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January 20, 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 Revisions to the Tree Tissue Report
Martin State Airport, 701 Wilson Point Road, Middle River, Maryland

Dear Mr. Carroll:

For your review, please find enclosed two hard copies with CDs of the above-referenced document. This document presents the revisions based on comments received from Maryland Aviation Administration on October 24, 2016.

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,

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

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Tree Tissue Report
Martin State Airport
701 Wilson Point Road
Middle River, Maryland

Prepared for:

Lockheed Martin Corporation

Prepared by:

Tetra Tech, Inc.

January 2017
Rev. 1



Michael Martin, P.G.
Regional Manager



Amy McGivney
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TABLE OF CONTENTS

Section		Page
ACRONYMS		**v**
1	**INTRODUCTION**	**1-1**
2	**SITE BACKGROUND**	**2-1**
2.1	SITE DESCRIPTION	2-1
2.1.1	Location	2-1
2.1.2	History	2-1
2.1.3	Current Conditions	2-3
2.1.4	Land Use	2-3
2.1.5	Climate	2-4
2.1.6	Topography	2-4
2.1.7	Surface Water Hydrology	2-5
2.1.8	Ecology	2-5
2.1.9	Geology and Hydrogeology	2-6
2.1.10	Subsurface Conditions	2-7
2.2	INVESTIGATION PURPOSE AND RATIONALE	2-8
3	**INVESTIGATION APPROACH AND METHODOLOGY**	**3-1**
3.1	FIELD METHODOLOGY	3-2
3.1.1	Mobilization/Demobilization	3-2
3.1.2	Site Access and Permits	3-2
3.1.3	Preliminary Tree Reconnaissance	3-3
3.1.4	Tree-Tissue Sampling	3-4
3.1.5	Tree-Sample Analyses	3-6
3.1.6	Sample Nomenclature	3-7
3.1.7	Documentation	3-7
3.1.8	Sample Handling	3-7
3.1.9	Equipment Decontamination	3-8
3.1.10	Waste Management	3-8

TABLE OF CONTENTS (continued)

Section **Page**

3.2 DATA MANAGEMENT 3-8
3.2.1 Data Tracking and Control 3-9
3.2.2 Sampling Information 3-9
3.2.3 Project Data Compilation 3-9
3.2.4 Environmental Geographical Information System 3-10
3.2.5 Data Validation 3-10
4 RESULTS 4-1
4.1 CHARACTERISTICS OF SAMPLED TREES 4-1
4.2 CHEMICAL RESULTS IN TREE TISSUE 4-2
5 SUMMARY 5-1
6 REFERENCES 6-1

APPENDICES

APPENDIX A—PHOTOGRAPHIC LOG

APPENDIX B—FIELD SAMPLING DOCUMENTATION

APPENDIX C—DATA VALIDATION REPORTS AND CHAINS OF CUSTODY

APPENDIX D—CHEMICAL DATA TABLES

LIST OF FIGURES

Page

Figure 1-1 Dump Road Area Site Location Map 1-3
Figure 2-1 Location of Dump Road Area 2-10
Figure 2-2 Extent of Impacted Soil and Waste 2-11
Figure 2-3 Extent of Contaminant Exceedances in Upper Zone of Surficial Aquifer 2-12
Figure 2-4 Estimated Extent of Contaminated Groundwater and Impacted Soil/Waste 2-13
Figure 2-5 Planned Tree Removal Areas 2-14
Figure 2-6 Planned Tree Removal in Area of Possibly Impacted Groundwater 2-15
Figure 3-1 Felled Trees (Tree Stump) Sampling Locations 3-14

TABLE OF CONTENTS (continued)

LIST OF FIGURES (continued)

Page

Figure 3-2 Outer Tree (Background) Sampling Locations 3-15

Figure 3-3 Live-Tree Sampling Locations, Dump Road Area 3-16

LIST OF TABLES

Page

Table 3-1 Sampling Summary and Rationale 3-12

Table 3-2 Tree-Core Sampling Details 3-13

Table 4-1 Frequency of Detected Analytes 4-4

Table 4-2 Summary of Positive Chemical Detections 4-5

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ACRONYMS

BWI	Baltimore/Washington Thurgood Marshall International Airport
cis-1,2-DCE	*cis*-1,2-dichloroethene
COC	chain of custody
DRA	Dump Road Area
EDD	electronic data deliverable
EESH	energy, environment, safety, and health
EGIS	environmental geographic information system
FAA	Federal Aviation Administration
GIS	geographic information system
GPR	ground-penetrating radar
GSP	Greater Strawberry Point
HASP	health and safety plan
IDW	investigation-derived waste
Lockheed Martin	Lockheed Martin Corporation
MAA	Maryland Aviation Administration
MDANG	Maryland Air National Guard
MDE	Maryland Department of the Environment
MRC	Middle River Complex
MSA	Martin State Airport
NAVD 1988	North American Vertical Datum 1988
NEPA	National Environmental Policy Act
PDF	portable document format
PM	project manager
QA/QC	quality assurance/quality control
RCRA	Resource Conservation and Recovery Act
RTO	Remediation Technical Operations
SP	Strawberry Point
TCE	trichloroethene
TCLP	toxicity characteristic leaching procedure
Tetra Tech	Tetra Tech, Inc.
USDOT	United States Department of Transportation
USEPA	United States Environmental Protection Agency

VC	vinyl chloride
VOCs	volatile organic compounds

Section 1
Introduction

On behalf of Lockheed Martin Corporation (Lockheed Martin), Tetra Tech, Inc. (Tetra Tech) has prepared the following report summarizing sampling results for tree tissue collected to assess for the possible presence of groundwater contaminants within the Dump Road Area (DRA) of Martin State Airport (MSA), in Middle River, Baltimore County, Maryland (Figure 1-1). This testing characterized trees that were removed for groundwater treatment plant construction, and trees that will be removed for future airport improvements by the property owner. This tree sampling and analysis sought to determine, for disposal characterization, the presence or absence of Dump Road Area groundwater contaminants in the tissue of trees. Trees take up groundwater through their roots and transport it throughout the trunk and leaves, which could leave organic and inorganic contaminants within tree tissue. The project objectives were achieved through the following activities:

- obtaining clearances, access arrangements, and associated permits from Lockheed Martin, Martin State Airport, Maryland Aviation Administration (MAA) and Maryland Air National Guard (MDANG), as applicable, to conduct field activities
- coordinating the proposed fieldwork with Maryland Aviation Administration and the treatment plant construction contractor
- performing an initial site inspection to identify general tree species and density within the sampled area
- collecting samples of tree trunks and roots for laboratory chemical analyses
- validating analytical data results
- evaluating environmental sampling data

This report is organized as follows:

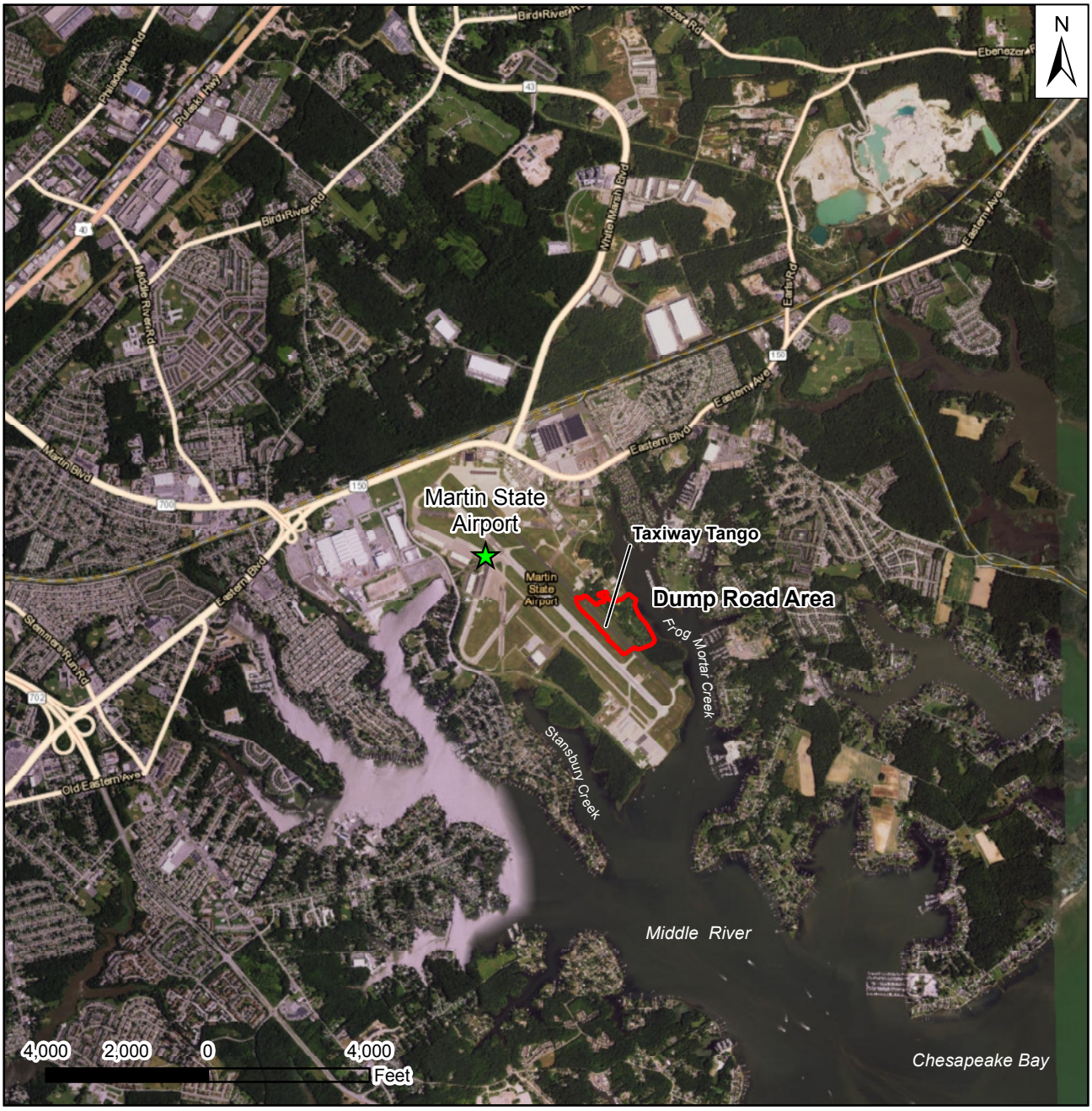
Section 2—Site Background: Briefly describes site history, current conditions, physical characteristics of the site, and subsurface conditions, and includes the investigation rationale and purpose.

Section 3—Investigation Approach and Methodology: Presents the field methodology used to sample tree tissue and describes the laboratory analytical methods.

Section 4—Results: Presents the field program results.

Section 5—Summary: Summarizes the investigation findings.

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



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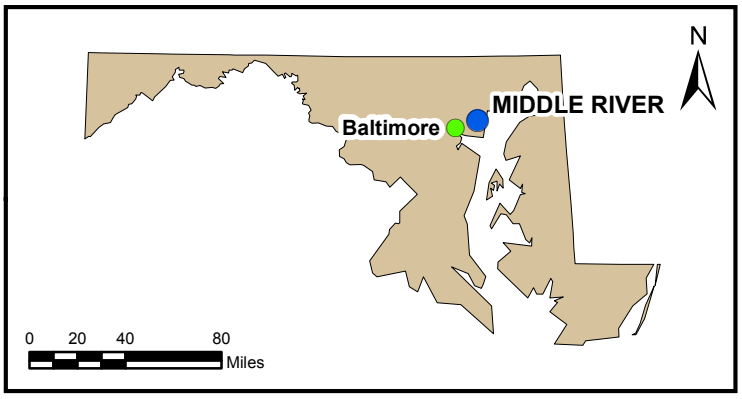


FIGURE 1-1

DUMP ROAD AREA
SITE LOCATION MAP

Lockheed Martin, Martin State Airport
Middle River, Maryland

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TETRA TECH

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Section 2
Site Background

2.1 SITE DESCRIPTION

This section presents the history of the Dump Road Area (DRA; the "site") and Martin State Airport (MSA), and describes environmental conditions at the DRA as characterized through several prior and ongoing investigations. A summary of the sampling rationale is also in this section.

2.1.1 Location

MSA is at 701 Wilson Point Road in Middle River, Maryland. It is bounded by Frog Mortar Creek to the east and Stansbury Creek to the west (Figure 2-1). Both creeks are tidal tributaries of the Chesapeake Bay, joining at the southern side of the airport. The DRA is in the southeastern portion of MSA and is bounded by Frog Mortar Creek to the east and the airport runway to the west. The site consists mostly of open meadows, mowed grass, heavily wooded areas, and portions of Taxiway Tango and the airport runway (Figure 2-1). This area has been investigated since the 1990s, and Lockheed Martin Corporation (Lockheed Martin) designated the site as the "DRA" to distinguish it from other MSA areas under investigation (e.g., Frog Mortar Creek, Strawberry Point [SP], Greater Strawberry Point [GSP]), and the Main Terminal area; see Figure 2-1).

2.1.2 History

The current MSA property was part of the Glenn L. Martin Company's original 1,260-acre property, which previously included what is now MSA and what was the manufacturing portion of the property, now known as Lockheed Martin's Middle River Complex (MRC). In the spring and summer of 1929, the Glenn L. Martin Company purchased six parcels of land from private landowners. During the 1940s and 1950s, nine additional parcels were acquired from private landowners. The entirety of the acquisitions comprise the current areas of MSA and the MRC, as well as properties adjacent to the MRC that have been sold off.

In 1932, the B-10 bomber was one of the first aircraft produced at what was then known as the Glenn L. Martin Company Baltimore facility. Three runways, Hangars 1–3, and the airport administration building were built in the MSA area in 1939 and 1940. Hangars 4–6 and the SP Hangar were completed in 1940 and 1941. After World War II, commercial transports and jet aircraft were produced in the manufacturing portion of the facility.

In July 1955, the Maryland Air National Guard (MDANG) began leasing property from the Glenn L. Martin Company. In 1957, the 104th Fighter Squadron at Harbor Field in Baltimore relocated to MSA. A second air group headquarters was added in 1962, when the 175th Tactical Fighter Group was established in October. The 104th Tactical Fighter Squadron, which had previously operated as an independent squadron, joined the 175th Tactical Fighter Group.

The Glenn L. Martin Company consolidated with American Marietta Corporation in September 1961 to form Martin Marietta Corporation. On September 20, 1975, the Maryland Aviation Administration (MAA) purchased 747 acres that are now used as the airfield; 175 acres in the northeastern portion of the property are now leased to MDANG (Figure 2-1). Lockheed Corporation and Martin Marietta merged in 1996 to form Lockheed Martin Corporation.

Environmental issues with the DRA site were originally discovered in July 1991, when the MAA encountered four drums adjacent to Taxiway Tango during trenching to install an electrical cable. This discovery prompted an investigation of the surrounding area for possible contaminant impacts to soil and groundwater, as required by the Maryland Department of the Environment (MDE, 1992 and 1997). Aerial photographs from 1952 and 1957 show an open “burial area” or “dump” in the low-lying areas between Taxiway Tango and Frog Mortar Creek to the east (Tetra Tech, 2013).

Taxiway Tango construction was completed in 1957 in support of MDANG missions. At that time, the dump area (i.e., the DRA) (based on historical aerial photographs) appears to have been covered with soil; its use was discontinued. In 2013, characterization of soil beneath Taxiway Tango confirmed that waste material had been removed, and that clean soil had been placed beneath the taxiway during construction in 1956–57 (Tetra Tech, 2014a).

Lockheed Martin is conducting environmental investigations and remediation at both the MRC and MSA. Ongoing investigations at the DRA identified soil fill and waste material over an approximately 25-acre area east of the airport runway, extending to the base of the embankment at

Frog Mortar Creek. Extensive soil, groundwater, and sediment sampling, and associated geophysical investigations, indicate dumping and backfilling in this area resulted in soil, groundwater, and pond-sediment contamination.

2.1.3 Current Conditions

MAA currently operates MSA on behalf of the Maryland Department of Transportation. The airport has one central runway, two full-length taxiways parallel to the runway, several smaller connecting taxiways, an administration building, six plane/helicopter hangars, and the Strawberry Point Hangar. MAA manages more than 130,000 square feet of heated hangar space and 190 T-hangars for smaller aircraft. The southwestern portion of the airport contains numerous above-ground fuel storage tanks for Jet-A and Avgas 100LL fuels. MSA is also home to more than 20 commercial tenants, and provides fuels and lubricants, helicopter avionics repair, and flight instruction, in addition to hosting the Baltimore County police aviation and marine units and the Glenn L. Martin Museum (MAA, 2012).

The DRA is bordered by a recreation/picnic area for the MDANG facility to the north, Frog Mortar Creek to the east, a wooded area to the southeast, and the main airport runway to the southwest and west. A combination of tree and scrub vegetation, and interior unpaved roads for accessing monitoring wells, comprises the DRA. Taxiway Tango and the surrounding landscaped, grassy areas are in the southwestern portion of the DRA.

2.1.4 Land Use

MSA is generally characterized as a moderately developed tract in a largely suburbanized, moderate density, populated setting. MDANG and multiple commercial/private clients use Taxiway Tango and the main runway nearly every day. The DRA is undeveloped and not currently used; however, construction of a groundwater treatment plant is underway at the DRA site to address groundwater contamination.

Land use surrounding MSA is a combination of mixed suburban, industrial, commercial, lightly to moderately developed tracts, and woodland tracts (Figure 2-1). The northern boundary of MSA is bordered by Eastern Avenue (Maryland Route 150) and the Amtrak Northeast Corridor railroad line. Undeveloped woodland tracts and low-density residential properties are north of MSA and the

Amtrak line. MSA's eastern, southern, and western boundaries are bordered by Frog Mortar Creek and Stansbury Creek, which are wide, brackish, tidal tributaries of the middle Chesapeake Bay.

The Lockheed Martin MRC lies along MSA's northwestern boundary (Figure 2-1). It is currently used to assemble military launch systems and aircraft parts. The old Navy Depot—Bengies (Plant 2) is across from MSA on Eastern Avenue. Low-to-medium-density residential and light-commercial land uses (e.g., shopping centers, convenience stores, restaurants, etc.) are beyond the creeks east, south, and west of MSA. Farther east and west from MSA are the high-density residential communities of Bengies Corner and Hawthorne Park. The town of Middle River is approximately 1.5 miles northwest of MSA.

2.1.5 Climate

The climate at MSA is characterized as humid temperate, with hot humid summers and relatively mild winters. The Middle River, Maryland area receives an average of 42 inches of precipitation annually, distributed evenly throughout the year. Rainfall normally occurs in the summer as showers and thunderstorms. In winter, precipitation is typically light to heavy rainfall or snow. Tropical storms in late summer and fall, and occluded, meso-scale frontal systems (i.e., coastal low-pressure systems) in winter and spring occasionally provide short-term above-average precipitation.

2.1.6 Topography

Land surface at the airport is generally flat to gently sloping (less than 5% slope) in the areas of the runway, taxiways, and surrounding support operations. The runway forms a trending topographic ridge, or drainage divide, that slopes gently from the northwestern end to the southeastern end. Runway elevations range from slightly more than 20 feet above the North American Vertical Datum of 1988 (NAVD 1988) at the northern end, to slightly more than 10 feet above NAVD 1988 at the southern end. The land slopes away from the runway toward Frog Mortar Creek to the northeast and toward Stansbury Creek to the southwest.

The DRA is northeast of the runway. Site topography ranges from flat to gently sloping (generally less than 10% slope) to the northeast toward Frog Mortar Creek. Land elevations in the northern portion of the site range from approximately 11 feet above NAVD 1988 near the runway to approximately seven feet above NAVD 1988 at Pond 2. However, land elevations near an

embankment next to Frog Mortar Creek, at a mounded area in the southeastern portion of the site, are approximately 20 feet above NAVD 1988.

A steeply sloped embankment lies along the shoreline of Frog Mortar Creek in the eastern portion of DRA; it is comprised of fill placed there as part of airport construction. The elevation at the top of the embankment ranges from approximately 10 feet above NAVD 1988 at the northern portion of the DRA to approximately 20 feet above NAVD 1988 in the southern portion. Land surface elevation at the Frog Mortar Creek shoreline is near zero feet, relative to NAVD 1988. A portion of the DRA shoreline, including two shoreline areas that protrude slightly outward into the creek, lies within the Frog Mortar Creek 100-year floodplain.

2.1.7 Surface Water Hydrology

The eastern, southern, and western boundaries of the site are bordered by Frog Mortar Creek and Stansbury Creek, which are wide, brackish, tidal tributaries of the middle Chesapeake Bay. Surface water runoff enters these creeks via localized gullies in the eastern and western undeveloped portions of the site, or via storm sewers that drain the airport runway, taxiways, and developed portions of the facility. Two small ponds within the DRA are apparently fed by surface water (by a small stream originating north of the DRA) and perhaps also by surficial groundwater. The ponds are a maximum of five feet deep and do not discharge to Frog Mortar Creek. A stormwater pond is near the Fire Pump House in the western portion of the airport, and discharges to the upper reaches of the Stansbury Creek tidal area.

Frog Mortar Creek is a freshwater tidal body, one of many upper inlets associated with Chesapeake Bay. Frog Mortar Creek is surrounded by urban and commercial land uses; several boat docks are across the creek, directly opposite from the DRA. No piers are in Frog Mortar Creek adjacent to airport property. The DRA contains three types of wetlands, as classified by the Maryland Department of Natural Resources. These wetland areas coincide with Frog Mortar Creek, Ponds 1 and 2 and their vegetative margins, and the Frog Mortar Creek shoreline.

2.1.8 Ecology

The DRA includes four distinct habitats: field habitat, forest stand, wetland-pond margin, and riparian forest. Field habitat consists of open areas with no canopy or woody plants. Open short-grass fields are between the runways and directly adjacent to the Taxiway Tango area. Forest stands,

consisting of areas with large canopy trees and a sparse layer of herbaceous understory, make up most of the habitat associated with the DRA, particularly in the area surrounding the two ponds. Ponds 1 and 2 and Frog Mortar Creek, adjacent to the eastern edge of the property, constitute the aquatic habitats at the DRA. The ponds and surrounding buffer zone are a wetland habitat consisting of the emergent plant phragmites, as well as sedges and willow trees.

The forest stand in the DRA is mixed deciduous; white oak (*Quercus alba*) and sweetgum (*Liguidambar styraciflua*) are the dominant canopy species. Other species observed include black cherry (*Prunus sylvatica*) and red maple (*Acer rubrum*). The understory of the forest stand consists of several smaller trees, such as flowering dogwood (*Cornus florida*), American holly (*Ilex opaca*), ironwood (*Carpinus caroliniana*), and various herbaceous species.

The riparian forest of the study area differs from the other forest habitats; it is mostly comprised of black cherry trees with some pines, dogwood, and staghorn sumac. Most of the trees in the study area are younger than those in an upland forest habitat, and have thicker understory vegetation. The upland forest habitat is in the southeastern part of the site between Taxiway D and Frog Mortar Creek.

Given the variety of forest, field, and aquatic habitats available, many bird species are likely to frequent the DRA site, including bald eagles, ospreys, geese, ducks (wading, diving, and wood), herons, finches, sparrows, robins, warblers, hawks, kingfishers, and woodpeckers. Given its proximity to Frog Mortar Creek, the relative lack of human activity, and the range of habitats available, mammals such as deer, fox, moles, shrews, rabbits, woodchucks, squirrels, and raccoons are also likely to be found on-site. Turtles are known to inhabit the ponds, and amphibians such as frogs are undoubtedly present as well. Reptiles such as snakes (e.g., black snakes) are also likely to be found on-site.

2.1.9 Geology and Hydrogeology

Regional and local studies (Vroblesky and Fleck, 1991; Chapelle, 1985) indicate that MSA lies on the Patapsco Formation. This formation consists of complex and interbedded mixtures of gray, brown, and red sands, silts, and clays originating from sediment deposition in a low coastal plain traversed by low-gradient meandering streams. The Patapsco aquifer in the Baltimore area has been divided into a sand facies and a clay facies. The sand facies consists predominantly of

medium- to fine-grained sand and has moderate permeability (approximately 0.1 foot per day). In the Baltimore area, the Patapsco aquifer coincides with the sand facies of the Patapsco Formation, and is mostly unconfined. In the Middle River area, the Patapsco Formation crops out within and west of the airport. The Patapsco aquifer is the uppermost drinking water aquifer beneath the DRA.

The Patapsco Formation is underlain by the Arundel Formation, a regionally extensive, thick, clay confining-unit. It is a massive and probably impermeable unit underlying the DRA and surrounding area. Below the Arundel Formation is the Patuxent Formation. Information regarding the geology of these deeper formations is not relevant to shallow groundwater conditions encountered by tree root zones at DRA, and is therefore omitted from this report. More information about these deeper formations can be found in multiple DRA reports (e.g., Tetra Tech, 2015b).

2.1.10 Subsurface Conditions

Subsurface investigation at the DRA has been underway since 1991. As part of the DRA investigation, numerous shallow and deep soil borings have been advanced to collect soil samples for subsurface lithologic information. Synoptic water-level measurements, single-well permeability tests, and pumping tests have characterized subsurface hydraulic conditions at the DRA. These investigations are detailed in the remedial investigation report for this site (Tetra Tech, 2012), and in several other investigation reports prepared subsequent to the remedial investigation report.

The fill/waste material consists of soil (some of which is stained by petroleum or paint residuals) and debris, the latter of which is comprised of concrete rubble and disposed industrial items (e.g., batteries, deteriorated drums, tires, paint cans, burned items, sludge, buckets, glass, wood, etc.). Yellowish-green zinc-chromate paint was found in test pits and soil borings throughout the Dump Road Area and in the Taxiway Tango Median Area. The depth of the waste material varies, but ranges from just below ground surface to more than 10 feet below ground surface.

The primary chemicals of concern detected in soil and waste samples collected at the site are metals, trichloroethene (TCE; an industrial degreaser previously used in machining operations) and its degradation products, fuel- and oil-related hydrocarbon chemicals, and polycyclic aromatic hydrocarbons. The metals detected most frequently in site soil and waste include antimony, arsenic, cadmium, copper, total and hexavalent chromium, lead, mercury, nickel, and zinc. Aroclor 1242,

a polychlorinated biphenyl, was also detected at isolated soil sample locations in soil/fill at the DRA. Figure 2-2 shows the estimated maximum extent of contaminated soil and waste at the DRA.

Elevated contaminant concentrations in soil and waste within DRA source-areas are contributing to groundwater contamination. The upper zone of the surficial aquifer (the zone in which trees take up groundwater via their roots) is of particular interest, because groundwater contaminants might be absorbed into tree tissue. Chlorinated volatile organic compounds (VOCs) (e.g., TCE and its degradation products, or "daughter" VOCs), petroleum hydrocarbons (i.e., benzene, toluene, ethylene, and xylene), and metals were detected in groundwater of the surficial aquifer at concentrations exceeding Maryland groundwater and drinking water standards. The primary constituents of concern in shallow groundwater are TCE and its degradation products (i.e., *cis*-1,2-dichloroethene [*cis*-1,2-DCE] and vinyl chloride [VC]).

Figure 2-3 shows the estimated extent of TCE, *cis*-1,2-DCE, and VC contamination in the upper zone of the surficial aquifer at the DRA. Figure 2-4 shows the combined estimated boundaries of soil and upper surficial-aquifer groundwater impacts at the DRA. A more detailed summary of the nature and extent of soil and groundwater contamination is in the *Final Remedial Investigation Report* (Tetra Tech, 2012), and in the *Final Dump Road Characterization of Possible Source Areas Report* (Tetra Tech, 2014b).

2.2 INVESTIGATION PURPOSE AND RATIONALE

The objective of the tree-sampling effort described in this report is to obtain data regarding the presence or absence of soil and groundwater contaminants in tree tissue in areas of planned tree removal at the DRA. MAA is planning to remove trees at MSA in compliance with Federal Aviation Administration (FAA) guidance, as part of future airport improvements. The MAA has expressed a concern that trees in the DRA may have been contaminated via uptake of organic and inorganic compounds in contaminated soil and groundwater, and would like to obtain data to ensure the proper disposal of possibly impacted trees.

Before preparing the work plan (Tetra Tech, 2015a) for this investigation, Lockheed Martin received a geographic information system (GIS) file from MAA delineating the proposed area of tree removal on the eastern side of the airport (see Figure 2-5). The existing-conditions drawings and final construction plans from the 100-percent design for the groundwater treatment plant at DRA

were also used to determine tree removal areas needed to allow construction of the groundwater treatment plant (Figure 2-6). Lockheed Martin has agreed to assess contaminant concentrations in tree tissue by sampling a representative set of trees within the DRA. MAA will also use these results in a forthcoming National Environmental Policy Act (NEPA) environmental assessment, to be prepared in connection with its future airport improvement work.

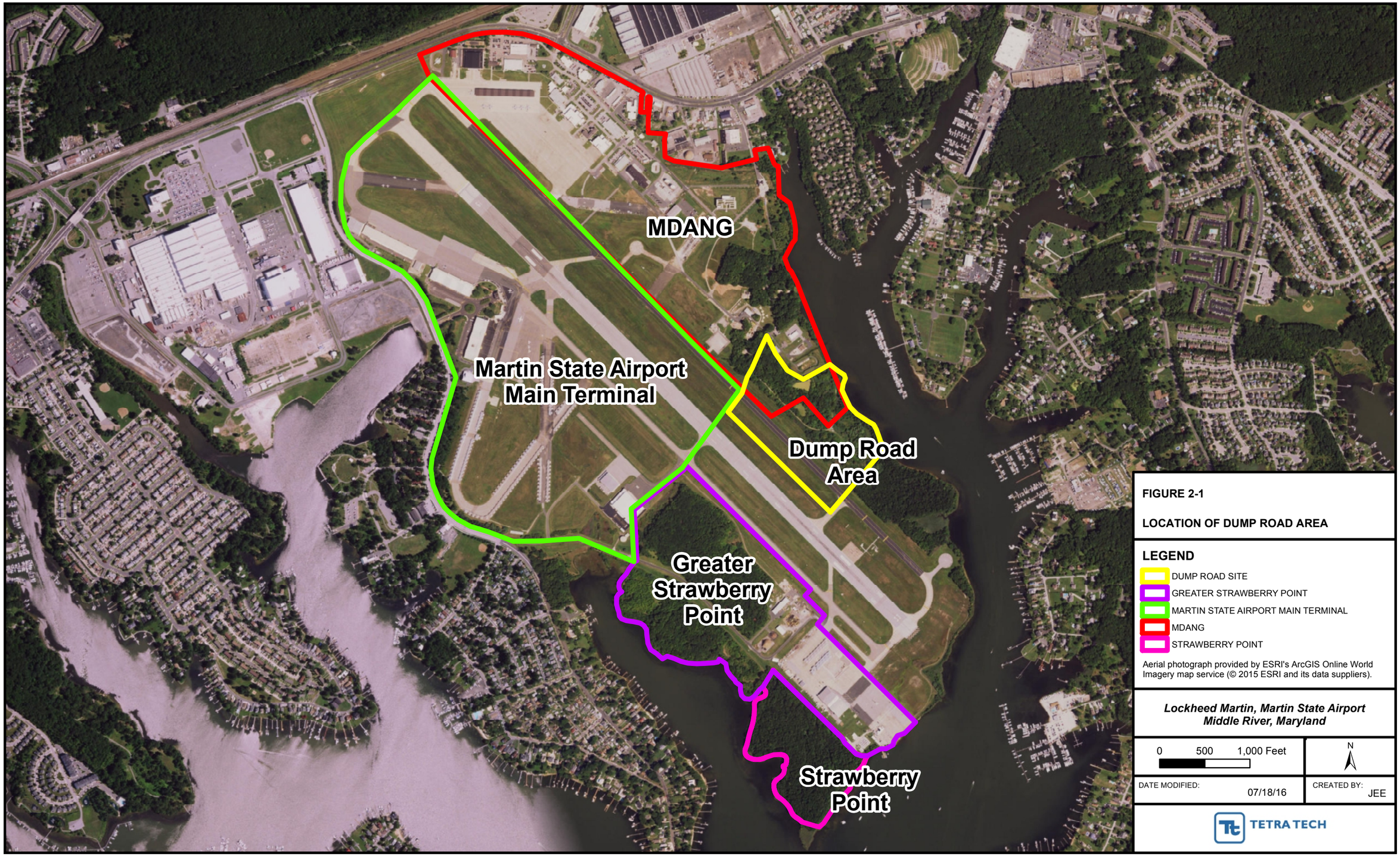


FIGURE 2-1

LOCATION OF DUMP ROAD AREA

LEGEND

- DUMP ROAD SITE
- GREATER STRAWBERRY POINT
- MARTIN STATE AIRPORT MAIN TERMINAL
- MDANG
- STRAWBERRY POINT

Aerial photograph provided by ESRI's ArcGIS Online World Imagery map service (© 2015 ESRI and its data suppliers).

Lockheed Martin, Martin State Airport
Middle River, Maryland

0 500 1,000 Feet

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DATE MODIFIED: 07/18/16

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FIGURE 2-2

EXTENT OF IMPACTED SOIL AND WASTE DUMP ROAD AREA

LEGEND

- EXTENT OF IMPACTED SOIL AND WASTE
- PLANNED PAVING
- MARYLAND AIR NATIONAL GUARD BOUNDARY

Aerial photograph obtained from Google Earth,
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Photograph taken in October, 2014.

Lockheed Martin, Martin State Airport
Middle River, Maryland

0 125 250 Feet

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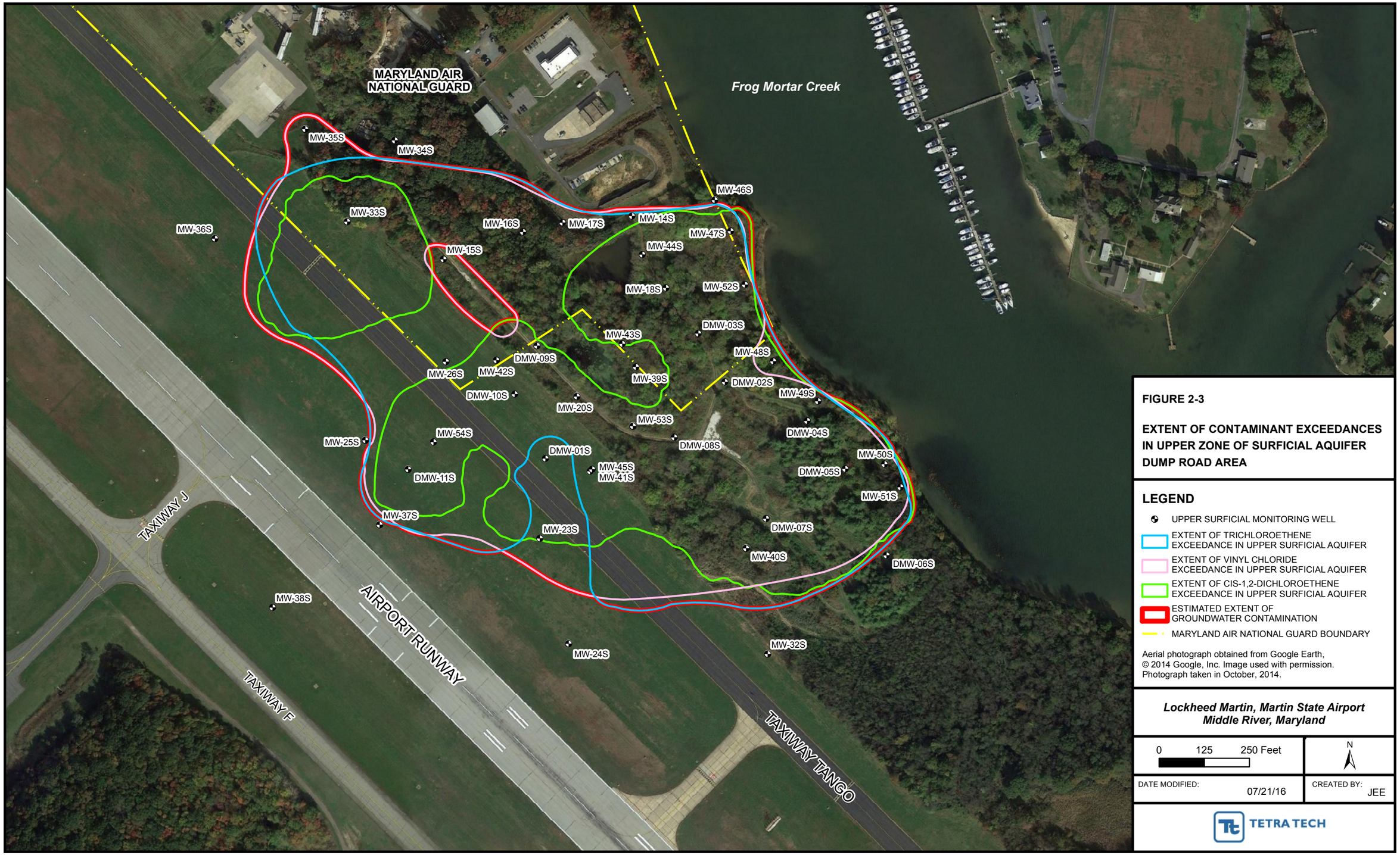


FIGURE 2-3

EXTENT OF CONTAMINANT EXCEEDANCES IN UPPER ZONE OF SURFICIAL AQUIFER DUMP ROAD AREA

LEGEND

- UPPER SURFICIAL MONITORING WELL
- EXTENT OF TRICHLOROETHENE EXCEEDANCE IN UPPER SURFICIAL AQUIFER
- EXTENT OF VINYL CHLORIDE EXCEEDANCE IN UPPER SURFICIAL AQUIFER
- EXTENT OF CIS-1,2-DICHLOROETHENE EXCEEDANCE IN UPPER SURFICIAL AQUIFER
- ESTIMATED EXTENT OF GROUNDWATER CONTAMINATION
- MARYLAND AIR NATIONAL GUARD BOUNDARY

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Photograph taken in October, 2014.

Lockheed Martin, Martin State Airport
Middle River, Maryland

0 125 250 Feet

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DATE MODIFIED: 07/21/16

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07/21/16 -- JEE



FIGURE 2-4

ESTIMATED EXTENT OF CONTAMINATED GROUNDWATER AND IMPACTED SOIL/WASTE DUMP ROAD AREA

LEGEND

- EXTENT OF IMPACTED SOIL AND WASTE
- ESTIMATED EXTENT OF GROUNDWATER CONTAMINATION
- PLANNED PAVING
- MARYLAND AIR NATIONAL GUARD BOUNDARY

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FIGURE 2-5

PLANNED TREE REMOVAL AREAS
DUMP ROAD AREA

LEGEND

- TREE REMOVAL AREAS PLANNED BY MARTIN STATE AIRPORT AS PART OF FUTURE IMPROVEMENTS
- ADDITIONAL AREAS OF PLANNED TREE REMOVAL DURING GROUNDWATER TREATMENT PLANT CONSTRUCTION
- AREA OF PLANNED TREE REMOVAL FOR TREATMENT BUILDING CONSTRUCTION WITHIN LIMITS OF PLANNED FUTURE AIRPORT TREE MITIGATION
- ESTIMATED EXTENT OF MIXED FOREST STANDS AND RIPRARIAN FOREST
- ESTIMATED EXTENT OF UPLAND FOREST
- PLANNED PAVING
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FIGURE 2-6

PLANNED TREE REMOVAL IN AREA OF POSSIBLY IMPACTED GROUNDWATER DUMP ROAD AREA

LEGEND

- EXTENT OF IMPACTED SOIL AND WASTE
- ESTIMATED EXTENT OF GROUNDWATER CONTAMINATION
- PLANNED TREE REMOVAL WITHIN EXTENT OF BOTH GROUNDWATER- AND SOIL-IMPACTED AREAS
- PLANNED TREE REMOVAL WITHIN EXTENT OF EITHER GROUNDWATER- OR SOIL-IMPACTED AREAS
- TREE REMOVAL AREAS PLANNED BY MARTIN STATE AIRPORT AS PART OF FUTURE IMPROVEMENTS
- ADDITIONAL AREAS OF PLANNED TREE REMOVAL DURING GROUNDWATER TREATMENT PLANT CONSTRUCTION
- AREA OF PLANNED TREE REMOVAL FOR TREATMENT BUILDING CONSTRUCTION WITHIN LIMITS OF PLANNED FUTURE AIRPORT TREE MITIGATION
- PLANNED PAVING
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Section 3
Investigation Approach and Methodology

The investigation objectives were to determine if subsurface contaminants in Dump Road Area (DRA) are present in the tissue of trees growing there, and to compare the analytical results of possibly impacted tree tissue to tree tissue samples collected outside the DRA area of concern. The data obtained will be used to support disposal requirements for trees felled or uprooted during construction of the groundwater treatment facility and during future airport improvements, in order to determine if the trees must be disposed of off-site as site-related waste. This study includes tree tissue sampling, laboratory analysis of tree tissue samples, evaluation of results, and reporting. Site activities conducted during this investigation include:

- obtained site access
- obtained utility clearance
- obtained Lockheed Martin Corporation (Lockheed Martin), Martin State Airport (MSA) and Maryland Department of the Environment (MDE) approval to conduct the work
- coordinated with Maryland Aviation Administration (MAA), MSA Operations and Maryland Air National Guard (MDANG) to schedule the work
- performed a one-day site reconnaissance to identify and mark locations of tree samples
- collected samples of tree tissue (core) from live trees and from the roots of felled trees (tree stumps)
- analyzed tree tissue samples in an off-site laboratory and validated those data
- managed investigation-derived wastes (IDW)

3.1 FIELD METHODOLOGY

3.1.1 Mobilization/Demobilization

Before mobilization, Tetra Tech, Inc. (Tetra Tech) coordinated access arrangements with the Maryland Aviation Administration (MAA) and AECOM (the contractor currently conducting the interim remedial action in the DRA). The Tetra Tech field operations leader coordinated mobilization, demobilization, and sampling from representative live trees and felled trees (tree stumps) at MSA. Mobilization included the following:

- coordinating with Lockheed Martin, MSA Operations, and MDANG personnel
- mobilizing equipment and materials to the site
- familiarizing field-activity participants with the following:
  - site-specific health and safety plan (HASP)
  - the work plan
  - emergency response protocol, including notifications and an evacuation plan

Demobilization included the following tasks:

- demobilizing equipment and materials from the site
- general site cleanup and trash removal
- removal and disposal of IDW (e.g., decontamination liquids from tree corer)

Before beginning field operations, the Tetra Tech field operations leader became familiar with the site-specific HASP and the "Safe Work" permits included in the HASP. The Tetra Tech field operations leader conducted a daily mandatory health and safety tailgate meeting before all field events. Safety requirements are addressed in detail in the site-specific Tetra Tech HASP, included as Appendix A of the work plan (Tetra Tech, 2015a).

3.1.2 Site Access and Permits

All required access was coordinated before beginning any fieldwork. No standard MAA permits (airport zoning permit, building inspection permit, and digging authorization) were necessary to conduct the field activities. Permits and utility clearance were not required, because the investigation entailed no intrusive field activities. Following the same procedures as earlier

projects at MSA, Tetra Tech worked closely with MSA, MAA, and their tenants to make all parties aware of the field schedule.

Tetra Tech coordinated the sampling with the remediation contractor (AECOM) currently constructing the groundwater treatment plant at DRA. Following preliminary discussions with AECOM during preparation of the work plan, AECOM reserved a requisite number of felled tree stumps for this work and facilitated Tetra Tech's access to the area for sampling. For safety purposes, Tetra Tech personnel wore high-visibility safety vests, hard hats, and safety glasses during field activities.

3.1.3 Preliminary Tree Reconnaissance

The Tetra Tech field operations leader and a Maryland-certified tree expert made a one-day field reconnaissance before field sampling began. The preliminary reconnaissance was to identify tree species on-site and determine the general tree density within the area of concern. During this reconnaissance, tree-sampling locations were marked, and appropriate background-sample collection areas were identified.

Trees originally specified for sampling in the work plan include white oak (*Quercus alba*), sweetgum (*Liguidambar styraciflua*), tulip poplar (*Liriodendron tulipifera*), black cherry (*Prunus sylvatica*), red maple (*Acer rubrum*), and pine. Four trees from each of these six species were to be pre-marked for sampling. One of four trees sampled (from each species) were to be outside the impacted soil and groundwater area (at "background" locations), but within the tree-cutting area identified for MSA renovation. The remaining three trees of each species were to be within the (contaminated) area of concern. Background tree-sampling areas include the wooded area south of the DRA and north of the Compass Rose area.

During site reconnaissance, the field team determined that a more extensive selection of tree species would be necessary to achieve spatial distribution and meet the project objectives. No tulip poplars *(Liriodendron tulipifera*) were found at the site during reconnaissance. Tree species found and added to the sampling program (in addition to the species specified originally) due to their prevalence include mulberry (*Morus rubra*), tree of heaven (*Ailanthus altissima*), sycamore (*Platanus occidentalis*), box elder (*Acer negundo*), and black locust (*Robinia pseudoacacia*).

In addition, two types of pine (white pine and Virginia pine) and three types of oak trees (white oak, willow oak, and southern red oak) were identified and sampled. Trees to be sampled were selected based on representation of the most common species, tree size (diameter), and to fulfill the proposed spatial distribution across defined study areas (e.g., DRA impacted area vs. background area). Trees to be sampled were marked on their trunks with survey ribbons; marking paint was not used to avoid introducing chemicals onto tree bark. Where possible, preference was given to selecting larger trees (e.g., diameters estimated to represent 15 years or more of growth) from each species. Stump samples were collected from trees that had already been harvested by the remediation contractor (AECOM) during groundwater treatment plant construction; pre-marking those samples was not needed.

3.1.4 Tree-Tissue Sampling

Tree-tissue was sampled at the locations selected during the initial site reconnaissance. Tree-tissue samples were collected from background-tree locations, live trees, and the roots of trees already felled during construction of the groundwater treatment facility (Figures 3-1, 3-2, and 3-3). Table 3-1 presents the summary and rationale for the tree-tissue sampling. Table 3-2 presents detailed information about the live and felled trees (tree stumps) that were sampled, including sample-identification designation; the sampled tree's common name, genus, and species; the diameter and circumference of the sampled tree at the coring height; and the sample analyses to be conducted.

3.1.4.1 Sampling Methodology

The same method was used to sample standing (live) trees and felled tree stumps. General information about each living tree (e.g., genus and species) was documented in the field logbook at the time of sampling. Each tree sampled was photographed; Appendix A-1 contains photographs of background trees, and Appendix A-2 contains photographs of sampled trees within the area of concern. The diameter and circumference of each tree sampled was measured at the coring height, and its species was classified to distinguish whether it is deciduous or coniferous (see Table 3-2).

Cores from living trees were collected from their trunks approximately 4–5 feet above the ground surface. Tree stumps were sampled by collecting a single core at the base of the trunk or root mass, targeting the area just above the former soil interface. Photographs of sampled tree stumps are in Appendix A-3.

Cores varied in length (excluding the bark), and were collected using a standard increment borer. Initially, a 0.169-inch borer with a hand-drill attachment was used to collect the samples. However, after multiple failed attempts to retrieve the required core mass, a larger-diameter corer (0.5-inch) with a manual T-bar was used to obtain the minimum required sample for analysis. Care was taken to avoid removing the outermost growth ring of xylem, as that ring is the dominant path for water transport through the trunk. Coring devices were non-dedicated and non-disposable, and required decontamination between sampling locations.

At least 15 grams were collected for each sample. A small scale was used in the field to ensure that the proper amount was collected. Tree cores were placed into laboratory-supplied bottles as soon as possible after the samples were weighed. The bottles were then placed on ice to cool samples to 4° Celsius (C), and were shipped for delivery to the lab within 24 hours of collection. Each tree core was processed by the laboratory via particle-size reduction (i.e., grinding), using care to minimize the loss of volatile organics (e.g., refrigeration of samples, expediting time between grinding and analysis).

3.1.4.2 Live Tree and Background Samples

Multiple tree species (Table 3-1) were sampled, including deciduous and coniferous, totaling 24 trees. Eighteen trees (DR-TL1 through DR-TL18) in the impacted soil and groundwater area (Figure 3-3) and six "background" trees (DR-TG1 through DR-TG6) from outside the area of contamination, but within the designated tree removal area (Figure 3-2), were sampled. Cores from each tree sampled were collected approximately 4–5 feet above the land surface on opposite sides of the trunk, so that 36 tissue samples were collected from the area of concern (two samples from each of 18 trees). Cores were collected from the north- and south-facing sides of the trees. Samples from background trees were collected in an identical manner (two samples on opposite sides of each tree trunk for each of the six trees), totaling 12 samples. Overall, 48 living-tree tissue-samples were collected.

3.1.4.3 Stump Samples

Twelve tree-stump samples were collected, including two tree stumps (DR-TS-11 and DR-TS12) from outside the area of contamination and 10 tree stumps (DR-TS-1 through DR-TS10) from within the area of contamination at DRA (Figure 3-1). Both deciduous and coniferous tree stumps were sampled. Each sampled tree stump was photographed, classified (to distinguish deciduous

and coniferous trees), and its maximum diameter recorded. A single core was taken at the base of the trunk or root mass, targeting the area just above the former soil interface.

Tree stumps were sampled instead of live trees at these locations, because trees in this planned sampling area were cleared during groundwater treatment plant construction in December 2015 and January 2016. The remediation contractor (AECOM) secured and set aside the root mass of each uprooted tree for sampling. These roots were left on the ground near their places of origin, but the exact location of these trees was not recorded. Therefore, the original locations of the tree stumps sampled shown on Figure 3-1 are approximate.

3.1.5 Tree-Sample Analyses

Tree cores were submitted for analysis on a standard laboratory turnaround for the following parameters:

- volatile organic compounds (VOCs) by SW846 Method 8260B
- total metals by SW846 Method 6010

Two trip blanks (one per cooler) were collected for quality assurance/quality control (QA/QC), and three duplicate live-tree samples were collected. Extra samples to be held in reserve for possible toxicity characteristic leaching procedure (TCLP) analysis were not collected from live trees, because multiple cores were needed to obtain 15 grams of tree tissue (the minimum needed for sample analysis). After preliminary results for total metals (Method 6010) were received, results would be screened for any results 20 times higher than the TCLP maximum concentration limit (i.e., the “20 times” rule), in accordance with the work plan.

The work plan states that up to six samples would be analyzed via TCLP Method 1311 (priority pollutant metals only) for waste characterization, should any total metals concentration exceed the 20-times rule. If no metals concentrations exceeded the 20-times rule, then the four samples with the highest total metals concentrations would be analyzed for priority pollutant metals via TCLP. After consultation with Remediation Technical Operations (RTO), the project team decided that the additional volume required for TCLP analysis (110 grams) would be collected at a later date, and only if needed, based on initial analytical results, to minimize harm to live trees sampled.

3.1.6 Sample Nomenclature

Each sample collected was identified with a unique sample-identification tag. The sample identification consists of the designation “DR-T” (for Dump Road tree) followed by a unique identifier for the type of tree (L for live; S for root/stump; G for background), followed by the sample number, an N or S (for the two opposite sides of live tree samples, in cardinal direction) and sampling date. For example, “DR-TL1N-050916” represents live-tree sample number one collected from the north side of the tree on May 9, 2016.

3.1.7 Documentation

A master site logbook was maintained for the site as an overall record of field activities. Tree sample identifications and locations were recorded in the field electronically using a global positioning system instrument. Tree sample locations and descriptions were also recorded in the field logbook and all tree samples were photographed. Sample documentation consists of sample log sheets (Appendix B) and completed chain-of-custody (COC) reports (Appendix C). The COC report is a standardized form that summarizes and documents pertinent sample information, such as sample identification and type, matrix, date and time of collection, preservation, and requested analyses. Sample-custody procedures document sample acquisition and integrity.

3.1.8 Sample Handling

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. COC protocols were followed throughout sample handling to establish the evidentiary integrity of sample containers. These protocols demonstrate that the samples were handled and transferred in a manner that would eliminate (or detect) possible tampering.

Sample containers were released under signature from the laboratory and were accepted under signature by the sampler responsible for maintaining custody until the sample containers were transferred to the sampler. Transport containers returning to the laboratory were sealed with strapping tape and a tamper-proof custody seal. The custody seal contains the signature of the individual releasing the transport container, along with the date and time.

3.1.9 Equipment Decontamination

Decontamination of the tree-coring device was done before use and in between samples. Decontamination consisted of the following steps:

- Alconox® and potable-water wash
- potable-water rinse
- air drying
- collection of decontamination solutions for disposal

Sampling equipment was decontaminated in a bucket, and all decontamination fluids were contained and subsequently placed in United States Department of Transportation (USDOT)-approved 55-gallon steel drums for characterization and disposal.

3.1.10 Waste Management

Waste management procedures established in Lockheed Martin guidance EROP-03 (Lockheed Martin, 2009) were followed in handling and managing waste generated during this investigation. Investigation-derived wastes consisting of decontamination water were collected in a new USDOT-approved 55-gallon steel drum. The drum was moved to a central staging area at MSA to undergo chemical and physical characterization to ensure proper disposal. A sample of the decontamination water was collected for waste profiling and disposal. Stumps previously removed from the DRA during construction and sampled as "root" samples were returned to the waste stockpile associated with groundwater treatment plant construction.

The decontamination-water sample was collected and submitted for VOCs, TCLP metals, polychlorinated biphenyls (PCBs), and ignitability analyses, in accordance with the receiving facility's (Clean Harbors, Chattanooga, Tennessee) requirements. Upon receipt of the IDW analytical data, the generated IDW was removed and properly disposed of as nonhazardous waste in accordance with federal, state, and local regulations. IDW consisting of personal protective equipment (sampling gloves) was placed in trash bags and disposed of in a facility trash receptacle.

3.2 DATA MANAGEMENT

The laboratory met all data handling procedures and requirements in the laboratory subcontract. All analytical and field data were maintained in the Tetra Tech project files. The project files

contain copies of the COC forms, sampling log forms, sampling location maps, and QA/QC documentation.

3.2.1 Data Tracking and Control

A systematic sample-tracking system was used throughout each sampling event, from sample collection to analysis. The field operations leader coordinated and initiated sample tracking before field mobilization. Sample labels were handwritten in the field or preprinted before entering the field. Labels were reviewed for their adherence to work plan requirements and for accuracy.

The project manager (PM) coordinated with the analytical laboratory to ensure that they were aware of the number and type of samples and analyses they would receive. When field sampling was underway, the field operations leader forwarded the COC forms to the PM or designee and to the laboratory for each day of sampling. The PM/designee confirmed that the COC forms provided the information required by the work plan.

This data management system ensures early detection of errors made in the field so that adjustments can be made while the field team is mobilized. After successful completion of all requested analyses, the laboratory submitted an electronic deliverable for every sample-delivery group. When all electronic deliverables had been received from the laboratory, the PM/designee ensured that the laboratory had performed all requested analyses.

3.2.2 Sampling Information

Data from field measurements were recorded using the appropriate sample log sheets (see Appendix B). Reduction of field data entailed summarizing and presenting these data in tabular form. Reducing laboratory data entailed manipulating raw data-instrument output into reportable results. Field data (e.g., tree diameter) were verified daily by the field operations leader. Laboratory data were verified by the group supervisor and then by the laboratory's quality control/documentation department.

3.2.3 Project Data Compilation

The analytical laboratory generated an Adobe *Acrobat*® portable document format (PDF) file of the analytical data packages, as well as electronic database deliverables. 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. Sample characterization data were incorporated into the environmental geographic information system (EGIS) database. All data, such as units of measure and chemical nomenclature, were manipulated to maintain consistency with the project database.

3.2.4 Environmental Geographical Information System

The data management system now in use consists of a relational database and an EGIS to manage environmental information pertaining to MSA. The relational database stores chemical, geological, hydrogeologic, and other environmental data collected during environmental investigations. The EGIS is built from the relational database and contains subsets of the larger data pool. Using EGIS, environmental data can be posted onto base maps to represent information graphically. Sample, chemical, and positional data is compiled and incorporated into the MSA EGIS. The EGIS system can generate various maps from the MSA data, including site- and sampling-location maps and contaminant-tag maps, as needed.

3.2.5 Data Validation

All analytical results provided by the laboratory as electronic data deliverables (EDDs) were validated by independent chemists in Tetra Tech's Pittsburgh, Pennsylvania quality control department for all QA/QC parameters, including accuracy, precision, completeness, and comparability, in accordance with United States Environmental Protection Agency (USEPA) Region 3 Level M2 (organics) and IM1 (metals [inorganics]) protocols. Oversight of the laboratory QA/QC was as proactive as possible, to ensure that the sampling event produces valid data. To that end, the methodology, method compliance, and any corrective actions were evaluated. Tetra Tech closely monitored the laboratory analysis via EDDs and data validation to ensure that the analyses and reporting were generated as per the procedures prescribed in the work plan. Samples were analyzed on a standard turnaround time of 21 calendar days. Data-validation reports, including complete COC documentation, are in Appendix C (on compact disc).

The following data qualifiers (i.e., flags) were applied to the chemical results presented in this report, and appear on the chemical-results tables in Section 4 and Appendices C and D:

U The analyte is considered not detected at the reported value.

J The analyte is considered present in the sample, but the value is estimated and may not be accurate or precise.

UJ The analyte was not detected. However, the quantitation or detection limit may be inaccurate or imprecise.

Collectively, these data are acceptable for their intended use.

Table 3-1
Sampling Summary and Rationale
Dump Road Area Tree-Tissue Sampling and Analysis
Lockheed Martin, Martin State Airport, Middle River, Maryland

Sample Type	Sampling locations	Analysis (method)	Rationale/purpose
Live tree samples: DR-TL1N/S through DR-TL18N/S	Sample 18 trees in the proposed tree-removal area, inside the DRA area of concern. Two samples collected from each tree (N and S).	VOCs (8260B) Total metals (6010)	Assess possible impact of subsurface contaminants to tissue of 18 trees growing within the area of soil and groundwater contamination at DRA.
Stump samples: DR-TS-1 through DR-TS-12[1]	12 root stumps (several different species); 10 from within the impacted area of the DRA, where trees had been cleared for groundwater treatment plant construction, and two planned from outside of the impacted area in the DRA. Exceptions are noted below.[1]	VOCs (8260B) Total metals (6010)	Assess possible impact of subsurface contaminants to roots of 10 trees growing within the area of soil and groundwater contamination, and possible impact of natural soil metals to two trees outside the impacted area.[1]
Background samples: DR-TG-1N/S through DR-TG-6N/S[2]	Six trees (different species) in a forest stand outside of soil- and groundwater-impacted areas in the DRA, but within the planned tree-removal area associated with future airport improvements. Two samples collected from each tree (N and S). Exceptions were encountered due to field conditions and are noted below.[2]	VOCs (8260B) Total metals (6010)	Provide background info for trees outside the DRA area of concern, for comparison to data from samples collected within DRA.

1. Stumps were harvested by an onsite contractor performing clearing and set aside prior to tree sample collection dates. Only the pre-selected stumps were available for sampling. The two stumps planned from outside the extent of DRA groundwater impacts (DR-TS11 and DR-TS12) originated from within the extent of groundwater impacts. Therefore, the two from outside of the DRA impacted area could not be collected.

2. Background sample DR-TG5 was inadvertently collected about 100 feet outside the planned background sampling area and within the impacted soil and waste area.

TG—background tree-tissue sample (collected outside DRA)
TL—live tree-tissue sample
TS—tree-tissue sample from stumps (felled trees)
VOCs—volatile organic compounds
N—north
S—south
DR—Dump Road
DRA—Dump Road Area

TABLE 3-2
TREE CORE SAMPLING DETAILS
DUMP ROAD AREA TREE TISSUE SAMPLING AND ANALYSIS
MARTIN STATE AIRPORT, MIDDLE RIVER, MARYLAND

Sample ID	Tree (common name)	Tree (genus/species)	Deciduous/ coniferous	Diameter[1,2] (inches)	Circumference[1,2] (inches)
Background live trees					
DR-TG1N/S	Sweet Gum	*Liguidambar styraciflua*	Deciduous	23	72
DR-TG2N/S	White Oak	*Quercus alba*	Deciduous	34	108
DR-TG3N/S	Virginia Pine	*Pinus virginiana*	Coniferous	20	64
DR-TG4N/S	Black Cherry	*Prunus sylvatica*	Deciduous	17	54
DR-TG5N/S	Red Maple	*Acer rubrum*	Deciduous	9	28
DR-TG6N/S	Willow Oak	*Quercus alba*	Deciduous	30	95
Live trees					
DR-TL1N/S	White Pine	*Pinus strobus*	Coniferous	12	39
DR-TL2N/S	White Pine	*Pinus strobus*	Coniferous	16	49
DR-TL3N/S	White Pine	*Pinus strobus*	Coniferous	14	45
DR-TL4N/S	Mulberry	*Morus rubra*	Deciduous	14	43
DR-TL5N/S	Mulberry	*Morus rubra*	Deciduous	10	30
DR-TL6N/S	Mulberry	*Morus rubra*	Deciduous	14	45
DR-TL7N/S	Tree of Heaven	*Ailanthus altissima*	Deciduous	14	43
DR-TL8N/S	Tree of Heaven	*Ailanthus altissima*	Deciduous	9	28
DR-TL9N/S	Sycamore	*Platanus occidentalis*	Deciduous	19	60
DR-TL10N/S	Sweet Gum	*Liguidambar styraciflua*	Deciduous	8	26
DR-TL11N/S	Sweet Gum	*Liguidambar styraciflua*	Deciduous	11	36
DR-TL12N/S	Black Cherry	*Prunus sylvatica*	Deciduous	15	48
DR-TL13N/S	Red Maple	*Acer rubrum*	Deciduous	17	52
DR-TL14N/S	Red Maple	*Acer rubrum*	Deciduous	9	28
DR-TL15N/S	Southern Red Oak	*Quercus falcata*	Deciduous	27	84
DR-TL16N/S	Willow Oak	*Quercus phellos*	Deciduous	22	69
DR-TL17N/S	Box Elder	*Acer negundo*	Deciduous	12	39
DR-TL18N/S	Black Locust	*Robinia pseudoacacia*	Deciduous	16	49
Felled trees (tree stumps)					
DR-TS1	White Pine	*Pinus strobus*	Coniferous	5	15
DR-TS2	Black Locust	*Robinia pseudoacacia*	Deciduous	4	13
DR-TS3	Mulberry	*Morus rubra*	Deciduous	4	11
DR-TS4	Mulberry	*Morus rubra*	Deciduous	6	18
DR-TS5	Tree of Heaven	*Ailanthus altissima*	Deciduous	4	12
DR-TS6	Mulberry	*Morus rubra*	Deciduous	5	15
DR-TS7	Mulberry	*Morus rubra*	Deciduous	6	18
DR-TS8	White Pine	*Pinus strobus*	Coniferous	10	30
DR-TS9	White Pine	*Pinus strobus*	Coniferous	4	14
DR-TS10	Tree of Heaven	*Ailanthus altissima*	Deciduous	7	23
DR-TS11	Red Maple	*Acer rubrum*	Deciduous	4	12
DR-TS12	White Oak	*Quercus alba*	Deciduous	6	19

Notes:

1. Circumference and diameter of live trees was measured at height of sample (approximately four feet above ground surface).
2. Circumference and diameter of felled trees measured at base of trunk just above root mass.



FIGURE 3-1

FELLED TREES (TREE STUMP) SAMPLING LOCATIONS
DUMP ROAD AREA

LEGEND

- STUMP SAMPLE LOCATION
- EXTENT OF IMPACTED SOIL AND WASTE
- ESTIMATED EXTENT OF GROUNDWATER IMPACTS
- TREE REMOVAL AREAS PLANNED BY MARTIN STATE AIRPORT AS PART OF FUTURE IMPROVEMENTS
- AREAS OF PLANNED TREE REMOVAL DURING GROUNDWATER TREATMENT PLANT CONSTRUCTION
- AREA OF PLANNED TREE REMOVAL FOR TREATMENT BUILDING CONSTRUCTION WITHIN LIMITS OF PLANNED FUTURE AIRPORT TREE MITIGATION
- PLANNED PAVING
- MARYLAND AIR NATIONAL GUARD BOUNDARY

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FIGURE 3-2

OUTER TREE (BACKGROUND) SAMPLING LOCATIONS
DUMP ROAD AREA

LEGEND

- LIVE (BACKGROUND) TREE SAMPLE
- EXTENT OF IMPACTED SOIL AND WASTE
- ESTIMATED EXTENT OF GROUNDWATER CONTAMINATION
- PLANNED TREE REMOVAL AREAS WITHIN IMPACTED SOIL AND/OR CONTAMINATED GROUNDWATER EXTENTS
- TREE REMOVAL AREAS PLANNED BY MARTIN STATE AIRPORT AS PART OF FUTURE AIRPORT IMPROVEMENTS
- AREAS OF PLANNED TREE REMOVAL DURING GROUNDWATER TREATMENT PLANT CONSTRUCTION
- AREA OF PLANNED TREE REMOVAL FOR TREATMENT BUILDING CONSTRUCTION WITHIN LIMITS OF PLANNED FUTURE AIRPORT TREE MITIGATION
- PLANNED PAVING
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FIGURE 3-3

LIVE TREE SAMPLING LOCATIONS
DUMP ROAD AREA

LEGEND

- LIVE TREE SAMPLE LOCATION
- EXTENT OF IMPACTED SOIL AND WASTE
- ESTIMATED EXTENT OF GROUNDWATER IMPACTS
- TREE REMOVAL AREAS PLANNED BY MARTIN STATE AIRPORT AS PART OF FUTURE IMPROVEMENTS
- AREAS OF PLANNED TREE REMOVAL DURING GROUNDWATER TREATMENT PLANT CONSTRUCTION
- AREA OF PLANNED TREE REMOVAL FOR TREATMENT BUILDING CONSTRUCTION WITHIN LIMITS OF PLANNED FUTURE AIRPORT TREE MITIGATION
- PLANNED PAVING
- MARYLAND AIR NATIONAL GUARD BOUNDARY

Aerial photograph obtained from Google Earth,
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Photograph taken in October, 2014.

Lockheed Martin, Martin State Airport
Middle River, Maryland

0 90 180 Feet

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DATE MODIFIED: 07/18/16

CREATED BY: JEE

TETRA TECH

Map Document: (P:\GIS\Lockheed_MSA\MapDocs\MXD\dra_live_tree_samplocs_jul2016.mxd)
07/18/16 -- JEE

Section 4
Results

Tree-tissue sampling results will guide the development of requirements necessary to properly dispose of and handle trees removed during construction of the groundwater treatment facility and during future airport improvements. Section 4.1 describes the species and properties of trees sampled at the Dump Road Area (DRA), and Section 4.2 summarizes the analytical results for tree-tissue samples. A statistical summary of tree-tissue sampling results, including the frequency of detected chemicals, is in Table 4-1. Table 4-2 lists detected chemical concentrations (including data-validation qualifiers) for all tree-tissue samples collected at the DRA.

4.1 CHARACTERISTICS OF SAMPLED TREES

Tree samples were collected between April 28, 2016 and May 10, 2016. Tree species identified and included in the sampling program are:

- white oak (*Quercus alba*)
- sweetgum (*Liguidambar styraciflua*)
- black cherry (*Prunus sylvatica*)
- white pine (*Pinus strobus*)
- mulberry (*Morus*)
- tree of heaven (*Ailanthus altissima*)
- red maple (*Acer rubrum*)
- sycamore (*Platanus occidentalis*)
- box elder (*Acer negundo*)
- black locust (*Robinia pseudoacacia*)
- Virginia pine (*Pinus virginiana*)
- southern red oak (*Quercus coccinea*)
- willow oak (*Quercus phellos*)

Tulip poplar (*Liriodendron tulipifera*), a species proposed in the work plan as representative and local, was not observed and therefore not sampled. Diameters of sampled deciduous trees (live and background) range from eight to 36 inches. Diameters of sampled coniferous trees (live and background) range from 12–20 inches. The diameters of felled trees (stumps) sampled range from four to 10 inches for coniferous trees, and from four to seven inches for deciduous trees.

4.2 CHEMICAL RESULTS IN TREE TISSUE

Tree-tissue samples were analyzed for volatile organic compounds (VOCs) by SW846 Method 8260B and for total metals by SW846 Method 6010. Six VOCs and 11 metals were detected in tree-tissue samples. Given that the total metals results reported using Method 6010 were not elevated, samples were not submitted for priority pollutant metals analysis via toxicity characteristic leaching procedure (TCLP) Method 1311, as described in Section 3.1.5. Table 4-2 compares chemical concentrations detected in tree tissue to the federal Resource Conservation and Recovery Act (RCRA) TCLP criteria for leached contaminants, multiplied by a factor of 20 to adjust for the 20:1 liquid-to-solid ratio typically used for a TCLP test of a solid sample, per USEPA guidelines (USEPA, 2016, and EHSO, 2016).

Volatile organic compounds—As shown in Table 4-2, most of the detected VOC concentrations are low (i.e., close to detection limits) or estimated (e.g., "*J*" laboratory data qualifier). The VOCs reported most frequently in all tree samples (live, stump, and background) include acetone and 4-isopropyltoluene (Table 4-1). Acetone was detected in eight of 12 background samples, 14 of 36 live tree samples, and five of 12 stump samples, whereas 4-isopropyltoluene was detected in two of 12 background samples, 10 of 36 live-tree samples, and six of 12 stump samples. Naphthalene (DR-TS1 and DR-TS3), styrene (DR-TS7 and DR-TS11), and 2-butanone (DR-TS10) were also detected in stump samples, but were not detected in any live or background samples. Toluene and 2-butanone were each detected in one tree sample (DR-TL6S, and DR-TS10, respectively) at low, estimated concentrations. The VOCs detected in DRA tree tissue samples are not on the RCRA TCLP list.

Metals—The metals detected most frequently in tree tissue samples (i.e., in 75–100% of samples) include cadmium, chromium, copper, nickel, and zinc (Table 4-1). Of these five metals, only cadmium and chromium have RCRA TCLP levels. All cadmium and chromium concentrations are below their adjusted TCLP criteria (Table 4-2).

Other RCRA TCLP metals detected in tree tissue samples include arsenic, lead, selenium, and silver. Arsenic, selenium, and silver were detected infrequently (e.g., silver was detected in only one background sample). Lead was detected in 23 of 60 live- and stump-samples (Table 4-1). All detected arsenic, lead, selenium, and silver concentrations are below their adjusted TCLP criteria (Table 4-2).

As stated earlier, three non-TCLP metals (copper, nickel, and zinc) were detected in nearly all tree samples, including background-tree, live-tree, and stump samples. Since these metals are ubiquitous in soil, their presence in tree tissue is not unusual. Beryllium and thallium (both non-RCRA TCLP metals) were detected infrequently, in only one and four samples, respectively, and at low, estimated concentrations. Comparing metals concentrations in background samples to live-tree or stump samples collected from within the DRA area of contamination reveals no apparent trends.

TABLE 4-1
FREQUENCY OF DETECTED ANALYTES
DUMP ROAD AREA TREE TISSUE SAMPLING AND ANALYSIS
MARTIN STATE AIRPORT, MIDDLE RIVER, MARYLAND

Parameter	2016 Dump Road Tree Tissue Samples									
	Frequency of detection		Minimum detected concentration	Maximum detected concentration	Location of maximum concentration	Sample with maximum concentration	Average of detected results	Average of all results	Standard deviation	Sampling date
	Number	Percent								
Volatile organic compounds (mg/kg)										
2-BUTANONE	1/60	2	0.65 J	0.65 J	DR-TS10	DR-TS10-042816	0.65	0.497	0.685	4/28/2016
4-ISOPROPYLTOLUENE	17/60	28	0.14 J	11 J	DR-TL1N	DR-TL1N-050916	3.601	1.091	2.407	5/9/2016
ACETONE	25/60	42	1.5 J	14 J	DR-TL1S	DR-TL1S-050916	2.941	2.208	2.678	5/9/2016
NAPHTHALENE	2/60	3	0.21 J	0.72 J	DR-TS1	DR-TS1-042816	0.465	0.184	0.254	4/28/2016
STYRENE	2/60	3	0.2 J	2.6	DR-TS11	DR-TS11-042816	1.40	0.226	0.401	4/28/2016
TOLUENE	1/60	2	0.89 J	0.89 J	DR-TL6S	DR-TL6S-050916	0.89	0.218	0.201	5/9/2016
Metals (mg/kg)										
ARSENIC	9/60	15	0.5 J	0.74 J	DR-TS3	DR-TS3-042816	0.589	0.356	0.114	4/28/2016
BERYLLIUM	1/60	2	0.045 J	0.045 J	DR-TL15S	DR-TL15S-051016	0.045	0.02	0.005	5/10/2016
CADMIUM	46/60	77	0.024 J	3.3	DR-TG3N	DR-TG3N-050516	0.403	0.313	0.606	5/5/2016
CHROMIUM	52/60	87	0.18 J	5.6	DR-TL8N	DR-TL8N-050516	0.858	0.771	0.922	5/5/2016
COPPER	60/60	100	0.85 J	7	DR-TL18N	DR-TL18N-050916-D	2.527	2.527	1.074	5/9/2016
LEAD	23/60	38	0.038 J	4	DR-TS2	DR-TS2-042816	0.70	0.399	0.68	4/28/2016
NICKEL	50/60	83	0.23 J	5.7 J	DR-TL18N	DR-TL18N-050916-D	1.19	1.086	1.075	5/9/2016
SELENIUM	21/60	35	0.42 J	1.3 J	DR-TL1S	DR-TL1S-050916-D	0.628	0.398	0.208	5/9/2016
SILVER	1/60	2	0.13 J	0.13 J	DR-TG3N	DR-TG3N-050516	0.13	0.049	0.014	5/5/2016
THALLIUM	4/60	7	1.4 J	1.7 J	DR-TG6S	DR-TG6S-050916	1.50	0.192	0.355	5/9/2016
ZINC	60/60	100	1.3 J	87	DR-TL2N	DR-TL2N-050916	17.887	17.887	21.735	5/9/2016

J - estimated concentration
mg/kg - milligram per kilogram
TG - Background live tree
TL = Live tree
TS = Tree stump

TABLE 4-2
SUMMARY OF POSITIVE CHEMICAL DETECTIONS, DUMP ROAD AREA
TREE TISSUE SAMPLING AND ANALYSIS, APRIL-MAY 2016
LOCKHEED MARTIN, MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

LOCATION SAMPLE ID SAMPLE DATE	RCRA 20-Times Characteristic Toxicity Criteria[1]	DR-TG1N DR-TG1N-050516 20160505	DR-TG1S DR-TG1S-050516 20160505	DR-TG2N DR-TG2N-050516 20160505	DR-TG2S DR-TG2S-050516 20160505	DR-TG3N DR-TG3N-050516 20160505	DR-TG3S DR-TG3S-050516 20160505	DR-TG4N DR-TG4N-050916 20160509
VOLATILES (mg/kg)								
2-BUTANONE	NC	0.51 U	0.57 U	0.53 U	0.52 U	0.97 U	0.57 U	0.67 U
4-ISOPROPYLTOLUENE	NC	0.17 U	0.19 U	0.18 U	0.18 U	5.5	2.6	0.23 U
ACETONE	NC	1.6 UJ	1.8 J	1.7 UJ	1.6 UJ	3.5 J	2.7 J	2.2 J
NAPHTHALENE	NC	0.18 U	0.2 U	0.19 U	0.19 U	0.35 U	0.2 U	0.24 U
STYRENE	NC	0.19 U	0.21 U	0.2 U	0.19 U	0.36 U	0.21 U	0.25 U
TOLUENE	NC	0.1 U	0.11 U	0.1 U	0.093 U	0.19 U	0.13 U	0.092 U
METALS (mg/kg)								
ARSENIC	100	0.61 U	0.51 U	0.63 U	0.56 U	0.65 U	0.48 U	0.71 U
BERYLLIUM	NC	0.038 U	0.032 U	0.04 U	0.036 U	0.041 U	0.031 U	0.045 U
CADMIUM	20	0.031 U	0.048 J	0.12 J	0.19 J	3.3	3	0.036 U
CHROMIUM	100	1.8	2.2	0.99 J	0.58 J	0.48 J	0.5 J	0.26 J
COPPER	NC	1.9 J	3.5	1.8 J	2 J	1.6 J	1.6 J	1.9 J
LEAD	100	1.1 U	2.2	0.45 U	0.46 U	0.49 U	0.2 U	0.22 U
NICKEL	NC	1.4 J	1.3 J	0.99 J	0.89 J	0.32 J	0.36 J	0.39 J
SELENIUM	20	0.7 J	0.68 J	0.52 U	0.47 U	0.54 J	0.51 J	0.59 U
SILVER	100	0.093 U	0.079 U	0.097 U	0.087 U	0.13 J	0.074 U	0.11 U
THALLIUM	NC	0.19 U	0.16 U	0.2 U	0.18 U	0.21 U	0.15 U	0.22 U
ZINC	NC	7 J	17	4.5 J	6.9	26	18	3.6 J

1. TCLP maximum concentration for toxicity characteristic (mg/L) multiplied by 20. Per USEPA SW-846 Method 1311 Frequenty Asked Questions, a total constituent concentration in a solid (mg/kg) may be divided by 20 to estimate the approximate minimum solid concentrations that could produce a result that could exceed the TCLP criteria for soil, which are expressed in terms of leachate concentrations.

J - result is an estimated value; concentration was less than the reporting limit and greater than or equal to the method detection limit.

mg/kg - milligrams per kilogram
mg/L - miiligrams per liter
NA - not analyzed

NC - no criteria available
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TCLP-toxicity characteristics leaching procedure

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TREE TISSUE SAMPLING AND ANALYSIS, APRIL-MAY 2016
LOCKHEED MARTIN, MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

LOCATION SAMPLE ID SAMPLE DATE	RCRA 20-Times Characteristic Toxicity Criteria[1]	DR-TG4S DR-TG4S-050916 20160509	DR-TG5N DR-TG5N-050916 20160509	DR-TG5S DR-TG5S-050916 20160509	DR-TG6N DR-TG6N-050916 20160509	DR-TG6S DR-TG6S-050916 20160509	DR-TL10N DR-TL10N-050916 20160509	DR-TL10S DR-TL10S-050916 20160509
VOLATILES (mg/kg)								
2-BUTANONE	NC	0.61 U	0.52 U	0.56 U	0.48 U	0.6 U	0.58 U	0.72 U
4-ISOPROPYLTOLUENE	NC	0.21 U	0.18 U	0.19 U	0.17 U	0.21 U	0.2 U	0.25 U
ACETONE	NC	2.1 J	1.7 J	1.8 J	1.5 J	1.9 UJ	1.9 J	2.2 J
NAPHTHALENE	NC	0.22 U	0.19 U	0.2 U	0.17 U	0.22 U	0.21 U	0.26 U
STYRENE	NC	0.23 U	0.19 U	0.21 U	0.18 U	0.22 U	0.22 U	0.27 U
TOLUENE	NC	0.084 U	0.072 U	0.076 U	0.066 U	0.083 U	0.08 U	0.098 U
METALS (mg/kg)								
ARSENIC	100	0.69 U	0.6 U	0.63 U	0.48 U	0.54 U	0.73 U	0.7 J
BERYLLIUM	NC	0.044 U	0.038 U	0.04 U	0.031 U	0.034 U	0.047 U	0.044 U
CADMIUM	20	0.035 U	0.24 J	0.22 J	0.36 J	0.48 J	1	0.72 J
CHROMIUM	100	0.35 J	0.55 J	0.32 J	0.34 J	0.26 J	0.52 J	1.6 J
COPPER	NC	1.5 J	3.6 J	3.7 J	1.4 J	1.7 J	3.8 J	2.9 J
LEAD	100	1.3 U	0.23 U	0.41 U	0.15 U	0.21 U	0.6 U	0.69 U
NICKEL	NC	0.32 J	1.9 J	1.4 J	0.86 J	1 J	4.2 J	3.5 J
SELENIUM	20	0.57 U	0.5 U	0.52 U	0.4 U	0.45 U	0.61 U	0.58 U
SILVER	100	0.11 U	0.093 U	0.097 U	0.074 U	0.083 U	0.11 U	0.11 U
THALLIUM	NC	0.22 U	1.4 J	1.4 J	1.5 J	1.7 J	0.23 U	0.22 U
ZINC	NC	2.4 J	45	55	2.3 J	2.5 J	79	55

1. TCLP maximum concentration for toxicity characteristic (mg/L) multiplied by 20. Per USEPA SW-846 Method 1311 Frequenty Asked Questions, a total constituent concentration in a solid (mg/kg) may be divided by 20 to estimate the approximate minimum solid concentrations that could produce a result that could exceed the TCLP criteria for soil, which are expressed in terms of leachate concentrations.

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TREE TISSUE SAMPLING AND ANALYSIS, APRIL-MAY 2016
LOCKHEED MARTIN, MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

LOCATION SAMPLE ID SAMPLE DATE	RCRA 20-Times Characteristic Toxicity Criteria[1]	DR-TL11N DR-TL11N-051016 20160510	DR-TL11S DR-TL11S-051016 20160510	DR-TL12N DR-TL12N-050916 20160509	DR-TL12S DR-TL12S-050916 20160509	DR-TL13N DR-TL13N-051016 20160510	DR-TL13S DR-TL13S-051016 20160510	DR-TL14N DR-TL14N-051016 20160510
VOLATILES (mg/kg)								
2-BUTANONE	NC	0.65 UJ	0.48 UJ	0.53 U	0.55 U	0.59 UJ	0.58 UJ	0.61 UJ
4-ISOPROPYLTOLUENE	NC	0.33 J	0.16 U	0.18 U	0.19 U	0.2 U	0.2 U	0.21 U
ACETONE	NC	3.3 J	2.7 J	1.6 J	1.7 UJ	1.8 UJ	1.8 UJ	1.9 UJ
NAPHTHALENE	NC	0.23 U	0.17 U	0.19 U	0.19 U	0.21 U	0.21 U	0.22 U
STYRENE	NC	0.24 U	0.18 U	0.19 U	0.2 U	0.22 U	0.22 U	0.23 U
TOLUENE	NC	0.7 U	0.48 U	0.072 U	0.075 U	0.62 U	0.41 U	0.63 U
METALS (mg/kg)								
ARSENIC	100	0.56 U	0.58 U	0.76 U	0.68 U	0.56 U	0.64 U	0.64 U
BERYLLIUM	NC	0.036 U	0.037 U	0.048 U	0.043 U	0.036 U	0.04 U	0.041 U
CADMIUM	20	0.17 J	0.061 J	0.039 U	0.035 U	0.25 J	0.22 J	1.4
CHROMIUM	100	0.19 J	0.26 J	0.55 U	0.44 U	0.28 J	0.26 J	0.31 J
COPPER	NC	3.7	2.6 J	3.1 J	3.4 J	2.2 J	2.6 J	2.3 J
LEAD	100	0.26 J	0.28 J	2	0.78 J	0.15 J	0.038 J	0.098 J
NICKEL	NC	0.36 J	0.52 J	0.51 J	0.35 J	0.75 J	0.87 J	1.5 J
SELENIUM	20	0.82 J	0.64 J	0.63 U	0.57 U	0.48 J	0.78 J	0.77 J
SILVER	100	0.087 U	0.089 U	0.12 U	0.1 U	0.086 U	0.098 U	0.099 U
THALLIUM	NC	0.18 U	0.18 U	0.24 U	0.22 U	0.18 U	0.2 U	0.2 U
ZINC	NC	9.2	8	6.8 J	5.7 J	31	34	40

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LOCKHEED MARTIN, MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

LOCATION SAMPLE ID SAMPLE DATE	RCRA 20-Times Characteristic Toxicity Criteria[1]	DR-TL14S DR-TL14S-051016 20160510	DR-TL15N DR-TL15N-051016 20160510	DR-TL15S DR-TL15S-051016 20160510	DR-TL16N DR-TL16N-051016 20160510	DR-TL16S DR-TL16S-051016 20160510	DR-TL17N DR-TL17N-050516 20160505	DR-TL17S DR-TL17S-050516 20160505
VOLATILES (mg/kg)								
2-BUTANONE	NC	0.48 UJ	0.64 UJ	0.47 UJ	0.59 UJ	0.37 UJ	0.61 U	0.45 U
4-ISOPROPYLTOLUENE	NC	0.16 U	0.22 U	0.16 U	0.2 U	0.13 U	0.21 U	0.16 U
ACETONE	NC	1.5 UJ	2 UJ	1.4 UJ	1.8 UJ	1.1 UJ	2 J	1.5 J
NAPHTHALENE	NC	0.17 U	0.23 U	0.17 U	0.21 U	0.13 U	0.22 U	0.16 U
STYRENE	NC	0.18 U	0.24 U	0.17 U	0.22 U	0.14 U	0.22 U	0.17 U
TOLUENE	NC	0.28 U	0.6 U	0.36 U	0.59 U	0.36 U	0.16 U	0.12 U
METALS (mg/kg)								
ARSENIC	100	0.49 U	0.59 U	0.49 U	0.61 U	0.57 U	0.61 U	0.56 U
BERYLLIUM	NC	0.031 U	0.038 U	0.045 J	0.039 U	0.036 U	0.039 U	0.036 U
CADMIUM	20	1.3	0.22 J	0.17 J	0.11 J	0.063 J	0.095 J	0.073 J
CHROMIUM	100	0.22 J	0.3 J	0.24 J	0.22 J	0.2 J	3	0.44 J
COPPER	NC	2.3 J	1.7 J	1.3 J	1.5 J	1.9 J	2.9 J	1.9 J
LEAD	100	0.043 J	0.032 U	0.045 J	0.25 J	0.062 J	0.26 U	0.03 U
NICKEL	NC	1.7 J	1.1 J	1.1 J	0.72 J	0.46 J	1.6 J	0.39 J
SELENIUM	20	0.41 U	0.64 J	0.41 U	0.5 U	0.47 U	0.51 U	0.49 J
SILVER	100	0.076 U	0.091 U	0.076 U	0.093 U	0.087 U	0.094 U	0.086 U
THALLIUM	NC	0.16 U	0.19 U	0.16 U	0.19 U	0.18 U	0.19 U	0.18 U
ZINC	NC	43	3 J	1.9 J	2.6 J	2.2 J	5.6 J	3.5 J

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LOCKHEED MARTIN, MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

LOCATION	RCRA 20-Times	DR-TL18N			DR-TL18S	DR-TL1N	DR-TL1S	
SAMPLE ID	Characteristic Toxicity Criteria[1]	DR-TL18N-050916	DR-TL18N-050916-AVG	DR-TL18N-050916-D	DR-TL18S-050916	DR-TL1N-050916	DR-TL1S-050916	DR-TL1S-050916-AVG
SAMPLE DATE		20160509	20160509	20160509	20160509	20160509	20160509	20160509
VOLATILES (mg/kg)								
2-BUTANONE	NC	0.89 UJ	0.915 U	0.94 UJ	0.52 UJ	3.5 U	4.1 U	3.3 U
4-ISOPROPYLTOLUENE	NC	0.3 U	0.31 U	0.32 U	0.18 U	11 J	9.2 J	7.65
ACETONE	NC	3.2 J	3.35	3.5 J	1.6 UJ	12 J	14 J	11.3
NAPHTHALENE	NC	0.32 U	0.33 U	0.34 U	0.19 U	1.3 U	1.5 U	1.195 U
STYRENE	NC	0.33 U	0.34 U	0.35 U	0.19 U	1.3 U	1.5 U	1.21 U
TOLUENE	NC	0.95 U	0.895 U	0.84 U	0.53 U	0.54 U	0.56 U	0.45 U
METALS (mg/kg)								
ARSENIC	100	0.73 U	0.835 U	0.94 U	0.5 J	0.88 U	0.64 U	0.745 U
BERYLLIUM	NC	0.046 U	0.053 U	0.06 U	0.031 U	0.056 U	0.04 U	0.047 U
CADMIUM	20	0.39 J	0.415	0.44 J	0.19 J	0.47 J	0.14 J	0.135
CHROMIUM	100	0.5 U	0.605 U	0.71 U	1.5	1.2 J	1.6	1.6
COPPER	NC	4.2 J	5.6	7	4.7	5 J	4.4	3.7
LEAD	100	0.2 J	0.305	0.41 J	0.25 J	0.31 U	0.34 U	0.415 U
NICKEL	NC	2.4 J	4.05	5.7 J	1.6 J	0.76 J	0.78 J	0.76
SELENIUM	20	0.87 U	0.825 U	0.78 U	0.41 U	0.73 U	0.53 U	0.7825
SILVER	100	0.11 U	0.125 U	0.14 U	0.076 U	0.14 U	0.098 U	0.114 U
THALLIUM	NC	0.23 U	0.265 U	0.3 U	0.16 U	0.28 U	0.2 U	0.235 U
ZINC	NC	8.4 J	11.2	14	7.6	66	52	32.5

1. TCLP maximum concentration for toxicity characteristic (mg/L) multiplied by 20. Per USEPA SW-846 Method 1311 Frequenty Asked Questions, a total constituent concentration in a solid (mg/kg) may be divided by 20 to estimate the approximate minimum solid concentrations that could produce a result that could exceed the TCLP criteria for soil, which are expressed in terms of leachate concentrations.

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TABLE 4-2
SUMMARY OF POSITIVE CHEMICAL DETECTIONS, DUMP ROAD AREA
TREE TISSUE SAMPLING AND ANALYSIS, APRIL-MAY 2016
LOCKHEED MARTIN, MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

LOCATION	RCRA 20-Times	DR-TL1S	DR-TL2N	DR-TL2S	DR-TL3N	DR-TL3S	DR-TL4N	DR-TL4S
SAMPLE ID	Characteristic Toxicity Criteria[1]	DR-TL1S-050916-D	DR-TL2N-050916	DR-TL2S-050916	DR-TL3N-051016	DR-TL3S-051016	DR-TL4N-050916	DR-TL4S-050916
SAMPLE DATE		20160509	20160509	20160509	20160510	20160510	20160509	20160509
VOLATILES (mg/kg)								
2-BUTANONE	NC	2.5 U	2.3 UJ	8.4 UJ	6.2 UJ	3.1 UJ	0.72 U	0.6 U
4-ISOPROPYLTOLUENE	NC	6.1 J	2.1 J	9 J	3.7 J	4 J	0.33 J	0.21 U
ACETONE	NC	8.6 J	7.1 UJ	26 UJ	19 UJ	9.7 UJ	2.2 J	1.9 UJ
NAPHTHALENE	NC	0.89 U	0.81 U	3 U	2.2 U	1.1 U	0.26 U	0.22 U
STYRENE	NC	0.92 U	0.84 U	3.1 U	2.3 U	1.2 U	0.27 U	0.22 U
TOLUENE	NC	0.34 U	1 U	1.2 U	1.3 U	0.62 U	0.098 U	0.083 U
METALS (mg/kg)								
ARSENIC	100	0.85 U	0.79 U	0.82 U	0.76 U	0.92 U	0.7 U	0.63 U
BERYLLIUM	NC	0.054 U	0.05 U	0.052 U	0.048 U	0.059 U	0.045 U	0.04 U
CADMIUM	20	0.13 J	0.1 J	0.15 J	0.36 J	0.65 J	0.036 U	0.032 J
CHROMIUM	100	1.6 J	0.46 U	2.5	0.46 J	0.55 J	0.53 J	0.45 J
COPPER	NC	3 J	4.4 J	4.3 J	2.9 J	3.7 J	3.3 J	2.6 J
LEAD	100	0.49 U	0.29 J	0.42 J	0.041 U	0.18 J	0.21 U	0.31 U
NICKEL	NC	0.74 J	1.2 J	1.8 J	0.23 J	0.4 J	0.69 J	0.4 J
SELENIUM	20	1.3 J	0.76 U	0.99 U	0.63 U	1.2 J	0.58 U	0.6 J
SILVER	100	0.13 U	0.12 U	0.13 U	0.12 U	0.14 U	0.11 U	0.097 U
THALLIUM	NC	0.27 U	0.25 U	0.26 U	0.24 U	0.29 U	0.22 U	0.2 U
ZINC	NC	13	87	74	31	61	5.4 J	8.1

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LOCKHEED MARTIN, MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

LOCATION	RCRA 20-Times	DR_TL4S		DR-TL5N	DR-TL5S	DR-TL6N	DR-TL6S	DR-TL7N
SAMPLE ID	Characteristic Toxicity Criteria[1]	DR-TL4S-050916-AVG	DR-TL4S-050916-D	DR-TL5N-050516	DR-TL5S-050516	DR-TL6N-050916	DR-TL6S-050916	DR-TL7N-050516
SAMPLE DATE		20160509	20160509	20160505	20160505	20160509	20160509	20160505
VOLATILES (mg/kg)								
2-BUTANONE	NC	0.61 U	0.62 U	0.6 U	0.62 U	0.47 U	0.56 UJ	0.61 U
4-ISOPROPYLTOLUENE	NC	0.21 U	0.21 U	0.21 U	0.21 U	0.16 U	0.19 U	0.21 U
ACETONE	NC	1.475	2 J	1.9 J	1.9 J	1.5 UJ	1.7 UJ	1.9 UJ
NAPHTHALENE	NC	0.22 U	0.22 U	0.21 U	0.22 U	0.17 U	0.2 U	0.22 U
STYRENE	NC	0.225 U	0.23 U	0.22 U	0.23 U	0.17 U	0.21 U	0.23 U
TOLUENE	NC	0.084 U	0.085 U	0.18 U	0.19 U	0.065 U	0.89 J	0.11 U
METALS (mg/kg)								
ARSENIC	100	0.585 U	0.54 U	0.6 U	0.63 U	0.45 U	0.58 J	0.57 U
BERYLLIUM	NC	0.037 U	0.034 U	0.038 U	0.04 U	0.029 U	0.036 U	0.036 U
CADMIUM	20	0.023	0.028 U	0.03 U	0.033 U	0.023 U	0.029 U	0.06 J
CHROMIUM	100	0.775	1.1 J	0.64 J	0.78 J	0.23 U	0.31 U	2.3
COPPER	NC	2.75	2.9 J	2.8 J	1.5 J	1.7 J	2.1 J	1.9 J
LEAD	100	0.445 U	0.58 U	0.27 U	0.53 U	0.024 U	0.16 J	0.29 U
NICKEL	NC	0.485	0.57 J	0.67 J	0.44 J	0.52 J	0.62 J	0.97 J
SELENIUM	20	0.4125	0.45 U	0.49 U	0.53 U	0.43 U	0.58 U	0.71 J
SILVER	100	0.09 U	0.083 U	0.091 U	0.098 U	0.069 U	0.086 U	0.088 U
THALLIUM	NC	0.185 U	0.17 U	0.19 U	0.2 U	0.14 U	0.18 U	0.18 U
ZINC	NC	5.7	3.3 J	9.5	13	2.2 J	2.9 J	6.5 J

1. TCLP maximum concentration for toxicity characteristic (mg/L) multiplied by 20. Per USEPA SW-846 Method 1311 Frequenty Asked Questions, a total constituent concentration in a solid (mg/kg) may be divided by 20 to estimate the approximate minimum solid concentrations that could produce a result that could exceed the TCLP criteria for soil, which are expressed in terms of leachate concentrations.

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LOCKHEED MARTIN, MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

LOCATION SAMPLE ID SAMPLE DATE	RCRA 20-Times Characteristic Toxicity Criteria[1]	DR-TL7S DR-TL7S-050516 20160505	DR-TL8N DR-TL8N-050516 20160505	DR-TL8S DR-TL8S-050516 20160505	DR-TL9N DR-TL9N-050916 20160509	DR-TL9S DR-TL9S-050916 20160509	DR-TS1 DR-TS1-042816 20160428	DR-TS10 DR-TS10-042816 20160428
VOLATILES (mg/kg)								
2-BUTANONE	NC	0.64 U	0.5 U	0.52 U	0.66 U	0.63 U	1.9 UJ	0.65 J
4-ISOPROPYLTOLUENE	NC	0.22 U	0.69 J	0.28 J	0.23 U	0.22 U	3.6 J	0.2 U
ACETONE	NC	2 UJ	1.5 UJ	1.6 UJ	2.1 J	2 UJ	5.8 UJ	1.8 U
NAPHTHALENE	NC	0.23 U	0.18 U	0.18 U	0.24 U	0.23 U	0.72 J	0.21 UJ
STYRENE	NC	0.24 U	0.18 U	0.19 U	0.24 U	0.23 U	0.7 U	0.22 U
TOLUENE	NC	0.12 U	0.1 U	0.11 U	0.091 U	0.087 U	1 U	1.4 U
METALS (mg/kg)								
ARSENIC	100	0.68 U	0.63 U	0.51 U	0.69 U	0.59 U	0.77 U	0.6 U
BERYLLIUM	NC	0.043 U	0.04 U	0.032 U	0.044 U	0.038 U	0.049 U	0.038 U
CADMIUM	20	0.063 J	0.1 J	0.035 J	0.069 J	0.09 J	0.33 J	0.03 U
CHROMIUM	100	0.27 J	5.6	1.5	0.3 U	0.42 U	0.41 J	0.49 J
COPPER	NC	3.1 J	4.5	2.2 J	3 J	2.8 J	2.1 J	1.8 J
LEAD	100	0.17 U	0.27 U	0.11 U	0.15 J	0.15 J	0.29 U	1 U
NICKEL	NC	0.44 J	2.5 J	0.84 J	0.4 J	0.26 J	1.2 U	0.64 U
SELENIUM	20	0.56 U	0.52 U	0.63 J	0.81 U	0.49 U	0.64 U	0.49 U
SILVER	100	0.1 U	0.096 U	0.078 U	0.11 U	0.091 U	0.12 U	0.091 U
THALLIUM	NC	0.22 U	0.2 U	0.16 U	0.22 U	0.19 U	0.24 U	0.19 U
ZINC	NC	4.7 J	18	11	5.7 J	4.2 J	8.7 J	6.4 J

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LOCKHEED MARTIN, MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

LOCATION SAMPLE ID SAMPLE DATE	RCRA 20-Times Characteristic Toxicity Criteria[1]	DR-TS11 DR-TS11-042816 20160428	DR-TS12 DR-TS12-042816 20160428	DR-TS2 DR-TS2-042816 20160428	DR-TS3 DR-TS3-042816 20160428	DR-TS4 DR-TS4-042816 20160428	DR-TS5 DR-TS5-042816 20160428	DR-TS6 DR-TS6-042816 20160428
VOLATILES (mg/kg)								
2-BUTANONE	NC	0.34 UJ	0.41 UJ	1 UJ	0.52 UJ	0.47 UJ	0.56 UJ	0.43 UJ
4-ISOPROPYLTOLUENE	NC	0.19 J	0.14 J	0.34 U	0.18 U	0.16 U	0.19 U	0.15 U
ACETONE	NC	1.1 UJ	1.3 UJ	3.1 UJ	1.6 UJ	1.5 UJ	1.7 UJ	1.3 UJ
NAPHTHALENE	NC	0.12 U	0.15 U	0.36 U	0.21 J	0.17 U	0.2 U	0.15 U
STYRENE	NC	2.6	0.15 U	0.37 U	0.19 U	0.17 U	0.21 U	0.16 U
TOLUENE	NC	0.56 U	0.73 U	0.73 U	0.79 U	0.78 U	1 U	0.53 U
METALS (mg/kg)								
ARSENIC	100	0.53 J	0.59 J	0.57 J	0.74 J	0.5 U	0.62 U	0.63 U
BERYLLIUM	NC	0.027 U	0.027 U	0.032 U	0.04 U	0.032 U	0.04 U	0.04 U
CADMIUM	20	0.38 J	0.024 J	0.1 J	0.032 U	0.026 U	0.046 J	0.032 U
CHROMIUM	100	0.51 J	0.18 J	0.77 J	0.28 J	0.2 J	2.1	0.24 J
COPPER	NC	1.8 J	1.1 J	2.3 J	1.2 J	0.85 J	1.9 J	1.6 J
LEAD	100	0.81 U	0.51 U	4	0.83 U	0.13 U	1.8	0.49 U
NICKEL	NC	4.3	4.8	0.57 U	0.37 U	0.23 U	0.36 U	1.6 U
SELENIUM	20	0.36 U	0.42 J	0.43 J	0.52 U	0.41 U	0.52 U	0.61 J
SILVER	100	0.066 U	0.066 U	0.077 U	0.097 U	0.077 U	0.096 U	0.096 U
THALLIUM	NC	0.14 U	0.14 U	0.16 U	0.2 U	0.16 U	0.2 U	0.2 U
ZINC	NC	9.1	5.5	4.9 J	1.6 J	1.3 J	6.9 J	5.9 J

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TREE TISSUE SAMPLING AND ANALYSIS, APRIL-MAY 2016
LOCKHEED MARTIN, MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

LOCATION SAMPLE ID SAMPLE DATE	RCRA 20-Times Characteristic Toxicity Criteria[1]	DR-TS7 DR-TS7-042816 20160428	DR-TS8 DR-TS8-042816 20160428	DR-TS9 DR-TS9-042816 20160428
VOLATILES (mg/kg)				
2-BUTANONE	NC	0.42 UJ	0.45 UJ	0.46 UJ
4-ISOPROPYLTOLUENE	NC	0.14 U	7.9	2.2
ACETONE	NC	1.3 UJ	3.1 J	1.7 J
NAPHTHALENE	NC	0.15 U	0.16 U	0.16 U
STYRENE	NC	0.2 J	0.17 U	0.17 U
TOLUENE	NC	0.69 U	0.76 U	0.83 U
METALS (mg/kg)				
ARSENIC	100	0.55 J	0.54 J	0.46 U
BERYLLIUM	NC	0.029 U	0.032 U	0.029 U
CADMIUM	20	0.063 J	0.44 J	0.45 J
CHROMIUM	100	0.5 J	1.1 J	0.96 J
COPPER	NC	1.9 J	1.6 J	1.2 J
LEAD	100	2.2	0.81 U	0.93 U
NICKEL	NC	3.7 U	0.61 U	2.1 U
SELENIUM	20	0.49 J	0.41 U	0.46 J
SILVER	100	0.071 U	0.076 U	0.071 U
THALLIUM	NC	0.15 U	0.16 U	0.15 U
ZINC	NC	28	7.3	7.8

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Section 5
Summary

Elevated concentrations (i.e., concentrations exceeding toxicity characteristic leaching procedure [TCLP] criteria) of volatile organic compounds (VOCs) and metals were not detected during chemical analysis of tree-tissue samples collected from the Dump Road Area (DRA). Chlorinated VOC groundwater contaminants, such as trichloroethene and *cis*-1,2-dichloroethene, were not detected in tissue samples taken from trees growing in the impacted area. These results do not lead us to recommend additional tree tissue sampling. Nothing indicates that trees within the areas of soil and groundwater contamination in the DRA will require specialized handling or disposal when felled.

Section 6
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APPENDIX A—PHOTOGRAPHIC LOG

APPENDIX A-1
BACKGROUND LIVE TREE CORING
PHOTOGRAPHIC LOG



DR-TG1 Sweet Gum



DR-TG2 White Oak



DR-TG3 Virginia Pine



DR-TG4 Black Cherry



DR-TG5 Red Maple



DR-TG6 Willow Oak

APPENDIX A-2
LIVE TREE CORING
PHOTOGRAPHIC LOG



DR-TL1 White Pine



DR-TL2 White Pine



DR-TL3 White Pine



DR-TL4 Mulberry



DR-TL5 Mulberry



DR-TL6 Mulberry



DR-TL7 Mulberry



DR-TL8 Tree of Heaven



DR-TL9 Sycamore



DR-TL10 Sweet Gum



DR-TL11 Sweet Gum



DR-TL12 Black Cherry



DR-TL13 Red Maple



DR-TL14 Red Maple



DR-TL15 Southern Red Oak



DR-TL16 Willow Oak



DR-TL17 Box Elder



DR-TL18 Black Locust

APPENDIX A-3

STUMP SAMPLES

PHOTOGRAPHIC LOG

TREE CORING PHOTO LOG

Sample: Stump Samples

Date: March 28,



DR-TS1-042816 White Pine



DR-TS2-042816 Black Locust

TREE CORING PHOTO LOG

Sample: Stump Samples

Date: March 28,



DR-TS3-042816 Mulberry



DR-TS4-042816 Mulberry

TREE CORING PHOTO LOG

Sample: Stump Samples

Date: March 28,



DR-TS5-042816 Tree of Heaven



DR-TS6-042816 Mulberry

TREE CORING PHOTO LOG

Sample: Stump Samples

Date: March 28,



DR-TS7-042816 Mulberry



DR-TS8-042816 White Pine

TREE CORING PHOTO LOG

Sample: Stump Samples Date: March 28,



DR-TS9-042816 White Pine



DR-TS10-042816 Tree of Heaven

TREE CORING PHOTO LOG

Sample: Stump Samples

Date: March 28,



DR-TS11-042816 Red Maple (Background Sample)



DR-TS12-042816 Oak (Background Sample)

APPENDIX B—FIELD SAMPLING DOCUMENTATION

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DR-T6 1 N/S
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

[X] Live Tree: BACKGROUND
[] Stump:

Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 5/5/16	Common Name	Circumference (inches)	Diameter (inches)	Other
Time: 0945/0900				
Height: 4-5 feet				
Method: Tree corer	SWEET GUM	72	23	

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

FIGURE 3-2

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DR-T62 N/S
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

[✓] Live Tree: BACKGROUND
[ ] Stump:

Type of Sample:
[ ] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 5/5/16	Common Name	Circumference (inches)	Diameter (inches)	Other
Time: 1045/1015				
Height: 4-5 feet				
Method: Tree corer	WHITE OAK	108	34	

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

FIGURE 3-2

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DR-TG3 N/S
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

[✓] Live Tree: BACKGROUND
[] Stump:

Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

		Common Name	Circumference (inches)	Diameter (inches)	Other
Date:	5/5/16				
Time:	1130/1110				
Height:	4-5 feet				
Method:	Tree corer	VIRGINIA PINE	64	20	

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

FIGURE 3-2

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DR-T64 N/S
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

[✓] Live Tree: BACKGROUND
[] Stump:

Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 5/9/16	Common Name	Circumference (inches)	Diameter (inches)	Other
Time: 0800/0815				
Height: 4-5 feet				
Method: Tree corer	BLACK CHERRY	54	17	

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

FIGURE 3-2

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DR-TGS N/S
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

Type of Sample:
[] Low Concentration
[] High Concentration

[✓] Live Tree: BACKGROUND
[] Stump:

SAMPLING DATA:

Date: 5/9/16	Common Name	Circumference (inches)	Diameter (inches)	Other
Time: 0845/0900				
Height: 4-5 feet				
Method: Tree corer	RED MAPLE	28	9	

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

FIGURE 3-2

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DR-T66 N/S
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

Type of Sample:
[] Low Concentration
[] High Concentration

[V] Live Tree: BACKGROUND
[] Stump:

SAMPLING DATA:

Date: 5/9/16	Common Name	Circumference (inches)	Diameter (inches)	Other
Time: 0920/0940				
Height: 4-5 feet				
Method: Tree corer	WILLOW OAK	95	30	

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

FIGURE 3-2

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DR-TL1 N/S
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

Type of Sample:
[] Low Concentration
[] High Concentration

[✓] Live Tree:
[] Stump:

SAMPLING DATA:

Date: 5/9/16	Common Name	Circumference (inches)	Diameter (inches)	Other
Time: 1000/1030				
Height: 4-5 feet	WHITE PINE	39	12	
Method: Tree corer				

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

FIGURE 3-3

Circle if Applicable:

MS/MSD

Duplicate ID No.: DR-TLDUP1

Signature(s):

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DE-TL2 N/S
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

Type of Sample:
[] Low Concentration
[] High Concentration

[✓] Live Tree:
[] Stump:

SAMPLING DATA:

Date: 5/9/16	Common Name	Circumference (inches)	Diameter (inches)	Other
Time: 1400/1420				
Height: 4-5 feet				
Method: Tree corer	WHITE PINE	49	16	

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

FIGURE 3-3

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DR-TL3N/S
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

Type of Sample:
[] Low Concentration
[] High Concentration

[✓] Live Tree:
[] Stump:

SAMPLING DATA:

Date: 5/10/16	Common Name	Circumference (inches)	Diameter (inches)	Other
Time: 1400/1430				
Height: 4-5 feet	WHITE PINE	45	14	
Method: Tree corer				

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

FIGURE 3-3

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DE-TL4N/S
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

Type of Sample:
[] Low Concentration
[] High Concentration

[✓] Live Tree:
[] Stump:

SAMPLING DATA:

Date:	5/9/16	Common Name	Circumference (inches)	Diameter (inches)	Other
Time:	1100/1130				
Height:	4-5 feet	MULBERRY	43	14	
Method:	Tree corer				

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

FIGURE 3-3

Circle if Applicable:

MS/MSD	Duplicate ID No.:
	DE-TLDUP2

Signature(s):

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DR-TLSN/S
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

[✓] Live Tree:
[ ] Stump:

Type of Sample:
[ ] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 5/5/16	Common Name	Circumference (inches)	Diameter (inches)	Other
Time: 0830/0800				
Height: 4-5 feet				
Method: Tree corer	MULBERRY	30	10	

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

FIGURE 3-3

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DR-TL6 N/S
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

Type of Sample:
[] Low Concentration
[] High Concentration

[✓] Live Tree:
[] Stump:

SAMPLING DATA:

Date: 5/9/16	Common Name	Circumference (inches)	Diameter (inches)	Other
Time: 0920/0940				
Height: 4-5 feet				
Method: Tree corer	MULBERRY	45	14	

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

FIGURE 3-3

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DR-TL7 N/S
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

Type of Sample:
[] Low Concentration
[] High Concentration

[✓] Live Tree:
[] Stump:

SAMPLING DATA:

Date: 5/5/16	Common Name	Circumference (inches)	Diameter (inches)	Other
Time: 1445/1415				
Height: 4-5 feet	MULBERRY	43	14	
Method: Tree corer				

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

FIGURE 3-3

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DR-TL8 N/S
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

Type of Sample:
[] Low Concentration
[] High Concentration

[✓] Live Tree:
[] Stump:

SAMPLING DATA:

Date: 5/5/16	Common Name	Circumference (inches)	Diameter (inches)	Other
Time: 1300/1330				
Height: 4-5 feet	TREE OF HEAVEN	28	9	
Method: Tree corer				

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

FIGURE 3-3

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DR-TL9 NS
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

Type of Sample:
[] Low Concentration
[] High Concentration

[✓] Live Tree:
[] Stump:

SAMPLING DATA:

Date: 5/9/16	Common Name	Circumference (inches)	Diameter (inches)	Other
Time: 1245/1300				
Height: 4-5 feet				
Method: Tree corer	SYCAMORE	60	19	

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

FIGURE 3-3

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DR-TH0 N/S
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

Type of Sample:
[] Low Concentration
[] High Concentration

[x] Live Tree:
[] Stump:

SAMPLING DATA:

Date: 5/9/16	Common Name	Circumference (inches)	Diameter (inches)	Other
Time: 1200/1230				
Height: 4-5 feet	SWEET GUM	26	8	
Method: Tree corer				

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

FIGURE 3-3

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DR-TL11N/S
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

[✓] Live Tree:
[ ] Stump:

Type of Sample:
[ ] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 5/10/16	Common Name	Circumference (inches)	Diameter (inches)	Other
Time: 1000/1020				
Height: 4-5 feet	SWEETGUM	36	11	
Method: Tree corer				

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

FIGURE 3-3

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DR-TL12N/S
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

Type of Sample:
[] Low Concentration
[] High Concentration

[X] Live Tree:
[] Stump:

SAMPLING DATA:

Date: 5/9/16	Common Name	Circumference (inches)	Diameter (inches)	Other
Time: 1315/1320				
Height: 4-5 feet				
Method: Tree corer	BLACK CHERRY	48	15	

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

FIGURE 3-3

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DP-TL13N/S
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

Type of Sample:
[] Low Concentration
[] High Concentration

[✓] Live Tree:
[] Stump:

SAMPLING DATA:

Date: 5/10/16	Common Name	Circumference (inches)	Diameter (inches)	Other
Time: 1045/1100				
Height: 4-5 feet	RED MAPLE	52	17	
Method: Tree corer				

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

FIGURE 3-3

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DR-TL4N/S
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

[✓] Live Tree:
[] Stump:

Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 5/10/16	Common Name	Circumference (inches)	Diameter (inches)	Other
Time: 1250/1320				
Height: 4-5 feet				
Method: Tree corer	RED MAPLE	28	9	

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

FIGURE 3-3

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DR-TL15N5
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

Type of Sample:
[] Low Concentration
[] High Concentration

[✓] Live Tree:
[] Stump:

SAMPLING DATA:

		Common Name	Circumference (inches)	Diameter (inches)	Other
Date:	5/10/16				
Time:	1130/1200				
Height:	4-5 feet	SOUTHERN RED OAK	84	27	
Method:	Tree corer				

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

FIGURE 3-3

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DR-TL16NS
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

[✓] Live Tree:
[ ] Stump:

Type of Sample:
[ ] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 5/10/16	Common Name	Circumference (inches)	Diameter (inches)	Other
Time: 0900/0930				
Height: 4-5 feet				
Method: Tree corer	Willow Oak	69	22	

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

FIGURE 3-3

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DR-TL17 N/S
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

Type of Sample:
[] Low Concentration
[] High Concentration

[✓] Live Tree:
[] Stump:

SAMPLING DATA:

Date:	5/5/16	Common Name	Circumference (inches)	Diameter (inches)	Other
Time:	1525/1505				
Height:	4-5 feet	BOX ELDER	39	12	
Method:	Tree corer				

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

FIGURE 3-3

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DR-TL18NS
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

Type of Sample:
[] Low Concentration
[] High Concentration

[✓] Live Tree:
[] Stump:

SAMPLING DATA:

Date: 5/9/16	Common Name	Circumference (inches)	Diameter (inches)	Other
Time: 1445/1520				
Height: 4-5 feet	BLACK LOCUST	49	16	
Method: Tree corer				

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

FIGURE 3-3

Circle if Applicable:

MS/MSD	Duplicate ID No.:
	DR-TLDUP3

Signature(s):

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DR-TS1
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

Type of Sample:
[] Low Concentration
[] High Concentration

[] Live Tree:
[✓] Stump:

SAMPLING DATA:

Date:	4/28/16	Common Name	Circumference (inches)	Diameter (inches)	Other
Time:	0830				
Height:	N/A	WHITE PINE	15	5	
Method:	Tree corer				

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

FIGURE 3-1

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DR-T52
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

Type of Sample:
[] Low Concentration
[] High Concentration

[] Live Tree:
[✓] Stump:

SAMPLING DATA:

Date: 4/28/16	Common Name	Circumference (inches)	Diameter (inches)	Other
Time: 0845				
Height: N/A	BLACK LOCUST	13	4	
Method: Tree corer				

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

FIGURE 3-1

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DR-TS3
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

Type of Sample:
[] Low Concentration
[] High Concentration

[] Live Tree:
[✓] Stump:

SAMPLING DATA:

Date: 4/28/16 Time: 0900 Height: N/A Method: Tree corer	Common Name	Circumference (inches)	Diameter (inches)	Other
	MULBERRY	11	4	

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

FIGURE 3-1

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DE-TS4
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

Type of Sample:
[] Low Concentration
[] High Concentration

[] Live Tree:
[✓] Stump:

SAMPLING DATA:

Date: 4/28/16 / Time: 0930	Common Name	Circumference (inches)	Diameter (inches)	Other
Height: N/A / Method: Tree corer	MULBERRY	18	6	

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

FIGURE 3-1

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DR-TS5
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

Type of Sample:
[] Low Concentration
[] High Concentration

[] Live Tree:
[✓] Stump:

SAMPLING DATA:

Date: 4/28/16	Common Name	Circumference (inches)	Diameter (inches)	Other
Time: 1000				
Height: N/A	TREE OF HEAVEN	12	4	
Method: Tree corer				

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

FIGURE 3-1

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DR-TS6
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

Type of Sample:
[] Low Concentration
[] High Concentration

[] Live Tree:
[✓] Stump:

SAMPLING DATA:

Date: 4/28/16 Time: 1015	Common Name	Circumference (inches)	Diameter (inches)	Other
Height: N/A Method: Tree corer	MULBERRY	15	5	

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

FIGURE 3-1

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DR-TS7
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

Type of Sample:
[] Low Concentration
[] High Concentration

[] Live Tree:
[✓] Stump:

SAMPLING DATA:

Date: 4/28/16	Common Name	Circumference (inches)	Diameter (inches)	Other
Time: 1045				
Height: N/A	MULBERRY	18	6	
Method: Tree corer				

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

FIGURE 3-1

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DE-TS8
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

Type of Sample:
[] Low Concentration
[] High Concentration

[] Live Tree:
[✓] Stump:

SAMPLING DATA:

Date: 4/28/16	Common Name	Circumference (inches)	Diameter (inches)	Other
Time: 1100				
Height: N/A				
Method: Tree corer	WHITE PINE	30	10	

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

FIGURE 3-1

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DR-TS9
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

Type of Sample:
[] Low Concentration
[] High Concentration

[] Live Tree:
[✓] Stump:

SAMPLING DATA:

Date: 4/28/16	Common Name	Circumference (inches)	Diameter (inches)	Other
Time: 1120				
Height: N/A				
Method: Tree corer	White Pine	14	4	

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

Figure 3-1

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DR-TS10
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

Type of Sample:
[] Low Concentration
[] High Concentration

[] Live Tree:
[✓] Stump:

SAMPLING DATA:

Date: 04/28/16	Common Name	Circumference (inches)	Diameter (inches)	Other
Time: 1145				
Height: N/A	TREE OF HEAVEN	23	7	
Method: Tree corer				

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

FIGURE 3-1

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DE-TS11
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

Type of Sample:
[] Low Concentration
[] High Concentration

[] Live Tree:
[✓] Stump:

SAMPLING DATA:

Date: 4/28/16	Common Name	Circumference (inches)	Diameter (inches)	Other
Time: 1220				
Height: N/A				
Method: Tree corer	RED MAPLE	12	4	

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

FIGURE 3-1

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

TREE CORING SAMPLE LOG SHEET

Project Site Name: Tree Tissue Sampling Dump Road Area
Project No.: 112IC07835

Sample ID No.: DR-TS12
Sample Location: Dump Road Area
Sampled By: T. Apanavage
C.O.C. No.:

Type of Sample:
[] Low Concentration
[] High Concentration

[] Live Tree:
[✓] Stump:

SAMPLING DATA:

Date: 4/28/16	Common Name	Circumference (inches)	Diameter (inches)	Other
Time: 1300				
Height: N/A				
Method: Tree corer	WHITE OAK	19	6	

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	8260B	Unpreserved	Glass jar with minimum 16 grams	X
Total Metals	6010	Unpreserved	Glass jar with minimum 16 grams	X

OBSERVATIONS / NOTES:

MAP:

FIGURE 3-1

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

APPENDIX C—DATA VALIDATION REPORTS AND CHAINS OF CUSTODY

TETRA TECH

INTERNAL CORRESPONDENCE

TO: **A. McGIVNEY** **DATE:** **JULY 6, 2016**

FROM: **MICHELLE L. ALLEN** **COPIES:** **DV FILE**

SUBJECT: **ORGANIC & INORGANIC DATA VALIDATION – VOC/METALS**
LOCKHEED MARTIN CORPORATION (LMC) – MARTIN STATE AIRPORT (MSA)
DRA TREE TISSUE
SDG 240-64249-1

SAMPLES: 26/Wood/VOC/Metals

DR-TG1N-050516	DR-TG1S-050516	DR-TG2N-050516
DR-TG2S-050516	DR-TG3N-050516	DR-TG3S-050516
DR-TL17N-050516	DR-TL17S-050516	DR-TL5N-050516
DR-TL5S-050516	DR-TL7N-050516	DR-TL7S-050516
DR-TL8N-050516	DR-TL8S-050516	DR-TS1-042816
DR-TS10-042816	DR-TS11-042816	DR-TS12-042816
DR-TS2-042816	DR-TS3-042816	DR-TS4-042816
DR-TS5-042816	DR-TS6-042816	DR-TS7-042816
DR-TS8-042816	DR-TS9-042816	

2/Aqueous/VOC

TB-042816	TB-050516

Overview

The sample set for LMC-MSA DRA Tree Tissue, SDG 240-64249-1 consisted of twenty-six (26) wood environmental samples and two (2) trip blanks. All twenty-eight (28) samples were analyzed for Volatile Organic Compounds (VOC). Twenty-six (26) wood environmental samples were analyzed for metals. No field duplicate sample pair was included in this SDG.

The samples were collected by Tetra Tech, Inc. on April 28 and May 5, 2016 and analyzed by TestAmerica, Inc. All analyses were conducted in accordance with SW-846 Methods 8260B, 8260C, 6020, and 7471A analytical and reporting protocols.

The data contained in this SDG were validated with regard to the following parameters: data completeness, holding times, sample preservation, GC/MS tuning, ICP/MS tuning, initial/continuing calibrations, ICP interference results, laboratory preparation/method/trip blanks, surrogate spike recoveries, laboratory control sample results, matrix spike/matrix spike duplicate results, internal standard results, serial dilution results, chromatographic resolution, compound identification, tentatively identified compounds, compound/analyte quantitation, and detection limits. Areas of concern are listed below.

Major

- The continuing calibrations performed on instrument A3UX11 had a Relative Response Factors (RRFs) for tert-butyl alcohol below the 0.01 quality control limit. The non-detected results reported for this compound in the affected samples, TB-042816 and TB-050516, were qualified as rejected, (UR).

- As stated in the laboratory case narrative, 2-chloroethyl vinyl ether cannot be reliably recovered in an acid preserved samples. The trip blanks in this SDG were acid preserved, therefore, the non-detected results reported for 2-chloroethyl vinyl ether were qualified as rejected, (UR).

Minor

- The VOC initial calibration verification performed on instrument A3UX8 on 05/10/16 @ 04:37 had Percent Drifts (%Drifts) for acetone and 1,2-dibromo-3-chloropropane and a Percent Difference (%D) for 2-butanone which exceeded the 20% quality control limit. Samples associated with analytical batch #240-230314 were affected. The detected and non-detected results reported for these compounds in the affected samples were qualified as estimated, (J) and (UJ), respectively.

- The VOC continuing calibrations performed on instrument A3UX8 on 05/11/16 @ 00:59 and 01:20 had %Drifts for bromoform and 1,2-dibromo-3-chloropropane and %Ds for tert-butyl alcohol, 2-chloroethyl vinyl ether, naphthalene, ethyl tert-butyl ether, and tert-amyl methyl ether which exceeded the 20% quality control limit. Sample, DR-TS10-042816, associated with analytical batch #240-229723 was affected. The non-detected results reported for these compounds in the affected sample were qualified as estimated, (UJ).

- The VOC continuing calibration performed on instrument A3UX8 on 05/13/16 @ 02:19 had a %D for ethyl tert-butyl ether which exceeded the 20% quality control criterion. Samples associated with analytical batch #240-230141 were affected. The non-detected results reported for this compound in the affected samples were qualified as estimated, (UJ).

- The VOC initial calibration verification performed on instrument A3UX8 on 05/13/16 @ 02:41 had a %Drift for acetone which was greater than the 20% quality control limit. Samples associated with analytical batch #240-230141 were affected. The detected and non-detected results reported for acetone in the samples associated with this analytical batch were qualified as estimated, (J) and (UJ), respectively.

- The VOC continuing calibrations performed on instrument A3UX8 on 05/14/16 @ 01:53 and 02:14 had %Drifts for acetone and 2-chloroethyl vinyl ether and %Ds for tert-butyl alcohol, ethyl tert-butyl ether, and tert-amyl methyl ether which exceeded the 20% quality control limit. Samples associated with analytical batch #240-230314 were affected. The detected and non-detected results reported for these compounds in the affected samples were qualified as estimated, (J) and (UJ), respectively.

- The VOC continuing calibration performed on instrument A3UX11 on 05/09/16 @ 07:56 had %Ds for trichlorofluoromethane, carbon tetrachloride, 4-methyl-2-pentanone, 2-hexanone, 1,1,2,2-tetrachloroethane, 1,2,3-trichloropropane, naphthalene, and 1,2,3-trichlorobenzene which exceeded the 20% quality control limit. The non-detected results reported for these compounds in the affected sample, TB-042816, were qualified as estimated, (UJ).

- The VOC continuing calibration performed on instrument A3UX11 on 05/13/16 @ 09:07 had %Ds for trichlorofluoromethane, 4-methyl-2-pentanone, 2-hexanone, 1,1,2,2-tetrachloroethane, 1,2,3-trichloropropane, 1,2-dibromo-3-chloropropane, naphthalene, and 1,2,3-trichlorobenzene, and a %Drift for tert-butyl alcohol, which exceeded the 20% quality control limit. No action was taken for tert-butyl alcohol because the result was rejected due to a different calibration noncompliance. The remaining non-detected results reported for these compounds in the affected sample, TB-050516, were qualified as estimated, (UJ).

- The following compound was detected in the laboratory method blanks at the following maximum concentrations:

Compound/Parameter	Maximum Concentration (mg/Kg)	Action Level (mg/Kg)
Toluene (1)	0.128	0.64
Toluene (2)	0.0239	0.1195

(1) - Maximum concentration detected in the laboratory method blank, MB 240-228807/1-A, affecting samples associated with preparation batch #240-228807.
(2) - Maximum concentration detected in the laboratory method blank, MB 240-229695/1-A, affecting samples associated with preparation batch #240-229695.

An action level of 5X was used to evaluate for blank contamination. Percent moisture and dilution factor, if applicable, were taken into consideration during the application of the action level. The detected results reported for toluene in the affected samples below the established action levels were qualified as non-detected, (U).

- The following analytes were detected in the laboratory preparation and method blanks at the following maximum concentrations:

Analyte	Maximum Concentration	Reporting Limit (RL) > or <
Beryllium (1)	0.264 µg/L	<RL
Beryllium (2)	0.291 µg/L	<RL
Nickel (3)	0.0982 mg/Kg	<RL
Lead (3)	0.0315 mg/Kg	<RL
Lead (4)	0.253 mg/Kg	<RL

(1) - Maximum concentration detected in the initial/continuing calibration blanks associated with analytical batch #240-229578 affecting wood samples associated with this analytical batch.
(2) - Maximum concentration detected in the initial/continuing calibration blanks associated with analytical batch #240-230193 affecting wood samples associated with this analytical batch.
(3) - Maximum concentration detected in the laboratory method blank, MB 240-228827/1-A, associated with preparation batch #240-228827 affecting wood samples associated with this preparation batch.
(4) - Maximum concentration detected in the laboratory method blank, MB 240-229881/1-A, associated with preparation batch #240-229881 affecting wood samples associated with this preparation batch.

The detected results for reported the below the RL were qualified as non-detected, (U).

- The solid VOC Laboratory Control Sample (LCS) associated with preparation batch #240-228807 had Percent Recoveries (%Rs) below the lower quality control limits for tert-butyl alcohol and vinyl acetate. In addition, the %R for toluene was above the upper quality control limit. No action was

taken for toluene because the detected results were qualified for laboratory blank contamination. The non-detected results reported for tert-butyl alcohol and vinyl acetate in the samples associated with this preparation batch were qualified as estimated, (UJ).

- The solid VOC LCS associated with preparation batch #240-229695 had %Rs below the lower quality control limit for tert-butyl alcohol. The non-detected results reported for tert-butyl alcohol in the samples associated with this preparation batch were qualified as estimated, (UJ).

- The Matrix Spike/Matrix Spike Duplicate (MS/MSD) analyses performed on sample DR-TS2-042816 had %Rs for tert-butyl alcohol and vinyl acetate below the lower quality control limits. The non-detected results reported for these compounds in the parent sample were qualified as estimated, (UJ).

- Tentatively Identified Compounds (TICs) were detected in several samples. The GC/MS instrument was not calibrated for these TICs; therefore, these compounds are qualified as estimated presumptively present, (NJ).

- A 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 0.25 mg/Kg. Because the GC/MS was not calibrated for this compound, the RL is not considered precise. The non-detected results reported for chlorodifluoromethane were qualified as estimated, (UJ).

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

Notes

Methylene chloride was detected in the laboratory method blank associated with the trip blank, TB-042816. No action was taken because trip blanks are not qualified for laboratory blank contamination.

Isobutane was detected as TIC in the trip blanks. No action was taken in the associated wood samples because isobutene was not detected.

The aqueous VOC LCS associated with trip blank, TB-042816, had %Rs for 1,1-dichloroethene and methylene chloride above the upper quality control limits. No action was necessary because these compounds were not detected the trip blank.

All VOC wood samples were analyzed at the medium concentration level. The following samples were further diluted before analysis:

Sample	Dilution
DR-TG3N-050516	1.42X
DR-TS1-042816	3.33X

The reporting limits of the non-detected results were elevated in these samples.

Non-detected results were reported to the MDL.

Executive Summary

Laboratory Performance: VOC continuing calibration RRFs for tert-butyl alcohol were below the 0.01 quality control criterion. VOC initial calibration verifications and continuing calibrations had %Drifts and %Ds which exceeded 20%. Toluene, methylene chloride, and metals were detected in laboratory method and/or preparation blanks. TICs were detected in several samples. The solid VOC LCS analyses had low %Rs for vinyl acetate and/or tert-butyl alcohol. Non-detected chlorodifluoromethane results were estimated because detection was evaluated via TIC library search.

Other Factors Affecting Data Quality: 2-Chloroethyl vinyl ether results were rejected in the trip blanks because the samples were acid preserved. The VOC MS/MSD analyses had noncompliant %Rs. Two samples were analyzed at dilutions in the VOC fraction. Results below the RL were estimated.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Organic Review" (August 2014) and "National Functional Guidelines for Inorganic Review" (August 2014). The text of this report has been formulated to address only those areas affecting data quality.

Tetra Tech, Inc.
Michelle L. Allen
Chemist/Data Validator

Tetra Tech, Inc.
Joseph A. Samchuck
Data Validation Manager

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

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 x IDL for inorganics and <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: 07835	NSAMPLE	TB-042816			TB-050516		
SDG: 240-64249-1	LAB_ID	240-64249-13			240-64493-15		
FRACTION: OV	SAMP_DATE	4/28/2016			5/5/2016		
MEDIA: WATER	QC_TYPE	NM			NM		
	UNITS	UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.28	U		0.28	U	
1,1,1-TRICHLOROETHANE		0.44	U		0.44	U	
1,1,2,2-TETRACHLOROETHANE		0.22	UJ	C	0.22	UJ	C
1,1,2-TRICHLOROTRIFLUOROETHANE		0.45	U		0.45	U	
1,1-DICHLOROETHANE		0.3	U		0.3	U	
1,1-DICHLOROETHENE		0.45	U		0.45	U	
1,1-DICHLOROPROPENE		0.42	U		0.42	U	
1,2,3-TRICHLOROBENZENE		0.37	UJ	C	0.37	UJ	C
1,2,3-TRICHLOROPROPANE		0.44	UJ	C	0.44	UJ	C
1,2,3-TRIMETHYLBENZENE		0.47	U		0.47	U	
1,2,4-TRICHLOROBENZENE		0.32	U		0.32	U	
1,2,4-TRIMETHYLBENZENE		0.41	U		0.41	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.82	U		0.82	UJ	C
1,2-DIBROMOETHANE		0.32	U		0.32	U	
1,2-DICHLOROBENZENE		0.25	U		0.25	U	
1,2-DICHLOROETHANE		0.23	U		0.23	U	
1,2-DICHLOROPROPANE		0.25	U		0.25	U	
1,3-DICHLOROBENZENE		0.19	U		0.19	U	
1,3-DICHLOROPROPANE		0.19	U		0.19	U	
1,4-DICHLOROBENZENE		0.27	U		0.27	U	
2,2-DICHLOROPROPANE		0.26	U		0.26	U	
2-BUTANONE		0.53	U		0.53	U	
2-CHLOROETHYL VINYL ETHER		0.59	UR	Q	0.59	UR	Q
2-CHLOROTOLUENE		0.4	U		0.4	U	
2-HEXANONE		0.48	UJ	C	0.48	UJ	C
4-CHLOROTOLUENE		0.29	U		0.29	U	
4-ISOPROPYLTOLUENE		0.43	U		0.43	U	
4-METHYL-2-PENTANONE		0.99	UJ	C	0.99	UJ	C
ACETONE		0.94	U		0.94	U	
BENZENE		0.35	U		0.35	U	
BROMOBENZENE		0.35	U		0.35	U	
BROMOCHLOROMETHANE		0.5	U		0.5	U	
BROMODICHLOROMETHANE		0.29	U		0.29	U	
BROMOFORM		0.56	U		0.56	U	
BROMOMETHANE		0.44	U		0.44	U	

PROJ_NO: 07835	NSAMPLE	TB-042816			TB-050516		
SDG: 240-64249-1	LAB_ID	240-64249-13			240-64493-15		
FRACTION: OV	SAMP_DATE	4/28/2016			5/5/2016		
MEDIA: WATER	QC_TYPE	NM			NM		
	UNITS	UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.38	U		0.38	U	
CARBON TETRACHLORIDE		0.43	UJ	C	0.43	U	
CHLOROBENZENE		0.25	U		0.25	U	
CHLORODIBROMOMETHANE		0.43	U		0.43	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.32	U		0.32	U	
CHLOROFORM		0.25	U		0.25	U	
CHLOROMETHANE		0.44	U		0.44	U	
CIS-1,2-DICHLOROETHENE		0.26	U		0.26	U	
CIS-1,3-DICHLOROPROPENE		0.46	U		0.46	U	
DIBROMOMETHANE		0.42	U		0.42	U	
DICHLORODIFLUOROMETHANE		0.32	U		0.32	U	
DIISOPROPYL ETHER		0.5	U		0.5	U	
ETHYL TERT-BUTYL ETHER		0.23	U		0.23	U	
ETHYLBENZENE		0.25	U		0.25	U	
HEXACHLOROBUTADIENE		0.35	U		0.35	U	
ISOPROPYLBENZENE		0.35	U		0.35	U	
M+P-XYLENES		0.24	U		0.24	U	
METHYL TERT-BUTYL ETHER		0.2	U		0.2	U	
METHYLENE CHLORIDE		0.33	U		0.33	U	
NAPHTHALENE		0.45	U		0.45	U	
N-BUTYLBENZENE		0.31	U		0.31	U	
N-PROPYLBENZENE		0.4	U		0.4	U	
O-XYLENE		0.25	U		0.25	U	
SEC-BUTYLBENZENE		0.48	U		0.48	U	
STYRENE		0.45	U		0.45	U	
TERT-AMYL METHYL ETHER		0.3	U		0.3	U	
TERT-BUTYLBENZENE		0.41	U		0.41	U	
TERTIARY-BUTYL ALCOHOL		4.9	UR	C	4.9	UR	C
TETRACHLOROETHENE		0.31	U		0.31	U	
TOLUENE		0.23	U		0.23	U	
TOTAL XYLENES		0.52	U		0.52	U	
TRANS-1,2-DICHLOROETHENE		0.3	U		0.3	U	
TRANS-1,3-DICHLOROPROPENE		0.56	U		0.56	U	
TRICHLOROETHENE		0.22	U		0.22	U	

PROJ_NO: 07835	NSAMPLE	TB-042816			TB-050516		
SDG: 240-64249-1	LAB_ID	240-64249-13			240-64493-15		
FRACTION: OV	SAMP_DATE	4/28/2016			5/5/2016		
MEDIA: WATER	QC_TYPE	NM			NM		
	UNITS	UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.49	UJ	C	0.49	UJ	C
VINYL ACETATE		0.41	U		0.41	U	
VINYL CHLORIDE		0.29	U		0.29	U	

PROJ_NO: 07835	NSAMPLE	DR-TG1N-050516			DR-TG1S-050516			DR-TG2N-050516			DR-TG2S-050516		
SDG: 240-64249-1	LAB_ID	240-64493-2			240-64493-1			240-64493-4			240-64493-3		
FRACTION: OV	SAMP_DATE	5/5/2016			5/5/2016			5/5/2016			5/5/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	60.3			61.2			59.7			61.2		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.34	U		0.38	U		0.36	U		0.35	U	
1,1,1-TRICHLOROETHANE		0.19	U		0.21	U		0.2	U		0.19	U	
1,1,2,2-TETRACHLOROETHANE		0.17	U		0.19	U		0.18	U		0.18	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.29	U		0.33	U		0.31	U		0.3	U	
1,1-DICHLOROETHANE		0.24	U		0.27	U		0.26	U		0.25	U	
1,1-DICHLOROETHENE		0.21	U		0.23	U		0.22	U		0.22	U	
1,1-DICHLOROPROPENE		0.26	U		0.29	U		0.28	U		0.27	U	
1,2,3-TRICHLOROBENZENE		0.27	U		0.3	U		0.29	U		0.28	U	
1,2,3-TRICHLOROPROPANE		0.71	U		0.8	U		0.75	U		0.74	U	
1,2,3-TRIMETHYLBENZENE		0.09	U		0.1	U		0.095	U		0.093	U	
1,2,4-TRICHLOROBENZENE		0.21	U		0.23	U		0.22	U		0.22	U	
1,2,4-TRIMETHYLBENZENE		0.09	U		0.1	U		0.095	U		0.093	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.49	U		0.55	U		0.52	U		0.51	U	
1,2-DIBROMOETHANE		0.22	U		0.25	U		0.23	U		0.23	U	
1,2-DICHLOROBENZENE		0.13	U		0.15	U		0.14	U		0.14	U	
1,2-DICHLOROETHANE		0.069	U		0.077	U		0.073	U		0.072	U	
1,2-DICHLOROPROPANE		0.22	U		0.25	U		0.23	U		0.23	U	
1,3-DICHLOROBENZENE		0.21	U		0.23	U		0.22	U		0.22	U	
1,3-DICHLOROPROPANE		0.16	U		0.18	U		0.17	U		0.16	U	
1,4-DICHLOROBENZENE		0.28	U		0.32	U		0.3	U		0.29	U	
2,2-DICHLOROPROPANE		0.36	U		0.4	U		0.38	U		0.37	U	
2-BUTANONE		0.51	U		0.57	U		0.53	U		0.52	U	
2-CHLOROETHYL VINYL ETHER		0.54	U		0.6	U		0.57	U		0.56	U	
2-CHLOROTOLUENE		0.28	U		0.32	U		0.3	U		0.29	U	
2-HEXANONE		0.58	U		0.65	U		0.61	U		0.6	U	
4-CHLOROTOLUENE		0.18	U		0.2	U		0.19	U		0.19	U	
4-ISOPROPYLTOLUENE		0.17	U		0.19	U		0.18	U		0.18	U	
4-METHYL-2-PENTANONE		0.39	U		0.43	U		0.41	U		0.4	U	
ACETONE		1.6	UJ	C	1.8	J	CP	1.7	UJ	C	1.6	UJ	C
BENZENE		0.062	U		0.07	U		0.066	U		0.065	U	
BROMOBENZENE		0.09	U		0.1	U		0.095	U		0.093	U	
BROMOCHLOROMETHANE		0.49	U		0.54	U		0.51	U		0.5	U	
BROMODICHLOROMETHANE		0.26	U		0.29	U		0.28	U		0.27	U	
BROMOFORM		0.42	U		0.47	U		0.45	U		0.44	U	
BROMOMETHANE		0.35	U		0.39	U		0.37	U		0.37	U	

PROJ_NO: 07835	NSAMPLE	DR-TG3N-050516			DR-TG3S-050516			DR-TL17N-050516			DR-TL17S-050516		
SDG: 240-64249-1	LAB_ID	240-64493-6			240-64493-5			240-64493-12			240-64493-11		
FRACTION: OV	SAMP_DATE	5/5/2016			5/5/2016			5/5/2016			5/5/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	54.4			63.7			61.8			69.4		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.65	U		0.38	U		0.41	U		0.3	U	
1,1,1-TRICHLOROETHANE		0.36	U		0.21	U		0.22	U		0.17	U	
1,1,2,2-TETRACHLOROETHANE		0.33	U		0.2	U		0.21	U		0.16	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.56	U		0.33	U		0.35	U		0.26	U	
1,1-DICHLOROETHANE		0.47	U		0.27	U		0.29	U		0.22	U	
1,1-DICHLOROETHENE		0.4	U		0.24	U		0.25	U		0.19	U	
1,1-DICHLOROPROPENE		0.51	U		0.3	U		0.32	U		0.24	U	
1,2,3-TRICHLOROBENZENE		0.52	U		0.31	U		0.32	U		0.24	U	
1,2,3-TRICHLOROPROPANE		1.4	U		0.81	U		0.86	U		0.64	U	
1,2,3-TRIMETHYLBENZENE		0.17	U		0.1	U		0.11	U		0.081	U	
1,2,4-TRICHLOROBENZENE		0.4	U		0.24	U		0.25	U		0.19	U	
1,2,4-TRIMETHYLBENZENE		0.17	U		0.1	U		0.11	U		0.081	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.95	U		0.56	U		0.59	U		0.44	U	
1,2-DIBROMOETHANE		0.43	U		0.25	U		0.27	U		0.2	U	
1,2-DICHLOROBENZENE		0.25	U		0.15	U		0.16	U		0.12	U	
1,2-DICHLOROETHANE		0.13	U		0.078	U		0.083	U		0.062	U	
1,2-DICHLOROPROPANE		0.43	U		0.25	U		0.27	U		0.2	U	
1,3-DICHLOROBENZENE		0.4	U		0.24	U		0.25	U		0.19	U	
1,3-DICHLOROPROPANE		0.31	U		0.18	U		0.19	U		0.14	U	
1,4-DICHLOROBENZENE		0.55	U		0.32	U		0.34	U		0.25	U	
2,2-DICHLOROPROPANE		0.69	U		0.41	U		0.43	U		0.32	U	
2-BUTANONE		0.97	U		0.57	U		0.61	U		0.45	U	
2-CHLOROETHYL VINYL ETHER		1	U		0.61	U		0.65	UJ	C	0.48	UJ	C
2-CHLOROTOLUENE		0.55	U		0.32	U		0.34	U		0.25	U	
2-HEXANONE		1.1	U		0.66	U		0.7	U		0.52	U	
4-CHLOROTOLUENE		0.35	U		0.2	U		0.22	U		0.16	U	
4-ISOPROPYLTOLUENE		5.5			2.6			0.21	U		0.16	U	
4-METHYL-2-PENTANONE		0.75	U		0.44	U		0.47	U		0.35	U	
ACETONE		3.5	J	CP	2.7	J	CP	2	J	CP	1.5	J	CP
BENZENE		0.12	U		0.071	U		0.075	U		0.056	U	
BROMOBENZENE		0.17	U		0.1	U		0.11	U		0.081	U	
BROMOCHLOROMETHANE		0.93	U		0.55	U		0.58	U		0.43	U	
BROMODICHLOROMETHANE		0.51	U		0.3	U		0.32	U		0.24	U	
BROMOFORM		0.81	U		0.48	U		0.51	U		0.38	U	
BROMOMETHANE		0.68	U		0.4	U		0.42	U		0.32	U	

PROJ_NO: 07835	NSAMPLE	DR-TL5N-050516			DR-TL5S-050516			DR-TL7N-050516			DR-TL7S-050516		
SDG: 240-64249-1	LAB_ID	240-64493-14			240-64493-13			240-64493-10			240-64493-9		
FRACTION: OV	SAMP_DATE	5/5/2016			5/5/2016			5/5/2016			5/5/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	58.9			53.8			61.2			51.2		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.4	U		0.42	U		0.41	U		0.43	U	
1,1,1-TRICHLOROETHANE		0.22	U		0.23	U		0.23	U		0.24	U	
1,1,2,2-TETRACHLOROETHANE		0.21	U		0.21	U		0.21	U		0.22	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.35	U		0.36	U		0.35	U		0.37	U	
1,1-DICHLOROETHANE		0.29	U		0.3	U		0.29	U		0.31	U	
1,1-DICHLOROETHENE		0.25	U		0.26	U		0.25	U		0.26	U	
1,1-DICHLOROPROPENE		0.31	U		0.32	U		0.32	U		0.34	U	
1,2,3-TRICHLOROBENZENE		0.32	U		0.33	U		0.33	U		0.34	U	
1,2,3-TRICHLOROPROPANE		0.85	U		0.88	U		0.87	U		0.91	U	
1,2,3-TRIMETHYLBENZENE		0.11	U		0.11	U		0.11	U		0.11	U	
1,2,4-TRICHLOROBENZENE		0.25	U		0.26	U		0.25	U		0.26	U	
1,2,4-TRIMETHYLBENZENE		0.11	U		0.11	U		0.11	U		0.11	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.58	U		0.61	U		0.6	U		0.63	U	
1,2-DIBROMOETHANE		0.26	U		0.27	U		0.27	U		0.28	U	
1,2-DICHLOROBENZENE		0.16	U		0.16	U		0.16	U		0.17	U	
1,2-DICHLOROETHANE		0.082	U		0.085	U		0.084	U		0.088	U	
1,2-DICHLOROPROPANE		0.26	U		0.27	U		0.27	U		0.28	U	
1,3-DICHLOROBENZENE		0.25	U		0.26	U		0.25	U		0.26	U	
1,3-DICHLOROPROPANE		0.19	U		0.2	U		0.19	U		0.2	U	
1,4-DICHLOROBENZENE		0.34	U		0.35	U		0.35	U		0.36	U	
2,2-DICHLOROPROPANE		0.43	U		0.44	U		0.44	U		0.46	U	
2-BUTANONE		0.6	U		0.62	U		0.61	U		0.64	U	
2-CHLOROETHYL VINYL ETHER		0.64	UJ	C	0.67	UJ	C	0.66	U		0.69	U	
2-CHLOROTOLUENE		0.34	U		0.35	U		0.35	U		0.36	U	
2-HEXANONE		0.69	U		0.72	U		0.71	U		0.74	U	
4-CHLOROTOLUENE		0.21	U		0.22	U		0.22	U		0.23	U	
4-ISOPROPYLTOLUENE		0.21	U		0.21	U		0.21	U		0.22	U	
4-METHYL-2-PENTANONE		0.46	U		0.48	U		0.47	U		0.49	U	
ACETONE		1.9	J	CP	1.9	J	CP	1.9	UJ	C	2	UJ	C
BENZENE		0.074	U		0.077	U		0.076	U		0.079	U	
BROMOBENZENE		0.11	U		0.11	U		0.11	U		0.11	U	
BROMOCHLOROMETHANE		0.58	U		0.6	U		0.59	U		0.62	U	
BROMODICHLOROMETHANE		0.31	U		0.32	U		0.32	U		0.34	U	
BROMOFORM		0.5	U		0.52	U		0.51	U		0.54	U	
BROMOMETHANE		0.42	U		0.44	U		0.43	U		0.45	U	

PROJ_NO: 07835	NSAMPLE	DR-TL8N-050516			DR-TL8S-050516			DR-TS10-042816			DR-TS1-042816		
SDG: 240-64249-1	LAB_ID	240-64493-7			240-64493-8			240-64249-10			240-64249-1		
FRACTION: OV	SAMP_DATE	5/5/2016			5/5/2016			4/28/2016			4/28/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	56.5			60.5			62.0			52.6		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.33	U		0.35	U		0.4	U		1.3	U	
1,1,1-TRICHLOROETHANE		0.18	U		0.19	U		0.22	U		0.7	U	
1,1,2,2-TETRACHLOROETHANE		0.17	U		0.18	U		0.2	U		0.65	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.29	U		0.3	U		0.34	U		1.1	U	
1,1-DICHLOROETHANE		0.24	U		0.25	U		0.29	U		0.9	U	
1,1-DICHLOROETHENE		0.2	U		0.21	U		0.24	U		0.77	U	
1,1-DICHLOROPROPENE		0.26	U		0.27	U		0.31	U		0.98	U	
1,2,3-TRICHLOROBENZENE		0.27	U		0.28	U		0.32	U		1	U	
1,2,3-TRICHLOROPROPANE		0.7	U		0.73	U		0.84	U		2.7	U	
1,2,3-TRIMETHYLBENZENE		0.089	U		0.092	U		0.11	U		0.34	U	
1,2,4-TRICHLOROBENZENE		0.2	U		0.21	U		0.24	U		0.77	U	
1,2,4-TRIMETHYLBENZENE		0.089	U		0.092	U		0.11	U		0.34	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.48	U		0.5	U		0.58	UJ	C	1.8	UJ	C
1,2-DIBROMOETHANE		0.22	U		0.23	U		0.26	U		0.83	U	
1,2-DICHLOROBENZENE		0.13	U		0.14	U		0.15	U		0.49	U	
1,2-DICHLOROETHANE		0.068	U		0.071	U		0.081	U		0.26	U	
1,2-DICHLOROPROPANE		0.22	U		0.23	U		0.26	U		0.83	U	
1,3-DICHLOROBENZENE		0.2	U		0.21	U		0.24	U		0.77	U	
1,3-DICHLOROPROPANE		0.16	U		0.16	U		0.19	U		0.59	U	
1,4-DICHLOROBENZENE		0.28	U		0.29	U		0.33	U		1.1	U	
2,2-DICHLOROPROPANE		0.36	U		0.37	U		0.42	U		1.3	U	
2-BUTANONE		0.5	U		0.52	U		0.65	J	P	1.9	UJ	C
2-CHLOROETHYL VINYL ETHER		0.53	U		0.55	U		0.64	UJ	C	2	U	
2-CHLOROTOLUENE		0.28	U		0.29	U		0.33	U		1.1	U	
2-HEXANONE		0.57	U		0.6	U		0.68	U		2.2	U	
4-CHLOROTOLUENE		0.18	U		0.18	U		0.21	U		0.67	U	
4-ISOPROPYLTOLUENE		0.69	J	P	0.28	J	P	0.2	U		3.6	J	P
4-METHYL-2-PENTANONE		0.38	U		0.4	U		0.46	U		1.4	U	
ACETONE		1.5	UJ	C	1.6	UJ	C	1.8	U		5.8	UJ	C
BENZENE		0.061	U		0.064	U		0.073	U		0.23	U	
BROMOBENZENE		0.089	U		0.092	U		0.11	U		0.34	U	
BROMOCHLOROMETHANE		0.48	U		0.5	U		0.57	U		1.8	U	
BROMODICHLOROMETHANE		0.26	U		0.27	U		0.31	U		0.98	U	
BROMOFORM		0.42	U		0.43	U		0.5	UJ	C	1.6	U	
BROMOMETHANE		0.35	U		0.36	U		0.42	U		1.3	U	

PROJ_NO: 07835	NSAMPLE	DR-TS11-042816			DR-TS12-042816			DR-TS2-042816			DR-TS3-042816		
SDG: 240-64249-1	LAB_ID	240-64249-11			240-64249-12			240-64249-2			240-64249-3		
FRACTION: OV	SAMP_DATE	4/28/2016			4/28/2016			4/28/2016			4/28/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	89.3			88.7			74.0			65.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.23	U		0.27	U		0.67	U		0.35	U	
1,1,1-TRICHLOROETHANE		0.13	U		0.15	U		0.37	U		0.19	U	
1,1,2,2-TETRACHLOROETHANE		0.12	U		0.14	U		0.34	U		0.18	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.2	U		0.24	U		0.58	U		0.3	U	
1,1-DICHLOROETHANE		0.16	U		0.2	U		0.48	U		0.25	U	
1,1-DICHLOROETHENE		0.14	U		0.17	U		0.41	U		0.21	U	
1,1-DICHLOROPROPENE		0.18	U		0.21	U		0.52	U		0.27	U	
1,2,3-TRICHLOROBENZENE		0.18	U		0.22	U		0.54	U		0.28	U	
1,2,3-TRICHLOROPROPANE		0.49	U		0.58	U		1.4	U		0.73	U	
1,2,3-TRIMETHYLBENZENE		0.061	U		0.073	U		0.18	U		0.093	U	
1,2,4-TRICHLOROBENZENE		0.14	U		0.17	U		0.41	U		0.21	U	
1,2,4-TRIMETHYLBENZENE		0.061	U		0.073	U		0.18	U		0.093	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.33	UJ	C	0.4	UJ	C	0.97	UJ	C	0.51	UJ	C
1,2-DIBROMOETHANE		0.15	U		0.18	U		0.44	U		0.23	U	
1,2-DICHLOROBENZENE		0.089	U		0.11	U		0.26	U		0.14	U	
1,2-DICHLOROETHANE		0.047	U		0.056	U		0.14	U		0.071	U	
1,2-DICHLOROPROPANE		0.15	U		0.18	U		0.44	U		0.23	U	
1,3-DICHLOROBENZENE		0.14	U		0.17	U		0.41	U		0.21	U	
1,3-DICHLOROPROPANE		0.11	U		0.13	U		0.32	U		0.16	U	
1,4-DICHLOROBENZENE		0.19	U		0.23	U		0.56	U		0.29	U	
2,2-DICHLOROPROPANE		0.24	U		0.29	U		0.71	U		0.37	U	
2-BUTANONE		0.34	UJ	C	0.41	UJ	C	1	UJ	C	0.52	UJ	C
2-CHLOROETHYL VINYL ETHER		0.37	U		0.44	U		1.1	U		0.56	U	
2-CHLOROTOLUENE		0.19	U		0.23	U		0.56	U		0.29	U	
2-HEXANONE		0.4	U		0.47	U		1.2	U		0.6	U	
4-CHLOROTOLUENE		0.12	U		0.15	U		0.36	U		0.19	U	
4-ISOPROPYLTOLUENE		0.19	J	P	0.14	J	P	0.34	U		0.18	U	
4-METHYL-2-PENTANONE		0.26	U		0.31	U		0.77	U		0.4	U	
ACETONE		1.1	UJ	C	1.3	UJ	C	3.1	UJ	C	1.6	UJ	C
BENZENE		0.042	U		0.05	U		0.12	U		0.064	U	
BROMOBENZENE		0.061	U		0.073	U		0.18	U		0.093	U	
BROMOCHLOROMETHANE		0.33	U		0.39	U		0.96	U		0.5	U	
BROMODICHLOROMETHANE		0.18	U		0.21	U		0.52	U		0.27	U	
BROMOFORM		0.29	U		0.34	U		0.84	U		0.43	U	
BROMOMETHANE		0.24	U		0.29	U		0.7	U		0.36	U	

PROJ_NO: 07835	NSAMPLE	DR-TS4-042816			DR-TS5-042816			DR-TS6-042816			DR-TS7-042816		
SDG: 240-64249-1	LAB_ID	240-64249-4			240-64249-5			240-64249-6			240-64249-7		
FRACTION: OV	SAMP_DATE	4/28/2016			4/28/2016			4/28/2016			4/28/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	74.8			63.8			62.9			83.4		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.32	U		0.38	U		0.29	U		0.28	U	
1,1,1-TRICHLOROETHANE		0.17	U		0.21	U		0.16	U		0.16	U	
1,1,2,2-TETRACHLOROETHANE		0.16	U		0.19	U		0.15	U		0.14	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.27	U		0.32	U		0.25	U		0.24	U	
1,1-DICHLOROETHANE		0.23	U		0.27	U		0.21	U		0.2	U	
1,1-DICHLOROETHENE		0.19	U		0.23	U		0.18	U		0.17	U	
1,1-DICHLOROPROPENE		0.25	U		0.29	U		0.23	U		0.22	U	
1,2,3-TRICHLOROBENZENE		0.25	U		0.3	U		0.23	U		0.22	U	
1,2,3-TRICHLOROPROPANE		0.67	U		0.79	U		0.61	U		0.59	U	
1,2,3-TRIMETHYLBENZENE		0.084	U		0.1	U		0.077	U		0.075	U	
1,2,4-TRICHLOROBENZENE		0.19	U		0.23	U		0.18	U		0.17	U	
1,2,4-TRIMETHYLBENZENE		0.084	U		0.1	U		0.077	U		0.075	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.46	UJ	C	0.55	UJ	C	0.42	UJ	C	0.41	UJ	C
1,2-DIBROMOETHANE		0.21	U		0.25	U		0.19	U		0.18	U	
1,2-DICHLOROBENZENE		0.12	U		0.15	U		0.11	U		0.11	U	
1,2-DICHLOROETHANE		0.065	U		0.077	U		0.059	U		0.057	U	
1,2-DICHLOROPROPANE		0.21	U		0.25	U		0.19	U		0.18	U	
1,3-DICHLOROBENZENE		0.19	U		0.23	U		0.18	U		0.17	U	
1,3-DICHLOROPROPANE		0.15	U		0.18	U		0.14	U		0.13	U	
1,4-DICHLOROBENZENE		0.27	U		0.32	U		0.24	U		0.24	U	
2,2-DICHLOROPROPANE		0.34	U		0.4	U		0.31	U		0.3	U	
2-BUTANONE		0.47	UJ	C	0.56	UJ	C	0.43	UJ	C	0.42	UJ	C
2-CHLOROETHYL VINYL ETHER		0.5	U		0.6	U		0.46	U		0.45	U	
2-CHLOROTOLUENE		0.27	U		0.32	U		0.24	U		0.24	U	
2-HEXANONE		0.54	U		0.65	U		0.5	U		0.48	U	
4-CHLOROTOLUENE		0.17	U		0.2	U		0.15	U		0.15	U	
4-ISOPROPYLTOLUENE		0.16	U		0.19	U		0.15	U		0.14	U	
4-METHYL-2-PENTANONE		0.36	U		0.43	U		0.33	U		0.32	U	
ACETONE		1.5	UJ	C	1.7	UJ	C	1.3	UJ	C	1.3	UJ	C
BENZENE		0.058	U		0.069	U		0.053	U		0.052	U	
BROMOBENZENE		0.084	U		0.1	U		0.077	U		0.075	U	
BROMOCHLOROMETHANE		0.45	U		0.54	U		0.41	U		0.4	U	
BROMODICHLOROMETHANE		0.25	U		0.29	U		0.23	U		0.22	U	
BROMOFORM		0.39	U		0.47	U		0.36	U		0.35	U	
BROMOMETHANE		0.33	U		0.39	U		0.3	U		0.29	U	

PROJ_NO: 07835	NSAMPLE	DR-TS8-042816			DR-TS9-042816		
SDG: 240-64249-1	LAB_ID	240-64249-8			240-64249-9		
FRACTION: OV	SAMP_DATE	4/28/2016			4/28/2016		
MEDIA: SOIL	QC_TYPE	NM			NM		
	UNITS	MG/KG			MG/KG		
	PCT_SOLIDS	82.4			82.7		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.3	U		0.31	U	
1,1,1-TRICHLOROETHANE		0.17	U		0.17	U	
1,1,2,2-TETRACHLOROETHANE		0.16	U		0.16	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.26	U		0.26	U	
1,1-DICHLOROETHANE		0.22	U		0.22	U	
1,1-DICHLOROETHENE		0.19	U		0.19	U	
1,1-DICHLOROPROPENE		0.24	U		0.24	U	
1,2,3-TRICHLOROBENZENE		0.24	U		0.24	U	
1,2,3-TRICHLOROPROPANE		0.64	U		0.64	U	
1,2,3-TRIMETHYLBENZENE		0.081	U		0.081	U	
1,2,4-TRICHLOROBENZENE		0.19	U		0.19	U	
1,2,4-TRIMETHYLBENZENE		0.081	U		0.081	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.44	UJ	C	0.44	UJ	C
1,2-DIBROMOETHANE		0.2	U		0.2	U	
1,2-DICHLOROBENZENE		0.12	U		0.12	U	
1,2-DICHLOROETHANE		0.062	U		0.063	U	
1,2-DICHLOROPROPANE		0.2	U		0.2	U	
1,3-DICHLOROBENZENE		0.19	U		0.19	U	
1,3-DICHLOROPROPANE		0.14	U		0.14	U	
1,4-DICHLOROBENZENE		0.25	U		0.26	U	
2,2-DICHLOROPROPANE		0.32	U		0.33	U	
2-BUTANONE		0.45	UJ	C	0.46	UJ	C
2-CHLOROETHYL VINYL ETHER		0.49	U		0.49	U	
2-CHLOROTOLUENE		0.25	U		0.26	U	
2-HEXANONE		0.52	U		0.53	U	
4-CHLOROTOLUENE		0.16	U		0.16	U	
4-ISOPROPYLTOLUENE		7.9			2.2		
4-METHYL-2-PENTANONE		0.35	U		0.35	U	
ACETONE		3.1	J	CP	1.7	J	CP
BENZENE		0.056	U		0.056	U	
BROMOBENZENE		0.081	U		0.081	U	
BROMOCHLOROMETHANE		0.44	U		0.44	U	
BROMODICHLOROMETHANE		0.24	U		0.24	U	
BROMOFORM		0.38	U		0.38	U	
BROMOMETHANE		0.32	U		0.32	U	

PROJ_NO: 07835	NSAMPLE	DR-TG1N-050516			DR-TG1S-050516			DR-TG2N-050516			DR-TG2S-050516		
SDG: 240-64249-1	LAB_ID	240-64493-2			240-64493-1			240-64493-4			240-64493-3		
FRACTION: OV	SAMP_DATE	5/5/2016			5/5/2016			5/5/2016			5/5/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	60.3			61.2			59.7			61.2		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.39	U		0.43	U		0.41	U		0.4	U	
CARBON TETRACHLORIDE		0.12	U		0.14	U		0.13	U		0.13	U	
CHLOROBENZENE		0.09	U		0.1	U		0.095	U		0.093	U	
CHLORODIBROMOMETHANE		0.14	U		0.15	U		0.15	U		0.14	U	
CHLORODIFLUOROMETHANE		1.7	UJ	Q	1.9	UJ	Q	1.8	UJ	Q	1.8	UJ	Q
CHLOROETHANE		0.35	U		0.39	U		0.37	U		0.37	U	
CHLOROFORM		0.25	U		0.28	U		0.26	U		0.26	U	
CHLOROMETHANE		0.33	U		0.37	U		0.35	U		0.34	U	
CIS-1,2-DICHLOROETHENE		0.26	U		0.29	U		0.28	U		0.27	U	
CIS-1,3-DICHLOROPROPENE		0.15	U		0.17	U		0.16	U		0.16	U	
DIBROMOMETHANE		0.35	U		0.39	U		0.37	U		0.36	U	
DICHLORODIFLUOROMETHANE		0.42	U		0.47	U		0.45	U		0.44	U	
DIISOPROPYL ETHER		0.36	U		0.4	U		0.38	U		0.37	U	
ETHYL TERT-BUTYL ETHER		0.11	UJ	C	0.12	UJ	C	0.12	UJ	C	0.11	UJ	C
ETHYLBENZENE		0.24	U		0.27	U		0.26	U		0.25	U	
HEXACHLOROBUTADIENE		0.31	U		0.34	U		0.32	U		0.32	U	
ISOPROPYLBENZENE		0.09	U		0.1	U		0.095	U		0.093	U	
M+P-XYLENES		0.14	U		0.15	U		0.15	U		0.14	U	
METHYL TERT-BUTYL ETHER		0.21	U		0.23	U		0.22	U		0.22	U	
METHYLENE CHLORIDE		0.59	U		0.66	U		0.62	U		0.61	U	
NAPHTHALENE		0.18	U		0.2	U		0.19	U		0.19	U	
N-BUTYLBENZENE		0.15	U		0.16	U		0.15	U		0.15	U	
N-PROPYLBENZENE		0.42	U		0.47	U		0.45	U		0.44	U	
O-XYLENE		0.12	U		0.13	U		0.12	U		0.12	U	
SEC-BUTYLBENZENE		0.11	U		0.12	U		0.12	U		0.11	U	
STYRENE		0.19	U		0.21	U		0.2	U		0.19	U	
TERT-AMYL METHYL ETHER		0.29	U		0.33	U		0.31	U		0.3	U	
TERT-BUTYLBENZENE		0.24	U		0.26	U		0.25	U		0.24	U	
TERTIARY-BUTYL ALCOHOL		5.8	UJ	E	6.5	UJ	E	6.1	UJ	E	6	UJ	E
TETRACHLOROETHENE		0.19	U		0.21	U		0.2	U		0.19	U	
TOLUENE		0.1	U	A	0.11	U	A	0.1	U	A	0.093	U	A
TOTAL XYLENES		0.22	U		0.25	U		0.23	U		0.23	U	
TRANS-1,2-DICHLOROETHENE		0.18	U		0.2	U		0.19	U		0.19	U	
TRANS-1,3-DICHLOROPROPENE		0.18	U		0.2	U		0.19	U		0.19	U	
TRICHLOROETHENE		0.27	U		0.3	U		0.29	U		0.28	U	

PROJ_NO: 07835	NSAMPLE	DR-TG3N-050516			DR-TG3S-050516			DR-TL17N-050516			DR-TL17S-050516		
SDG: 240-64249-1	LAB_ID	240-64493-6			240-64493-5			240-64493-12			240-64493-11		
FRACTION: OV	SAMP_DATE	5/5/2016			5/5/2016			5/5/2016			5/5/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	54.4			63.7			61.8			69.4		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.75	U		0.44	U		0.47	U		0.35	U	
CARBON TETRACHLORIDE		0.24	U		0.14	U		0.15	U		0.11	U	
CHLOROBENZENE		0.17	U		0.1	U		0.11	U		0.081	U	
CHLORODIBROMOMETHANE		0.27	U		0.16	U		0.17	U		0.12	U	
CHLORODIFLUOROMETHANE		3.3	UJ	Q	2	UJ	Q	2.1	UJ	Q	1.6	UJ	Q
CHLOROETHANE		0.68	U		0.4	U		0.42	U		0.32	U	
CHLOROFORM		0.48	U		0.28	U		0.3	U		0.22	U	
CHLOROMETHANE		0.64	U		0.38	U		0.4	U		0.3	U	
CIS-1,2-DICHLOROETHENE		0.51	U		0.3	U		0.32	U		0.24	U	
CIS-1,3-DICHLOROPROPENE		0.29	U		0.17	U		0.18	U		0.14	U	
DIBROMOMETHANE		0.67	U		0.39	U		0.42	U		0.31	U	
DICHLORODIFLUOROMETHANE		0.81	U		0.48	U		0.51	U		0.38	U	
DIISOPROPYL ETHER		0.69	U		0.41	U		0.43	U		0.32	U	
ETHYL TERT-BUTYL ETHER		0.21	UJ	C	0.13	UJ	C	0.13	UJ	C	0.099	UJ	C
ETHYLBENZENE		0.47	U		0.27	U		0.29	U		0.22	U	
HEXACHLOROBUTADIENE		0.59	U		0.34	U		0.37	U		0.27	U	
ISOPROPYLBENZENE		0.17	U		0.1	U		0.11	U		0.081	U	
M+P-XYLENES		0.27	U		0.16	U		0.17	U		0.12	U	
METHYL TERT-BUTYL ETHER		0.4	U		0.24	U		0.25	U		0.19	U	
METHYLENE CHLORIDE		1.1	U		0.67	U		0.71	U		0.53	U	
NAPHTHALENE		0.35	U		0.2	U		0.22	U		0.16	U	
N-BUTYLBENZENE		0.28	U		0.16	U		0.17	U		0.13	U	
N-PROPYLBENZENE		0.81	U		0.48	U		0.51	U		0.38	U	
O-XYLENE		0.23	U		0.13	U		0.14	U		0.11	U	
SEC-BUTYLBENZENE		0.21	U		0.13	U		0.13	U		0.099	U	
STYRENE		0.36	U		0.21	U		0.22	U		0.17	U	
TERT-AMYL METHYL ETHER		0.56	U		0.33	U		0.35	UJ	C	0.26	UJ	C
TERT-BUTYLBENZENE		0.45	U		0.27	U		0.28	U		0.21	U	
TERTIARY-BUTYL ALCOHOL		11	UJ	E	6.6	UJ	E	7	UJ	CE	5.2	UJ	CE
TETRACHLOROETHENE		0.36	U		0.21	U		0.22	U		0.17	U	
TOLUENE		0.19	U	A	0.13	U	A	0.16	U	A	0.12	U	A
TOTAL XYLENES		0.43	U		0.25	U		0.27	U		0.2	U	
TRANS-1,2-DICHLOROETHENE		0.35	U		0.2	U		0.22	U		0.16	U	
TRANS-1,3-DICHLOROPROPENE		0.35	U		0.2	U		0.22	U		0.16	U	
TRICHLOROETHENE		0.52	U		0.31	U		0.32	U		0.24	U	

PROJ_NO: 07835	NSAMPLE	DR-TL5N-050516			DR-TL5S-050516			DR-TL7N-050516			DR-TL7S-050516		
SDG: 240-64249-1	LAB_ID	240-64493-14			240-64493-13			240-64493-10			240-64493-9		
FRACTION: OV	SAMP_DATE	5/5/2016			5/5/2016			5/5/2016			5/5/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	58.9			53.8			61.2			51.2		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.46	U		0.48	U		0.47	U		0.49	U	
CARBON TETRACHLORIDE		0.15	U		0.15	U		0.15	U		0.16	U	
CHLOROBENZENE		0.11	U		0.11	U		0.11	U		0.11	U	
CHLORODIBROMOMETHANE		0.16	U		0.17	U		0.17	U		0.18	U	
CHLORODIFLUOROMETHANE		2.1	UJ	Q	2.1	UJ	Q	2.1	UJ	Q	2.2	UJ	Q
CHLOROETHANE		0.42	U		0.44	U		0.43	U		0.45	U	
CHLOROFORM		0.3	U		0.31	U		0.3	U		0.32	U	
CHLOROMETHANE		0.39	U		0.41	U		0.4	U		0.42	U	
CIS-1,2-DICHLOROETHENE		0.31	U		0.32	U		0.32	U		0.34	U	
CIS-1,3-DICHLOROPROPENE		0.18	U		0.19	U		0.19	U		0.19	U	
DIBROMOMETHANE		0.41	U		0.43	U		0.42	U		0.44	U	
DICHLORODIFLUOROMETHANE		0.5	U		0.52	U		0.51	U		0.54	U	
DIISOPROPYL ETHER		0.43	U		0.44	U		0.44	U		0.46	U	
ETHYL TERT-BUTYL ETHER		0.13	UJ	C	0.14	UJ	C	0.13	UJ	C	0.14	UJ	C
ETHYLBENZENE		0.29	U		0.3	U		0.29	U		0.31	U	
HEXACHLOROBUTADIENE		0.36	U		0.38	U		0.37	U		0.39	U	
ISOPROPYLBENZENE		0.11	U		0.11	U		0.11	U		0.11	U	
M+P-XYLENES		0.16	U		0.17	U		0.17	U		0.18	U	
METHYL TERT-BUTYL ETHER		0.25	U		0.26	U		0.25	U		0.26	U	
METHYLENE CHLORIDE		0.7	U		0.73	U		0.72	U		0.75	U	
NAPHTHALENE		0.21	U		0.22	U		0.22	U		0.23	U	
N-BUTYLBENZENE		0.17	U		0.18	U		0.18	U		0.19	U	
N-PROPYLBENZENE		0.5	U		0.52	U		0.51	U		0.54	U	
O-XYLENE		0.14	U		0.15	U		0.14	U		0.15	U	
SEC-BUTYLBENZENE		0.13	U		0.14	U		0.13	U		0.14	U	
STYRENE		0.22	U		0.23	U		0.23	U		0.24	U	
TERT-AMYL METHYL ETHER		0.35	UJ	C	0.36	UJ	C	0.35	U		0.37	U	
TERT-BUTYLBENZENE		0.28	U		0.29	U		0.29	U		0.3	U	
TERTIARY-BUTYL ALCOHOL		6.9	UJ	CE	7.1	UJ	CE	7	UJ	E	7.4	UJ	E
TETRACHLOROETHENE		0.22	U		0.23	U		0.23	U		0.24	U	
TOLUENE		0.18	U	A	0.19	U	A	0.11	U	A	0.12	U	A
TOTAL XYLENES		0.26	U		0.27	U		0.27	U		0.28	U	
TRANS-1,2-DICHLOROETHENE		0.21	U		0.22	U		0.22	U		0.23	U	
TRANS-1,3-DICHLOROPROPENE		0.21	U		0.22	U		0.22	U		0.23	U	
TRICHLOROETHENE		0.32	U		0.33	U		0.33	U		0.34	U	

PROJ_NO: 07835	NSAMPLE	DR-TL8N-050516			DR-TL8S-050516			DR-TS10-042816			DR-TS1-042816		
SDG: 240-64249-1	LAB_ID	240-64493-7			240-64493-8			240-64249-10			240-64249-1		
FRACTION: OV	SAMP_DATE	5/5/2016			5/5/2016			4/28/2016			4/28/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	56.5			60.5			62.0			52.6		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.38	U		0.4	U		0.46	U		1.4	U	
CARBON TETRACHLORIDE		0.12	U		0.13	U		0.15	U		0.46	U	
CHLOROBENZENE		0.089	U		0.092	U		0.11	U		0.34	U	
CHLORODIBROMOMETHANE		0.14	U		0.14	U		0.16	U		0.52	U	
CHLORODIFLUOROMETHANE		1.7	UJ	Q	1.8	UJ	Q	2	UJ	Q	6.5	UJ	Q
CHLOROETHANE		0.35	U		0.36	U		0.42	U		1.3	U	
CHLOROFORM		0.25	U		0.26	U		0.29	U		0.93	U	
CHLOROMETHANE		0.33	U		0.34	U		0.39	U		1.2	U	
CIS-1,2-DICHLOROETHENE		0.26	U		0.27	U		0.31	U		0.98	U	
CIS-1,3-DICHLOROPROPENE		0.15	U		0.16	U		0.18	U		0.57	U	
DIBROMOMETHANE		0.34	U		0.36	U		0.41	U		1.3	U	
DICHLORODIFLUOROMETHANE		0.42	U		0.43	U		0.5	U		1.6	U	
DIISOPROPYL ETHER		0.36	U		0.37	U		0.42	U		1.3	U	
ETHYL TERT-BUTYL ETHER		0.11	UJ	C	0.11	UJ	C	0.13	UJ	C	0.41	U	
ETHYLBENZENE		0.24	U		0.25	U		0.29	U		0.9	U	
HEXACHLOROBUTADIENE		0.3	U		0.31	U		0.36	U		1.1	U	
ISOPROPYLBENZENE		0.089	U		0.092	U		0.11	U		0.34	U	
M+P-XYLENES		0.14	U		0.14	U		0.16	U		0.52	U	
METHYL TERT-BUTYL ETHER		0.2	U		0.21	U		0.24	U		0.77	U	
METHYLENE CHLORIDE		0.58	U		0.6	U		0.69	U		2.2	U	
NAPHTHALENE		0.18	U		0.18	U		0.21	UJ	C	0.72	J	P
N-BUTYLBENZENE		0.14	U		0.15	U		0.17	U		0.54	U	
N-PROPYLBENZENE		0.42	U		0.43	U		0.5	U		1.6	U	
O-XYLENE		0.12	U		0.12	U		0.14	U		0.44	U	
SEC-BUTYLBENZENE		0.11	U		0.11	U		0.13	U		0.41	U	
STYRENE		0.18	U		0.19	U		0.22	U		0.7	U	
TERT-AMYL METHYL ETHER		0.29	U		0.3	U		0.34	UJ	C	1.1	U	
TERT-BUTYLBENZENE		0.23	U		0.24	U		0.28	U		0.88	U	
TERTIARY-BUTYL ALCOHOL		5.7	UJ	E	5.9	UJ	E	6.8	UJ	CE	22	UJ	E
TETRACHLOROETHENE		0.18	U		0.19	U		0.22	U		0.7	U	
TOLUENE		0.1	U	A	0.11	U	A	1.4	U	A	1	U	A
TOTAL XYLENES		0.22	U		0.23	U		0.26	U		0.83	U	
TRANS-1,2-DICHLOROETHENE		0.18	U		0.18	U		0.21	U		0.67	U	
TRANS-1,3-DICHLOROPROPENE		0.18	U		0.18	U		0.21	U		0.67	U	
TRICHLOROETHENE		0.27	U		0.28	U		0.32	U		1	U	

PROJ_NO: 07835	NSAMPLE	DR-TS11-042816			DR-TS12-042816			DR-TS2-042816			DR-TS3-042816		
SDG: 240-64249-1	LAB_ID	240-64249-11			240-64249-12			240-64249-2			240-64249-3		
FRACTION: OV	SAMP_DATE	4/28/2016			4/28/2016			4/28/2016			4/28/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	89.3			88.7			74.0			65.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.26	U		0.31	U		0.77	U		0.4	U	
CARBON TETRACHLORIDE		0.085	U		0.1	U		0.25	U		0.13	U	
CHLOROBENZENE		0.061	U		0.073	U		0.18	U		0.093	U	
CHLORODIBROMOMETHANE		0.094	U		0.11	U		0.27	U		0.14	U	
CHLORODIFLUOROMETHANE		1.2	UJ	Q	1.4	UJ	Q	3.4	UJ	Q	1.8	UJ	Q
CHLOROETHANE		0.24	U		0.29	U		0.7	U		0.36	U	
CHLOROFORM		0.17	U		0.2	U		0.49	U		0.26	U	
CHLOROMETHANE		0.23	U		0.27	U		0.66	U		0.34	U	
CIS-1,2-DICHLOROETHENE		0.18	U		0.21	U		0.52	U		0.27	U	
CIS-1,3-DICHLOROPROPENE		0.1	U		0.12	U		0.3	U		0.16	U	
DIBROMOMETHANE		0.24	U		0.28	U		0.69	U		0.36	U	
DICHLORODIFLUOROMETHANE		0.29	U		0.34	U		0.84	U		0.43	U	
DIISOPROPYL ETHER		0.24	U		0.29	U		0.71	U		0.37	U	
ETHYL TERT-BUTYL ETHER		0.075	U		0.09	U		0.22	U		0.11	U	
ETHYLBENZENE		0.16	U		0.2	U		0.48	U		0.25	U	
HEXACHLOROBUTADIENE		0.21	U		0.25	U		0.6	U		0.31	U	
ISOPROPYLBENZENE		0.061	U		0.073	U		0.18	U		0.093	U	
M+P-XYLENES		0.094	U		0.11	U		0.27	U		0.14	U	
METHYL TERT-BUTYL ETHER		0.14	U		0.17	U		0.41	U		0.21	U	
METHYLENE CHLORIDE		0.4	U		0.48	U		1.2	U		0.61	U	
NAPHTHALENE		0.12	U		0.15	U		0.36	U		0.21	J	P
N-BUTYLBENZENE		0.099	U		0.12	U		0.29	U		0.15	U	
N-PROPYLBENZENE		0.29	U		0.34	U		0.84	U		0.43	U	
O-XYLENE		0.08	U		0.095	U		0.23	U		0.12	U	
SEC-BUTYLBENZENE		0.075	U		0.09	U		0.22	U		0.11	U	
STYRENE		2.6			0.15	U		0.37	U		0.19	U	
TERT-AMYL METHYL ETHER		0.2	U		0.24	U		0.58	U		0.3	U	
TERT-BUTYLBENZENE		0.16	U		0.19	U		0.47	U		0.24	U	
TERTIARY-BUTYL ALCOHOL		3.9	UJ	E	4.7	UJ	E	11	UJ	DE	6	UJ	E
TETRACHLOROETHENE		0.13	U		0.15	U		0.37	U		0.19	U	
TOLUENE		0.56	U	A	0.73	U	A	0.73	U	A	0.79	U	A
TOTAL XYLENES		0.15	U		0.18	U		0.44	U		0.23	U	
TRANS-1,2-DICHLOROETHENE		0.12	U		0.15	U		0.36	U		0.19	U	
TRANS-1,3-DICHLOROPROPENE		0.12	U		0.15	U		0.36	U		0.19	U	
TRICHLOROETHENE		0.18	U		0.22	U		0.54	U		0.28	U	

PROJ_NO: 07835	NSAMPLE	DR-TS4-042816			DR-TS5-042816			DR-TS6-042816			DR-TS7-042816		
SDG: 240-64249-1	LAB_ID	240-64249-4			240-64249-5			240-64249-6			240-64249-7		
FRACTION: OV	SAMP_DATE	4/28/2016			4/28/2016			4/28/2016			4/28/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	74.8			63.8			62.9			83.4		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.36	U		0.43	U		0.33	U		0.32	U	
CARBON TETRACHLORIDE		0.12	U		0.14	U		0.11	U		0.1	U	
CHLOROBENZENE		0.084	U		0.1	U		0.077	U		0.075	U	
CHLORODIBROMOMETHANE		0.13	U		0.15	U		0.12	U		0.11	U	
CHLORODIFLUOROMETHANE		1.6	UJ	Q	1.9	UJ	Q	1.5	UJ	Q	1.4	UJ	Q
CHLOROETHANE		0.33	U		0.39	U		0.3	U		0.29	U	
CHLOROFORM		0.23	U		0.28	U		0.21	U		0.21	U	
CHLOROMETHANE		0.31	U		0.37	U		0.28	U		0.28	U	
CIS-1,2-DICHLOROETHENE		0.25	U		0.29	U		0.23	U		0.22	U	
CIS-1,3-DICHLOROPROPENE		0.14	U		0.17	U		0.13	U		0.13	U	
DIBROMOMETHANE		0.32	U		0.38	U		0.3	U		0.29	U	
DICHLORODIFLUOROMETHANE		0.39	U		0.47	U		0.36	U		0.35	U	
DIISOPROPYL ETHER		0.34	U		0.4	U		0.31	U		0.3	U	
ETHYL TERT-BUTYL ETHER		0.1	U		0.12	U		0.095	U		0.092	U	
ETHYLBENZENE		0.23	U		0.27	U		0.21	U		0.2	U	
HEXACHLOROBUTADIENE		0.28	U		0.34	U		0.26	U		0.25	U	
ISOPROPYLBENZENE		0.084	U		0.1	U		0.077	U		0.075	U	
M+P-XYLENES		0.13	U		0.15	U		0.12	U		0.11	U	
METHYL TERT-BUTYL ETHER		0.19	U		0.23	U		0.18	U		0.17	U	
METHYLENE CHLORIDE		0.55	U		0.65	U		0.5	U		0.49	U	
NAPHTHALENE		0.17	U		0.2	U		0.15	U		0.15	U	
N-BUTYLBENZENE		0.14	U		0.16	U		0.12	U		0.12	U	
N-PROPYLBENZENE		0.39	U		0.47	U		0.36	U		0.35	U	
O-XYLENE		0.11	U		0.13	U		0.1	U		0.098	U	
SEC-BUTYLBENZENE		0.1	U		0.12	U		0.095	U		0.092	U	
STYRENE		0.17	U		0.21	U		0.16	U		0.2	J	P
TERT-AMYL METHYL ETHER		0.27	U		0.32	U		0.25	U		0.24	U	
TERT-BUTYLBENZENE		0.22	U		0.26	U		0.2	U		0.2	U	
TERTIARY-BUTYL ALCOHOL		5.4	UJ	E	6.4	UJ	E	5	UJ	E	4.8	UJ	E
TETRACHLOROETHENE		0.17	U		0.21	U		0.16	U		0.16	U	
TOLUENE		0.78	U	A	1	U	A	0.53	U	A	0.69	U	A
TOTAL XYLENES		0.21	U		0.25	U		0.19	U		0.18	U	
TRANS-1,2-DICHLOROETHENE		0.17	U		0.2	U		0.15	U		0.15	U	
TRANS-1,3-DICHLOROPROPENE		0.17	U		0.2	U		0.15	U		0.15	U	
TRICHLOROETHENE		0.25	U		0.3	U		0.23	U		0.22	U	

PROJ_NO: 07835	NSAMPLE	DR-TS8-042816			DR-TS9-042816		
SDG: 240-64249-1	LAB_ID	240-64249-8			240-64249-9		
FRACTION: OV	SAMP_DATE	4/28/2016			4/28/2016		
MEDIA: SOIL	QC_TYPE	NM			NM		
	UNITS	MG/KG			MG/KG		
	PCT_SOLIDS	82.4			82.7		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.35	U		0.35	U	
CARBON TETRACHLORIDE		0.11	U		0.11	U	
CHLOROBENZENE		0.081	U		0.081	U	
CHLORODIBROMOMETHANE		0.12	U		0.13	U	
CHLORODIFLUOROMETHANE		1.6	UJ	Q	1.6	UJ	Q
CHLOROETHANE		0.32	U		0.32	U	
CHLOROFORM		0.22	U		0.23	U	
CHLOROMETHANE		0.3	U		0.3	U	
CIS-1,2-DICHLOROETHENE		0.24	U		0.24	U	
CIS-1,3-DICHLOROPROPENE		0.14	U		0.14	U	
DIBROMOMETHANE		0.31	U		0.31	U	
DICHLORODIFLUOROMETHANE		0.38	U		0.38	U	
DIISOPROPYL ETHER		0.32	U		0.33	U	
ETHYL TERT-BUTYL ETHER		0.1	U		0.1	U	
ETHYLBENZENE		0.22	U		0.22	U	
HEXACHLOROBUTADIENE		0.27	U		0.28	U	
ISOPROPYLBENZENE		0.081	U		0.081	U	
M+P-XYLENES		0.12	U		0.13	U	
METHYL TERT-BUTYL ETHER		0.19	U		0.19	U	
METHYLENE CHLORIDE		0.53	U		0.53	U	
NAPHTHALENE		0.16	U		0.16	U	
N-BUTYLBENZENE		0.13	U		0.13	U	
N-PROPYLBENZENE		0.38	U		0.38	U	
O-XYLENE		0.11	U		0.11	U	
SEC-BUTYLBENZENE		0.1	U		0.1	U	
STYRENE		0.17	U		0.17	U	
TERT-AMYL METHYL ETHER		0.26	U		0.26	U	
TERT-BUTYLBENZENE		0.21	U		0.21	U	
TERTIARY-BUTYL ALCOHOL		5.2	UJ	E	5.2	UJ	E
TETRACHLOROETHENE		0.17	U		0.17	U	
TOLUENE		0.76	U	A	0.83	U	A
TOTAL XYLENES		0.2	U		0.2	U	
TRANS-1,2-DICHLOROETHENE		0.16	U		0.16	U	
TRANS-1,3-DICHLOROPROPENE		0.16	U		0.16	U	
TRICHLOROETHENE		0.24	U		0.24	U	

PROJ_NO: 07835	NSAMPLE	DR-TG1N-050516			DR-TG1S-050516			DR-TG2N-050516			DR-TG2S-050516		
SDG: 240-64249-1	LAB_ID	240-64493-2			240-64493-1			240-64493-4			240-64493-3		
FRACTION: OV	SAMP_DATE	5/5/2016			5/5/2016			5/5/2016			5/5/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	60.3			61.2			59.7			61.2		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.24	U		0.27	U		0.26	U		0.25	U	
VINYL ACETATE		0.71	U		0.8	U		0.75	U		0.74	U	
VINYL CHLORIDE		0.12	U		0.13	U		0.12	U		0.12	U	

PROJ_NO: 07835	NSAMPLE	DR-TG3N-050516			DR-TG3S-050516			DR-TL17N-050516			DR-TL17S-050516		
SDG: 240-64249-1	LAB_ID	240-64493-6			240-64493-5			240-64493-12			240-64493-11		
FRACTION: OV	SAMP_DATE	5/5/2016			5/5/2016			5/5/2016			5/5/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	54.4			63.7			61.8			69.4		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.47	U		0.27	U		0.29	U		0.22	U	
VINYL ACETATE		1.4	U		0.81	U		0.86	U		0.64	U	
VINYL CHLORIDE		0.23	U		0.13	U		0.14	U		0.11	U	

PROJ_NO: 07835	NSAMPLE	DR-TL5N-050516			DR-TL5S-050516			DR-TL7N-050516			DR-TL7S-050516		
SDG: 240-64249-1	LAB_ID	240-64493-14			240-64493-13			240-64493-10			240-64493-9		
FRACTION: OV	SAMP_DATE	5/5/2016			5/5/2016			5/5/2016			5/5/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	58.9			53.8			61.2			51.2		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.29	U		0.3	U		0.29	U		0.31	U	
VINYL ACETATE		0.85	U		0.88	U		0.87	U		0.91	U	
VINYL CHLORIDE		0.14	U		0.15	U		0.14	U		0.15	U	

PROJ_NO: 07835	NSAMPLE	DR-TL8N-050516			DR-TL8S-050516			DR-TS10-042816			DR-TS1-042816		
SDG: 240-64249-1	LAB_ID	240-64493-7			240-64493-8			240-64249-10			240-64249-1		
FRACTION: OV	SAMP_DATE	5/5/2016			5/5/2016			4/28/2016			4/28/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	56.5			60.5			62.0			52.6		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.24	U		0.25	U		0.29	U		0.9	U	
VINYL ACETATE		0.7	U		0.73	U		0.84	UJ	E	2.7	UJ	E
VINYL CHLORIDE		0.12	U		0.12	U		0.14	U		0.44	U	

PROJ_NO: 07835	NSAMPLE	DR-TS11-042816			DR-TS12-042816			DR-TS2-042816			DR-TS3-042816		
SDG: 240-64249-1	LAB_ID	240-64249-11			240-64249-12			240-64249-2			240-64249-3		
FRACTION: OV	SAMP_DATE	4/28/2016			4/28/2016			4/28/2016			4/28/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	89.3			88.7			74.0			65.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.16	U		0.2	U		0.48	U		0.25	U	
VINYL ACETATE		0.49	UJ	E	0.58	UJ	E	1.4	UJ	DE	0.73	UJ	E
VINYL CHLORIDE		0.08	U		0.095	U		0.23	U		0.12	U	

PROJ_NO: 07835	NSAMPLE	DR-TS4-042816			DR-TS5-042816			DR-TS6-042816			DR-TS7-042816		
SDG: 240-64249-1	LAB_ID	240-64249-4			240-64249-5			240-64249-6			240-64249-7		
FRACTION: OV	SAMP_DATE	4/28/2016			4/28/2016			4/28/2016			4/28/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	74.8			63.8			62.9			83.4		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.23	U		0.27	U		0.21	U		0.2	U	
VINYL ACETATE		0.67	UJ	E	0.79	UJ	E	0.61	UJ	E	0.59	UJ	E
VINYL CHLORIDE		0.11	U		0.13	U		0.1	U		0.098	U	

PROJ_NO: 07835	NSAMPLE	DR-TS8-042816			DR-TS9-042816		
SDG: 240-64249-1	LAB_ID	240-64249-8			240-64249-9		
FRACTION: OV	SAMP_DATE	4/28/2016			4/28/2016		
MEDIA: SOIL	QC_TYPE	NM			NM		
	UNITS	MG/KG			MG/KG		
	PCT_SOLIDS	82.4			82.7		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.22	U		0.22	U	
VINYL ACETATE		0.64	UJ	E	0.64	UJ	E
VINYL CHLORIDE		0.11	U		0.11	U	

PROJ_NO: 07835	NSAMPLE	TB-042816			TB-050516		
SDG: 240-64249-1	LAB_ID	240-64249-13			240-64493-15		
FRACTION: TICOV	SAMP_DATE	4/28/2016			5/5/2016		
MEDIA: WATER	QC_TYPE	NM			NM		
	UNITS	UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
ISOBUTANE		1.8	NJ	Z1	1.1	NJ	Z1

PROJ_NO: 07835	NSAMPLE	DR-TG3N-050516			DR-TG3S-050516			DR-TG3S-050516A			DR-TL17S-050516		
SDG: 240-64249-1	LAB_ID	240-64493-6			240-64493-5			240-64493-5			240-64493-11		
FRACTION: TICOV	SAMP_DATE	5/5/2016			5/5/2016			5/5/2016			5/5/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	54.4			63.7			63.7			69.4		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
.ALPHA.-PINENE		1500	NJ	Z1									
.BETA.-PINENE		980	NJ	Z1									
1,3-CYCLOHEXADIENE, 1-METHYL-4-(1-METHYL		3.8	NJ	Z1									
1,4-CYCLOHEXADIENE, 1-METHYL-4-(1-METHYL					2.3	NJ	Z1						
1R-.ALPHA.-PINENE					920	NJ	Z1						
3-CARENE					630	NJ	Z1						
ACETIC ACID, METHYL ESTER													
BENZENE, 1-METHYL-3-(1-METHYLETHYL)-		3.6	NJ	Z1	3	NJ	Z1	2.8	NJ	Z1			
BENZENE, 1-METHYL-3-(1-METHYLETHYL)- [9.51]					2.8	NJ	Z1						
BENZENE, 1-METHYL-3-(1-METHYLETHYL)- [9.68]					3	NJ	Z1						
BICYCLO[2.2.1]HEPTANE, 7,7-DIMETHYL-2-ME		3.8	NJ	Z1									
BICYCLO[3.1.0]HEX-2-ENE, 2-METHYL-5-(1-M													
CAMPHENE		83	NJ	Z1	56	NJ	Z1						
CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHYLID		17	NJ	Z1	7.6	NJ	Z1						
D-LIMONENE		82	NJ	Z1	47	NJ	Z1						
HEXANAL													
LIMONENE													
TRICYCLO[2.2.1.02,6]HEPTANE, 1,7,7-TRIME		6.2	NJ	Z1	3.6	NJ	Z1						
UNKNOWN											1.6	NJ	Z1

PROJ_NO: 07835	NSAMPLE	DR-TL5N-050516			DR-TL5S-050516			DR-TS10-042816			DR-TS1-042816		
SDG: 240-64249-1	LAB_ID	240-64493-14			240-64493-13			240-64249-10			240-64249-1		
FRACTION: TICOV	SAMP_DATE	5/5/2016			5/5/2016			4/28/2016			4/28/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	58.9			53.8			62.0			52.6		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
.ALPHA.-PINENE											410	NJ	Z1
.BETA.-PINENE											300	NJ	Z1
1,3-CYCLOHEXADIENE, 1-METHYL-4-(1-METHYL													
1,4-CYCLOHEXADIENE, 1-METHYL-4-(1-METHYL													
1R-.ALPHA.-PINENE													
3-CARENE													
ACETIC ACID, METHYL ESTER		4.4	NJ	Z1	9	NJ	Z1	4.7	NJ	Z1			
BENZENE, 1-METHYL-3-(1-METHYLETHYL)-													
BENZENE, 1-METHYL-3-(1-METHYLETHYL)- [9.51]													
BENZENE, 1-METHYL-3-(1-METHYLETHYL)- [9.68]													
BICYCLO[2.2.1]HEPTANE, 7,7-DIMETHYL-2-ME													
BICYCLO[3.1.0]HEX-2-ENE, 2-METHYL-5-(1-M													
CAMPHENE											35	NJ	Z1
CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHYLID													
D-LIMONENE											19	NJ	Z1
HEXANAL													
LIMONENE													
TRICYCLO[2.2.1.02,6]HEPTANE, 1,7,7-TRIME													
UNKNOWN													

PROJ_NO: 07835	NSAMPLE	DR-TS4-042816			DR-TS5-042816			DR-TS6-042816			DR-TS7-042816		
SDG: 240-64249-1	LAB_ID	240-64249-4			240-64249-5			240-64249-6			240-64249-7		
FRACTION: TICOV	SAMP_DATE	4/28/2016			4/28/2016			4/28/2016			4/28/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	74.8			63.8			62.9			83.4		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
.ALPHA.-PINENE													
.BETA.-PINENE													
1,3-CYCLOHEXADIENE, 1-METHYL-4-(1-METHYL													
1,4-CYCLOHEXADIENE, 1-METHYL-4-(1-METHYL													
1R-.ALPHA.-PINENE													
3-CARENE													
ACETIC ACID, METHYL ESTER		5.2	NJ	Z1	27	NJ	Z1	4.9	NJ	Z1	12	NJ	Z1
BENZENE, 1-METHYL-3-(1-METHYLETHYL)-													
BENZENE, 1-METHYL-3-(1-METHYLETHYL)- [9.51]													
BENZENE, 1-METHYL-3-(1-METHYLETHYL)- [9.68]													
BICYCLO[2.2.1]HEPTANE, 7,7-DIMETHYL-2-ME													
BICYCLO[3.1.0]HEX-2-ENE, 2-METHYL-5-(1-M													
CAMPHENE													
CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHYLID													
D-LIMONENE													
HEXANAL													
LIMONENE													
TRICYCLO[2.2.1.02,6]HEPTANE, 1,7,7-TRIME													
UNKNOWN													

PROJ_NO: 07835	NSAMPLE	DR-TS8-042816			DR-TS9-042816		
SDG: 240-64249-1	LAB_ID	240-64249-8			240-64249-9		
FRACTION: TICOV	SAMP_DATE	4/28/2016			4/28/2016		
MEDIA: SOIL	QC_TYPE	NM			NM		
	UNITS	MG/KG			MG/KG		
	PCT_SOLIDS	82.4			82.7		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
.ALPHA.-PINENE		730	NJ	Z1	84	NJ	Z1
.BETA.-PINENE		1200	NJ	Z1	92	NJ	Z1
1,3-CYCLOHEXADIENE, 1-METHYL-4-(1-METHYL		5.3	NJ	Z1			
1,4-CYCLOHEXADIENE, 1-METHYL-4-(1-METHYL		5.7	NJ	Z1			
1R-.ALPHA.-PINENE							
3-CARENE		10	NJ	Z1			
ACETIC ACID, METHYL ESTER							
BENZENE, 1-METHYL-3-(1-METHYLETHYL)-							
BENZENE, 1-METHYL-3-(1-METHYLETHYL)- [9.51]							
BENZENE, 1-METHYL-3-(1-METHYLETHYL)- [9.68]							
BICYCLO[2.2.1]HEPTANE, 7,7-DIMETHYL-2-ME		1.6	NJ	Z1			
BICYCLO[3.1.0]HEX-2-ENE, 2-METHYL-5-(1-M		3.3	NJ	Z1			
CAMPHENE		110	NJ	Z1	6.9	NJ	Z1
CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHYLID		21	NJ	Z1			
D-LIMONENE							
HEXANAL		1.7	NJ	Z1	2.6	NJ	Z1
LIMONENE					4.4	NJ	Z1
TRICYCLO[2.2.1.02,6]HEPTANE, 1,7,7-TRIME							
UNKNOWN							

PROJ_NO: 07835	NSAMPLE	DR-TG1N-050516			DR-TG1S-050516			DR-TG2N-050516			DR-TG2S-050516		
SDG: 240-64249-1	LAB_ID	240-64493-2			240-64493-1			240-64493-4			240-64493-3		
FRACTION: M	SAMP_DATE	5/5/2016			5/5/2016			5/5/2016			5/5/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	60.3			61.2			59.7			61.2		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ANTIMONY		0.71	U		0.6	U		0.74	U		0.66	U	
ARSENIC		0.61	U		0.51	U		0.63	U		0.56	U	
BERYLLIUM		0.038	U		0.032	U		0.04	U		0.036	U	
CADMIUM		0.031	U		0.048	J	P	0.12	J	P	0.19	J	P
CHROMIUM		1.8			2.2			0.99	J	P	0.58	J	P
COPPER		1.9	J	P	3.5			1.8	J	P	2	J	P
LEAD		1.1	U	A	2.2			0.45	U	A	0.46	U	A
MERCURY		0.02	U		0.025	U		0.023	U		0.02	U	
NICKEL		1.4	J	P	1.3	J	P	0.99	J	P	0.89	J	P
SELENIUM		0.7	J	P	0.68	J	P	0.52	U		0.47	U	
SILVER		0.093	U		0.079	U		0.097	U		0.087	U	
THALLIUM		0.19	U		0.16	U		0.2	U		0.18	U	
ZINC		7	J	P	17			4.5	J	P	6.9		

PROJ_NO: 07835	NSAMPLE	DR-TG3N-050516			DR-TG3S-050516			DR-TL17N-050516			DR-TL17S-050516		
SDG: 240-64249-1	LAB_ID	240-64493-6			240-64493-5			240-64493-12			240-64493-11		
FRACTION: M	SAMP_DATE	5/5/2016			5/5/2016			5/5/2016			5/5/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	54.4			63.7			61.8			69.4		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ANTIMONY		0.76	U		0.57	U		0.72	U		0.66	U	
ARSENIC		0.65	U		0.48	U		0.61	U		0.56	U	
BERYLLIUM		0.041	U		0.031	U		0.039	U		0.036	U	
CADMIUM		3.3			3			0.095	J	P	0.073	J	P
CHROMIUM		0.48	J	P	0.5	J	P	3			0.44	J	P
COPPER		1.6	J	P	1.6	J	P	2.9	J	P	1.9	J	P
LEAD		0.49	U	A	0.2	U	A	0.26	U	A	0.03	U	
MERCURY		0.022	U		0.025	U		0.022	U		0.018	U	
NICKEL		0.32	J	P	0.36	J	P	1.6	J	P	0.39	J	P
SELENIUM		0.54	J	P	0.51	J	P	0.51	U		0.49	J	P
SILVER		0.13	J	P	0.074	U		0.094	U		0.086	U	
THALLIUM		0.21	U		0.15	U		0.19	U		0.18	U	
ZINC		26			18			5.6	J	P	3.5	J	P

PROJ_NO: 07835	NSAMPLE	DR-TL5N-050516			DR-TL5S-050516			DR-TL7N-050516			DR-TL7S-050516		
SDG: 240-64249-1	LAB_ID	240-64493-14			240-64493-13			240-64493-10			240-64493-9		
FRACTION: M	SAMP_DATE	5/5/2016			5/5/2016			5/5/2016			5/5/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	58.9			53.8			61.2			51.2		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ANTIMONY		0.7	U		0.74	U		0.67	U		0.79	U	
ARSENIC		0.6	U		0.63	U		0.57	U		0.68	U	
BERYLLIUM		0.038	U		0.04	U		0.036	U		0.043	U	
CADMIUM		0.03	U		0.033	U		0.06	J	P	0.063	J	P
CHROMIUM		0.64	J	P	0.78	J	P	2.3			0.27	J	P
COPPER		2.8	J	P	1.5	J	P	1.9	J	P	3.1	J	P
LEAD		0.27	U	A	0.53	U	A	0.29	U	A	0.17	U	A
MERCURY		0.021	U		0.024	U		0.024	U		0.024	U	
NICKEL		0.67	J	P	0.44	J	P	0.97	J	P	0.44	J	P
SELENIUM		0.49	U		0.53	U		0.71	J	P	0.56	U	
SILVER		0.091	U		0.098	U		0.088	U		0.1	U	
THALLIUM		0.19	U		0.2	U		0.18	U		0.22	U	
ZINC		9.5			13			6.5	J	P	4.7	J	P

PROJ_NO: 07835	NSAMPLE	DR-TL8N-050516			DR-TL8S-050516			DR-TS10-042816			DR-TS1-042816		
SDG: 240-64249-1	LAB_ID	240-64493-7			240-64493-8			240-64249-10			240-64249-1		
FRACTION: M	SAMP_DATE	5/5/2016			5/5/2016			4/28/2016			4/28/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	56.5			60.5			62.0			52.6		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ANTIMONY		0.73	U		0.59	U		0.7	U		0.9	U	
ARSENIC		0.63	U		0.51	U		0.6	U		0.77	U	
BERYLLIUM		0.04	U		0.032	U		0.038	U		0.049	U	
CADMIUM		0.1	J	P	0.035	J	P	0.03	U		0.33	J	P
CHROMIUM		5.6			1.5			0.49	J	P	0.41	J	P
COPPER		4.5			2.2	J	P	1.8	J	P	2.1	J	P
LEAD		0.27	U	A	0.11	U	A	1	U	A	0.29	U	A
MERCURY		0.024	U		0.022	U		0.022	U		0.028	U	
NICKEL		2.5	J	P	0.84	J	P	0.64	U	A	1.2	U	A
SELENIUM		0.52	U		0.63	J	P	0.49	U		0.64	U	
SILVER		0.096	U		0.078	U		0.091	U		0.12	U	
THALLIUM		0.2	U		0.16	U		0.19	U		0.24	U	
ZINC		18			11			6.4	J	P	8.7	J	P

PROJ_NO: 07835	NSAMPLE	DR-TS11-042816			DR-TS12-042816			DR-TS2-042816			DR-TS3-042816		
SDG: 240-64249-1	LAB_ID	240-64249-11			240-64249-12			240-64249-2			240-64249-3		
FRACTION: M	SAMP_DATE	4/28/2016			4/28/2016			4/28/2016			4/28/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	89.3			88.7			74.0			65.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ANTIMONY		0.5	U		0.5	U		0.59	U		0.74	U	
ARSENIC		0.53	J	P	0.59	J	P	0.57	J	P	0.74	J	P
BERYLLIUM		0.027	U		0.027	U		0.032	U		0.04	U	
CADMIUM		0.38	J	P	0.024	J	P	0.1	J	P	0.032	U	
CHROMIUM		0.51	J	P	0.18	J	P	0.77	J	P	0.28	J	P
COPPER		1.8	J	P	1.1	J	P	2.3	J	P	1.2	J	P
LEAD		0.81	U	A	0.51	U	A	4			0.83	U	A
MERCURY		0.017	U		0.017	U		0.02	U		0.02	U	
NICKEL		4.3			4.8			0.57	U	A	0.37	U	A
SELENIUM		0.36	U		0.42	J	P	0.43	J	P	0.52	U	
SILVER		0.066	U		0.066	U		0.077	U		0.097	U	
THALLIUM		0.14	U		0.14	U		0.16	U		0.2	U	
ZINC		9.1			5.5			4.9	J	P	1.6	J	P

PROJ_NO: 07835	NSAMPLE	DR-TS4-042816			DR-TS5-042816			DR-TS6-042816			DR-TS7-042816		
SDG: 240-64249-1	LAB_ID	240-64249-4			240-64249-5			240-64249-6			240-64249-7		
FRACTION: M	SAMP_DATE	4/28/2016			4/28/2016			4/28/2016			4/28/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	74.8			63.8			62.9			83.4		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ANTIMONY		0.58	U		0.73	U		0.73	U		0.54	U	
ARSENIC		0.5	U		0.62	U		0.63	U		0.55	J	P
BERYLLIUM		0.032	U		0.04	U		0.04	U		0.029	U	
CADMIUM		0.026	U		0.046	J	P	0.032	U		0.063	J	P
CHROMIUM		0.2	J	P	2.1			0.24	J	P	0.5	J	P
COPPER		0.85	J	P	1.9	J	P	1.6	J	P	1.9	J	P
LEAD		0.13	U	A	1.8			0.49	U	A	2.2		
MERCURY		0.019	U		0.021	U		0.023	U		0.018	U	
NICKEL		0.23	U	A	0.36	U	A	1.6	U	A	3.7	U	A
SELENIUM		0.41	U		0.52	U		0.61	J	P	0.49	J	P
SILVER		0.077	U		0.096	U		0.096	U		0.071	U	
THALLIUM		0.16	U		0.2	U		0.2	U		0.15	U	
ZINC		1.3	J	P	6.9	J	P	5.9	J	P	28		

PROJ_NO: 07835	NSAMPLE	DR-TS8-042816			DR-TS9-042816		
SDG: 240-64249-1	LAB_ID	240-64249-8			240-64249-9		
FRACTION: M	SAMP_DATE	4/28/2016			4/28/2016		
MEDIA: SOIL	QC_TYPE	NM			NM		
	UNITS	MG/KG			MG/KG		
	PCT_SOLIDS	82.4			82.7		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
ANTIMONY		0.58	U		0.54	U	
ARSENIC		0.54	J	P	0.46	U	
BERYLLIUM		0.032	U		0.029	U	
CADMIUM		0.44	J	P	0.45	J	P
CHROMIUM		1.1	J	P	0.96	J	P
COPPER		1.6	J	P	1.2	J	P
LEAD		0.81	U	A	0.93	U	A
MERCURY		0.02	U		0.018	U	
NICKEL		0.61	U	A	2.1	U	A
SELENIUM		0.41	U		0.46	J	P
SILVER		0.076	U		0.071	U	
THALLIUM		0.16	U		0.15	U	
ZINC		7.3			7.8		

Appendix B

Results as Reported by the Laboratory

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS1-042816 | Lab Sample ID: 240-64249-1

Matrix: Solid | Lab File ID: UX83591.D

Analysis Method: 8260B | Date Collected: 04/28/2016 08:30

Sample wt/vol: 1.39(g) | Date Analyzed: 05/10/2016 06:23

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 3.333

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 47.4 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.3	U	6.5	1.3
71-55-6	1,1,1-Trichloroethane	0.70	U	6.5	0.70
79-34-5	1,1,2,2-Tetrachloroethane	0.65	U	6.5	0.65
76-13-1	1,1,2-Trichlorotrifluoroethane	1.1	U	6.5	1.1
75-34-3	1,1-Dichloroethane	0.90	U	6.5	0.90
75-35-4	1,1-Dichloroethene	0.77	U	6.5	0.77
563-58-6	1,1-Dichloropropene	0.98	U	6.5	0.98
87-61-6	1,2,3-Trichlorobenzene	1.0	U	6.5	1.0
96-18-4	1,2,3-Trichloropropane	2.7	U	6.5	2.7
526-73-8	1,2,3-Trimethylbenzene	0.34	U	6.5	0.34
120-82-1	1,2,4-Trichlorobenzene	0.77	U	6.5	0.77
95-63-6	1,2,4-Trimethylbenzene	0.34	U	6.5	0.34
96-12-8	1,2-Dibromo-3-Chloropropane	1.8	U	13	1.8
95-50-1	1,2-Dichlorobenzene	0.49	U	6.5	0.49
107-06-2	1,2-Dichloroethane	0.26	U	6.5	0.26
78-87-5	1,2-Dichloropropane	0.83	U	6.5	0.83
541-73-1	1,3-Dichlorobenzene	0.77	U	6.5	0.77
142-28-9	1,3-Dichloropropane	0.59	U	6.5	0.59
106-46-7	1,4-Dichlorobenzene	1.1	U	6.5	1.1
594-20-7	2,2-Dichloropropane	1.3	U	6.5	1.3
78-93-3	2-Butanone (MEK)	1.9	U	26	1.9
110-75-8	2-Chloroethyl vinyl ether	2.0	U	26	2.0
95-49-8	2-Chlorotoluene	1.1	U	6.5	1.1
591-78-6	2-Hexanone	2.2	U	26	2.2
106-43-4	4-Chlorotoluene	0.67	U	6.5	0.67
99-87-6	4-Isopropyltoluene	3.6	J	6.5	0.65
108-10-1	4-Methyl-2-pentanone (MIBK)	1.4	U	26	1.4
67-64-1	Acetone	5.8	U	26	5.8
71-43-2	Benzene	0.23	U	6.5	0.23
108-86-1	Bromobenzene	0.34	U	6.5	0.34
75-25-2	Bromoform	1.6	U	6.5	1.6
74-83-9	Bromomethane	1.3	U	6.5	1.3
75-15-0	Carbon disulfide	1.4	U	6.5	1.4
56-23-5	Carbon tetrachloride	0.46	U	6.5	0.46
108-90-7	Chlorobenzene	0.34	U	6.5	0.34
124-48-1	Chlorodibromomethane	0.52	U	6.5	0.52

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS1-042816 | Lab Sample ID: 240-64249-1

Matrix: Solid | Lab File ID: UX83591.D

Analysis Method: 8260B | Date Collected: 04/28/2016 08:30

Sample wt/vol: 1.39(g) | Date Analyzed: 05/10/2016 06:23

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 3.333

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 47.4 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	1.3	U	6.5	1.3
67-66-3	Chloroform	0.93	U	6.5	0.93
74-87-3	Chloromethane	1.2	U	6.5	1.2
156-59-2	cis-1,2-Dichloroethene	0.98	U	6.5	0.98
10061-01-5	cis-1,3-Dichloropropene	0.57	U	6.5	0.57
74-95-3	Dibromomethane	1.3	U	6.5	1.3
74-97-5	Bromochloromethane	1.8	U	6.5	1.8
75-71-8	Dichlorodifluoromethane	1.6	U	6.5	1.6
75-27-4	Bromodichloromethane	0.98	U	6.5	0.98
75-65-0	tert-Butyl alcohol	22	U *	260	22
100-41-4	Ethylbenzene	0.90	U	6.5	0.90
87-68-3	Hexachlorobutadiene	1.1	U	6.5	1.1
108-20-3	Diisopropyl ether	1.3	U	13	1.3
98-82-8	Isopropylbenzene	0.34	U	6.5	0.34
1634-04-4	Methyl tert-butyl ether	0.77	U	6.5	0.77
75-09-2	Methylene Chloride	2.2	U	6.5	2.2
179601-23-1	m-Xylene & p-Xylene	0.52	U	6.5	0.52
91-20-3	Naphthalene	0.72	J	6.5	0.67
104-51-8	n-Butylbenzene	0.54	U	6.5	0.54
103-65-1	N-Propylbenzene	1.6	U	6.5	1.6
95-47-6	o-Xylene	0.44	U	6.5	0.44
135-98-8	sec-Butylbenzene	0.41	U	6.5	0.41
100-42-5	Styrene	0.70	U	6.5	0.70
994-05-8	Tert-amyl methyl ether	1.1	U	6.5	1.1
637-92-3	Ethyl tert-butyl ether	0.41	U	6.5	0.41
127-18-4	Tetrachloroethene	0.70	U	6.5	0.70
108-88-3	Toluene	1.0	J B *	6.5	0.26
156-60-5	trans-1,2-Dichloroethene	0.67	U	6.5	0.67
10061-02-6	trans-1,3-Dichloropropene	0.67	U	6.5	0.67
79-01-6	Trichloroethene	1.0	U	6.5	1.0
75-69-4	Trichlorofluoromethane	0.90	U	6.5	0.90
108-05-4	Vinyl acetate	2.7	U *	13	2.7
75-01-4	Vinyl chloride	0.44	U	6.5	0.44
1330-20-7	Xylenes, Total	0.83	U	13	0.83
98-06-6	tert-Butylbenzene	0.88	U	6.5	0.88
106-93-4	1,2-Dibromoethane	0.83	U	6.5	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS1-042816 Lab Sample ID: 240-64249-1

Matrix: Solid Lab File ID: UX83591.D

Analysis Method: 8260B Date Collected: 04/28/2016 08:30

Sample wt/vol: 1.39(g) Date Analyzed: 05/10/2016 06:23

Soil Aliquot Vol: 100 (uL) Dilution Factor: 3.333

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 47.4 Level: (low/med) Medium

Analysis Batch No.: 229536 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	76		33-134
1868-53-7	Dibromofluoromethane (Surr)	71		30-122
460-00-4	4-Bromofluorobenzene (Surr)	74		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	78		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS1-042816 | Lab Sample ID: 240-64249-1

Matrix: Solid | Lab File ID: UX83591.D

Analysis Method: 8260B | Date Collected: 04/28/2016 08:30

Sample wt/vol: 1.39(g) | Date Analyzed: 05/10/2016 06:23

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 3.333

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 47.4 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

Number TICs Found: 4 | TIC Result Total: 764

CAS NO.	COMPOUND NAME	RT	RESULT	Q
80-56-8	.alpha.-Pinene	8.61	410	T J N
79-92-5	Camphene	8.89	35	T J N
127-91-3	.beta.-Pinene	9.24	300	T J N
5989-27-5	D-Limonene	9.80	19	T J N

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS1-042816 | Lab Sample ID: 240-64249-1

Matrix: Solid | Lab File ID: UX83591.D

Analysis Method: 8260B | Date Collected: 04/28/2016 08:30

Sample wt/vol: 1.39(g) | Date Analyzed: 05/10/2016 06:23

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 3.333

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 47.4 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.60	6.5	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS2-042816 | Lab Sample ID: 240-64249-2

Matrix: Solid | Lab File ID: UX83592.D

Analysis Method: 8260B | Date Collected: 04/28/2016 08:45

Sample wt/vol: 1.01(g) | Date Analyzed: 05/10/2016 06:44

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 26.0 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.67	U	3.4	0.67
71-55-6	1,1,1-Trichloroethane	0.37	U	3.4	0.37
79-34-5	1,1,2,2-Tetrachloroethane	0.34	U	3.4	0.34
76-13-1	1,1,2-Trichlorotrifluoroethane	0.58	U	3.4	0.58
75-34-3	1,1-Dichloroethane	0.48	U	3.4	0.48
75-35-4	1,1-Dichloroethene	0.41	U	3.4	0.41
563-58-6	1,1-Dichloropropene	0.52	U	3.4	0.52
87-61-6	1,2,3-Trichlorobenzene	0.54	U	3.4	0.54
96-18-4	1,2,3-Trichloropropane	1.4	U	3.4	1.4
526-73-8	1,2,3-Trimethylbenzene	0.18	U	3.4	0.18
120-82-1	1,2,4-Trichlorobenzene	0.41	U	3.4	0.41
95-63-6	1,2,4-Trimethylbenzene	0.18	U	3.4	0.18
96-12-8	1,2-Dibromo-3-Chloropropane	0.97	U	6.9	0.97
95-50-1	1,2-Dichlorobenzene	0.26	U	3.4	0.26
107-06-2	1,2-Dichloroethane	0.14	U	3.4	0.14
78-87-5	1,2-Dichloropropane	0.44	U	3.4	0.44
541-73-1	1,3-Dichlorobenzene	0.41	U	3.4	0.41
142-28-9	1,3-Dichloropropane	0.32	U	3.4	0.32
106-46-7	1,4-Dichlorobenzene	0.56	U	3.4	0.56
594-20-7	2,2-Dichloropropane	0.71	U	3.4	0.71
78-93-3	2-Butanone (MEK)	1.0	U	14	1.0
110-75-8	2-Chloroethyl vinyl ether	1.1	U	14	1.1
95-49-8	2-Chlorotoluene	0.56	U	3.4	0.56
591-78-6	2-Hexanone	1.2	U	14	1.2
106-43-4	4-Chlorotoluene	0.36	U	3.4	0.36
99-87-6	4-Isopropyltoluene	0.34	U	3.4	0.34
108-10-1	4-Methyl-2-pentanone (MIBK)	0.77	U	14	0.77
67-64-1	Acetone	3.1	U	14	3.1
71-43-2	Benzene	0.12	U	3.4	0.12
108-86-1	Bromobenzene	0.18	U	3.4	0.18
75-25-2	Bromoform	0.84	U	3.4	0.84
74-83-9	Bromomethane	0.70	U	3.4	0.70
75-15-0	Carbon disulfide	0.77	U	3.4	0.77
56-23-5	Carbon tetrachloride	0.25	U	3.4	0.25
108-90-7	Chlorobenzene	0.18	U	3.4	0.18
124-48-1	Chlorodibromomethane	0.27	U	3.4	0.27

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS2-042816 | Lab Sample ID: 240-64249-2

Matrix: Solid | Lab File ID: UX83592.D

Analysis Method: 8260B | Date Collected: 04/28/2016 08:45

Sample wt/vol: 1.01(g) | Date Analyzed: 05/10/2016 06:44

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 26.0 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.70	U	3.4	0.70
67-66-3	Chloroform	0.49	U	3.4	0.49
74-87-3	Chloromethane	0.66	U	3.4	0.66
156-59-2	cis-1,2-Dichloroethene	0.52	U	3.4	0.52
10061-01-5	cis-1,3-Dichloropropene	0.30	U	3.4	0.30
74-95-3	Dibromomethane	0.69	U	3.4	0.69
74-97-5	Bromochloromethane	0.96	U	3.4	0.96
75-71-8	Dichlorodifluoromethane	0.84	U	3.4	0.84
75-27-4	Bromodichloromethane	0.52	U	3.4	0.52
75-65-0	tert-Butyl alcohol	11	U F1 *	140	11
100-41-4	Ethylbenzene	0.48	U	3.4	0.48
87-68-3	Hexachlorobutadiene	0.60	U	3.4	0.60
108-20-3	Diisopropyl ether	0.71	U	6.9	0.71
98-82-8	Isopropylbenzene	0.18	U	3.4	0.18
1634-04-4	Methyl tert-butyl ether	0.41	U	3.4	0.41
75-09-2	Methylene Chloride	1.2	U	3.4	1.2
179601-23-1	m-Xylene & p-Xylene	0.27	U	3.4	0.27
91-20-3	Naphthalene	0.36	U	3.4	0.36
104-51-8	n-Butylbenzene	0.29	U	3.4	0.29
103-65-1	N-Propylbenzene	0.84	U	3.4	0.84
95-47-6	o-Xylene	0.23	U	3.4	0.23
135-98-8	sec-Butylbenzene	0.22	U	3.4	0.22
100-42-5	Styrene	0.37	U	3.4	0.37
994-05-8	Tert-amyl methyl ether	0.58	U	3.4	0.58
637-92-3	Ethyl tert-butyl ether	0.22	U	3.4	0.22
127-18-4	Tetrachloroethene	0.37	U	3.4	0.37
108-88-3	Toluene	0.73	J B *	3.4	0.14
156-60-5	trans-1,2-Dichloroethene	0.36	U	3.4	0.36
10061-02-6	trans-1,3-Dichloropropene	0.36	U	3.4	0.36
79-01-6	Trichloroethene	0.54	U	3.4	0.54
75-69-4	Trichlorofluoromethane	0.48	U	3.4	0.48
108-05-4	Vinyl acetate	1.4	U F1 *	6.9	1.4
75-01-4	Vinyl chloride	0.23	U	3.4	0.23
1330-20-7	Xylenes, Total	0.44	U	6.9	0.44
98-06-6	tert-Butylbenzene	0.47	U	3.4	0.47

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS2-042816 | Lab Sample ID: 240-64249-2

Matrix: Solid | Lab File ID: UX83592.D

Analysis Method: 8260B | Date Collected: 04/28/2016 08:45

Sample wt/vol: 1.01(g) | Date Analyzed: 05/10/2016 06:44

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 26.0 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	0.44	U	3.4	0.44

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	82		33-134
1868-53-7	Dibromofluoromethane (Surr)	72		30-122
460-00-4	4-Bromofluorobenzene (Surr)	72		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	81		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS2-042816 | Lab Sample ID: 240-64249-2

Matrix: Solid | Lab File ID: UX83592.D

Analysis Method: 8260B | Date Collected: 04/28/2016 08:45

Sample wt/vol: 1.01(g) | Date Analyzed: 05/10/2016 06:44

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 26.0 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS2-042816 | Lab Sample ID: 240-64249-2

Matrix: Solid | Lab File ID: UX83592.D

Analysis Method: 8260B | Date Collected: 04/28/2016 08:45

Sample wt/vol: 1.01(g) | Date Analyzed: 05/10/2016 06:44

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 26.0 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC		3.4	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS3-042816 | Lab Sample ID: 240-64249-3

Matrix: Solid | Lab File ID: UX83595.D

Analysis Method: 8260B | Date Collected: 04/28/2016 09:00

Sample wt/vol: 1.17(g) | Date Analyzed: 05/10/2016 07:48

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 35.0 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.35	U	1.8	0.35
71-55-6	1,1,1-Trichloroethane	0.19	U	1.8	0.19
79-34-5	1,1,2,2-Tetrachloroethane	0.18	U	1.8	0.18
76-13-1	1,1,2-Trichlorotrifluoroethane	0.30	U	1.8	0.30
75-34-3	1,1-Dichloroethane	0.25	U	1.8	0.25
75-35-4	1,1-Dichloroethene	0.21	U	1.8	0.21
563-58-6	1,1-Dichloropropene	0.27	U	1.8	0.27
87-61-6	1,2,3-Trichlorobenzene	0.28	U	1.8	0.28
96-18-4	1,2,3-Trichloropropane	0.73	U	1.8	0.73
526-73-8	1,2,3-Trimethylbenzene	0.093	U	1.8	0.093
120-82-1	1,2,4-Trichlorobenzene	0.21	U	1.8	0.21
95-63-6	1,2,4-Trimethylbenzene	0.093	U	1.8	0.093
96-12-8	1,2-Dibromo-3-Chloropropane	0.51	U	3.6	0.51
95-50-1	1,2-Dichlorobenzene	0.14	U	1.8	0.14
107-06-2	1,2-Dichloroethane	0.071	U	1.8	0.071
78-87-5	1,2-Dichloropropane	0.23	U	1.8	0.23
541-73-1	1,3-Dichlorobenzene	0.21	U	1.8	0.21
142-28-9	1,3-Dichloropropane	0.16	U	1.8	0.16
106-46-7	1,4-Dichlorobenzene	0.29	U	1.8	0.29
594-20-7	2,2-Dichloropropane	0.37	U	1.8	0.37
78-93-3	2-Butanone (MEK)	0.52	U	7.1	0.52
110-75-8	2-Chloroethyl vinyl ether	0.56	U	7.1	0.56
95-49-8	2-Chlorotoluene	0.29	U	1.8	0.29
591-78-6	2-Hexanone	0.60	U	7.1	0.60
106-43-4	4-Chlorotoluene	0.19	U	1.8	0.19
99-87-6	4-Isopropyltoluene	0.18	U	1.8	0.18
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	U	7.1	0.40
67-64-1	Acetone	1.6	U	7.1	1.6
71-43-2	Benzene	0.064	U	1.8	0.064
108-86-1	Bromobenzene	0.093	U	1.8	0.093
75-25-2	Bromoform	0.43	U	1.8	0.43
74-83-9	Bromomethane	0.36	U	1.8	0.36
75-15-0	Carbon disulfide	0.40	U	1.8	0.40
56-23-5	Carbon tetrachloride	0.13	U	1.8	0.13
108-90-7	Chlorobenzene	0.093	U	1.8	0.093
124-48-1	Chlorodibromomethane	0.14	U	1.8	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS3-042816 | Lab Sample ID: 240-64249-3

Matrix: Solid | Lab File ID: UX83595.D

Analysis Method: 8260B | Date Collected: 04/28/2016 09:00

Sample wt/vol: 1.17(g) | Date Analyzed: 05/10/2016 07:48

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 35.0 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.36	U	1.8	0.36
67-66-3	Chloroform	0.26	U	1.8	0.26
74-87-3	Chloromethane	0.34	U	1.8	0.34
156-59-2	cis-1,2-Dichloroethene	0.27	U	1.8	0.27
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.8	0.16
74-95-3	Dibromomethane	0.36	U	1.8	0.36
74-97-5	Bromochloromethane	0.50	U	1.8	0.50
75-71-8	Dichlorodifluoromethane	0.43	U	1.8	0.43
75-27-4	Bromodichloromethane	0.27	U	1.8	0.27
75-65-0	tert-Butyl alcohol	6.0	U *	71	6.0
100-41-4	Ethylbenzene	0.25	U	1.8	0.25
87-68-3	Hexachlorobutadiene	0.31	U	1.8	0.31
108-20-3	Diisopropyl ether	0.37	U	3.6	0.37
98-82-8	Isopropylbenzene	0.093	U	1.8	0.093
1634-04-4	Methyl tert-butyl ether	0.21	U	1.8	0.21
75-09-2	Methylene Chloride	0.61	U	1.8	0.61
179601-23-1	m-Xylene & p-Xylene	0.14	U	1.8	0.14
91-20-3	Naphthalene	0.21	J	1.8	0.19
104-51-8	n-Butylbenzene	0.15	U	1.8	0.15
103-65-1	N-Propylbenzene	0.43	U	1.8	0.43
95-47-6	o-Xylene	0.12	U	1.8	0.12
135-98-8	sec-Butylbenzene	0.11	U	1.8	0.11
100-42-5	Styrene	0.19	U	1.8	0.19
994-05-8	Tert-amyl methyl ether	0.30	U	1.8	0.30
637-92-3	Ethyl tert-butyl ether	0.11	U	1.8	0.11
127-18-4	Tetrachloroethene	0.19	U	1.8	0.19
108-88-3	Toluene	0.79	J B *	1.8	0.071
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.8	0.19
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.8	0.19
79-01-6	Trichloroethene	0.28	U	1.8	0.28
75-69-4	Trichlorofluoromethane	0.25	U	1.8	0.25
108-05-4	Vinyl acetate	0.73	U *	3.6	0.73
75-01-4	Vinyl chloride	0.12	U	1.8	0.12
1330-20-7	Xylenes, Total	0.23	U	3.6	0.23
98-06-6	tert-Butylbenzene	0.24	U	1.8	0.24
106-93-4	1,2-Dibromoethane	0.23	U	1.8	0.23

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS3-042816 Lab Sample ID: 240-64249-3

Matrix: Solid Lab File ID: UX83595.D

Analysis Method: 8260B Date Collected: 04/28/2016 09:00

Sample wt/vol: 1.17(g) Date Analyzed: 05/10/2016 07:48

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 35.0 Level: (low/med) Medium

Analysis Batch No.: 229536 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	78		33-134
1868-53-7	Dibromofluoromethane (Surr)	70		30-122
460-00-4	4-Bromofluorobenzene (Surr)	69		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	77		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS3-042816 | Lab Sample ID: 240-64249-3

Matrix: Solid | Lab File ID: UX83595.D

Analysis Method: 8260B | Date Collected: 04/28/2016 09:00

Sample wt/vol: 1.17(g) | Date Analyzed: 05/10/2016 07:48

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 35.0 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS3-042816 Lab Sample ID: 240-64249-3

Matrix: Solid Lab File ID: UX83595.D

Analysis Method: 8260B Date Collected: 04/28/2016 09:00

Sample wt/vol: 1.17(g) Date Analyzed: 05/10/2016 07:48

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 35.0 Level: (low/med) Medium

Analysis Batch No.: 229536 Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.60	1.8	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS4-042816 | Lab Sample ID: 240-64249-4

Matrix: Solid | Lab File ID: UX83596.D

Analysis Method: 8260B | Date Collected: 04/28/2016 09:30

Sample wt/vol: 1.09(g) | Date Analyzed: 05/10/2016 08:09

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 25.2 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.32	U	1.6	0.32
71-55-6	1,1,1-Trichloroethane	0.17	U	1.6	0.17
79-34-5	1,1,2,2-Tetrachloroethane	0.16	U	1.6	0.16
76-13-1	1,1,2-Trichlorotrifluoroethane	0.27	U	1.6	0.27
75-34-3	1,1-Dichloroethane	0.23	U	1.6	0.23
75-35-4	1,1-Dichloroethene	0.19	U	1.6	0.19
563-58-6	1,1-Dichloropropene	0.25	U	1.6	0.25
87-61-6	1,2,3-Trichlorobenzene	0.25	U	1.6	0.25
96-18-4	1,2,3-Trichloropropane	0.67	U	1.6	0.67
526-73-8	1,2,3-Trimethylbenzene	0.084	U	1.6	0.084
120-82-1	1,2,4-Trichlorobenzene	0.19	U	1.6	0.19
95-63-6	1,2,4-Trimethylbenzene	0.084	U	1.6	0.084
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	3.2	0.46
95-50-1	1,2-Dichlorobenzene	0.12	U	1.6	0.12
107-06-2	1,2-Dichloroethane	0.065	U	1.6	0.065
78-87-5	1,2-Dichloropropane	0.21	U	1.6	0.21
541-73-1	1,3-Dichlorobenzene	0.19	U	1.6	0.19
142-28-9	1,3-Dichloropropane	0.15	U	1.6	0.15
106-46-7	1,4-Dichlorobenzene	0.27	U	1.6	0.27
594-20-7	2,2-Dichloropropane	0.34	U	1.6	0.34
78-93-3	2-Butanone (MEK)	0.47	U	6.5	0.47
110-75-8	2-Chloroethyl vinyl ether	0.50	U	6.5	0.50
95-49-8	2-Chlorotoluene	0.27	U	1.6	0.27
591-78-6	2-Hexanone	0.54	U	6.5	0.54
106-43-4	4-Chlorotoluene	0.17	U	1.6	0.17
99-87-6	4-Isopropyltoluene	0.16	U	1.6	0.16
108-10-1	4-Methyl-2-pentanone (MIBK)	0.36	U	6.5	0.36
67-64-1	Acetone	1.5	U	6.5	1.5
71-43-2	Benzene	0.058	U	1.6	0.058
108-86-1	Bromobenzene	0.084	U	1.6	0.084
75-25-2	Bromoform	0.39	U	1.6	0.39
74-83-9	Bromomethane	0.33	U	1.6	0.33
75-15-0	Carbon disulfide	0.36	U	1.6	0.36
56-23-5	Carbon tetrachloride	0.12	U	1.6	0.12
108-90-7	Chlorobenzene	0.084	U	1.6	0.084
124-48-1	Chlorodibromomethane	0.13	U	1.6	0.13

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS4-042816 | Lab Sample ID: 240-64249-4

Matrix: Solid | Lab File ID: UX83596.D

Analysis Method: 8260B | Date Collected: 04/28/2016 09:30

Sample wt/vol: 1.09(g) | Date Analyzed: 05/10/2016 08:09

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 25.2 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.33	U	1.6	0.33
67-66-3	Chloroform	0.23	U	1.6	0.23
74-87-3	Chloromethane	0.31	U	1.6	0.31
156-59-2	cis-1,2-Dichloroethene	0.25	U	1.6	0.25
10061-01-5	cis-1,3-Dichloropropene	0.14	U	1.6	0.14
74-95-3	Dibromomethane	0.32	U	1.6	0.32
74-97-5	Bromochloromethane	0.45	U	1.6	0.45
75-71-8	Dichlorodifluoromethane	0.39	U	1.6	0.39
75-27-4	Bromodichloromethane	0.25	U	1.6	0.25
75-65-0	tert-Butyl alcohol	5.4	U *	65	5.4
100-41-4	Ethylbenzene	0.23	U	1.6	0.23
87-68-3	Hexachlorobutadiene	0.28	U	1.6	0.28
108-20-3	Diisopropyl ether	0.34	U	3.2	0.34
98-82-8	Isopropylbenzene	0.084	U	1.6	0.084
1634-04-4	Methyl tert-butyl ether	0.19	U	1.6	0.19
75-09-2	Methylene Chloride	0.55	U	1.6	0.55
179601-23-1	m-Xylene & p-Xylene	0.13	U	1.6	0.13
91-20-3	Naphthalene	0.17	U	1.6	0.17
104-51-8	n-Butylbenzene	0.14	U	1.6	0.14
103-65-1	N-Propylbenzene	0.39	U	1.6	0.39
95-47-6	o-Xylene	0.11	U	1.6	0.11
135-98-8	sec-Butylbenzene	0.10	U	1.6	0.10
100-42-5	Styrene	0.17	U	1.6	0.17
994-05-8	Tert-amyl methyl ether	0.27	U	1.6	0.27
637-92-3	Ethyl tert-butyl ether	0.10	U	1.6	0.10
127-18-4	Tetrachloroethene	0.17	U	1.6	0.17
108-88-3	Toluene	0.78	J B *	1.6	0.065
156-60-5	trans-1,2-Dichloroethene	0.17	U	1.6	0.17
10061-02-6	trans-1,3-Dichloropropene	0.17	U	1.6	0.17
79-01-6	Trichloroethene	0.25	U	1.6	0.25
75-69-4	Trichlorofluoromethane	0.23	U	1.6	0.23
108-05-4	Vinyl acetate	0.67	U *	3.2	0.67
75-01-4	Vinyl chloride	0.11	U	1.6	0.11
1330-20-7	Xylenes, Total	0.21	U	3.2	0.21
98-06-6	tert-Butylbenzene	0.22	U	1.6	0.22
106-93-4	1,2-Dibromoethane	0.21	U	1.6	0.21

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS4-042816 | Lab Sample ID: 240-64249-4

Matrix: Solid | Lab File ID: UX83596.D

Analysis Method: 8260B | Date Collected: 04/28/2016 09:30

Sample wt/vol: 1.09(g) | Date Analyzed: 05/10/2016 08:09

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 25.2 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	82		33-134
1868-53-7	Dibromofluoromethane (Surr)	77		30-122
460-00-4	4-Bromofluorobenzene (Surr)	76		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS4-042816 | Lab Sample ID: 240-64249-4

Matrix: Solid | Lab File ID: UX83596.D

Analysis Method: 8260B | Date Collected: 04/28/2016 09:30

Sample wt/vol: 1.09(g) | Date Analyzed: 05/10/2016 08:09

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 25.2 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

Number TICs Found: 1 | TIC Result Total: 5.2

CAS NO.	COMPOUND NAME	RT	RESULT	Q
79-20-9	Acetic acid, methyl ester	3.22	5.2	T J N

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS4-042816 | Lab Sample ID: 240-64249-4

Matrix: Solid | Lab File ID: UX83596.D

Analysis Method: 8260B | Date Collected: 04/28/2016 09:30

Sample wt/vol: 1.09(g) | Date Analyzed: 05/10/2016 08:09

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 25.2 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.60	1.6	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS5-042816 | Lab Sample ID: 240-64249-5

Matrix: Solid | Lab File ID: UX83597.D

Analysis Method: 8260B | Date Collected: 04/28/2016 10:00

Sample wt/vol: 1.10(g) | Date Analyzed: 05/10/2016 08:30

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 36.2 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.38	U	1.9	0.38
71-55-6	1,1,1-Trichloroethane	0.21	U	1.9	0.21
79-34-5	1,1,2,2-Tetrachloroethane	0.19	U	1.9	0.19
76-13-1	1,1,2-Trichlorotrifluoroethane	0.32	U	1.9	0.32
75-34-3	1,1-Dichloroethane	0.27	U	1.9	0.27
75-35-4	1,1-Dichloroethene	0.23	U	1.9	0.23
563-58-6	1,1-Dichloropropene	0.29	U	1.9	0.29
87-61-6	1,2,3-Trichlorobenzene	0.30	U	1.9	0.30
96-18-4	1,2,3-Trichloropropane	0.79	U	1.9	0.79
526-73-8	1,2,3-Trimethylbenzene	0.10	U	1.9	0.10
120-82-1	1,2,4-Trichlorobenzene	0.23	U	1.9	0.23
95-63-6	1,2,4-Trimethylbenzene	0.10	U	1.9	0.10
96-12-8	1,2-Dibromo-3-Chloropropane	0.55	U	3.8	0.55
95-50-1	1,2-Dichlorobenzene	0.15	U	1.9	0.15
107-06-2	1,2-Dichloroethane	0.077	U	1.9	0.077
78-87-5	1,2-Dichloropropane	0.25	U	1.9	0.25
541-73-1	1,3-Dichlorobenzene	0.23	U	1.9	0.23
142-28-9	1,3-Dichloropropane	0.18	U	1.9	0.18
106-46-7	1,4-Dichlorobenzene	0.32	U	1.9	0.32
594-20-7	2,2-Dichloropropane	0.40	U	1.9	0.40
78-93-3	2-Butanone (MEK)	0.56	U	7.7	0.56
110-75-8	2-Chloroethyl vinyl ether	0.60	U	7.7	0.60
95-49-8	2-Chlorotoluene	0.32	U	1.9	0.32
591-78-6	2-Hexanone	0.65	U	7.7	0.65
106-43-4	4-Chlorotoluene	0.20	U	1.9	0.20
99-87-6	4-Isopropyltoluene	0.19	U	1.9	0.19
108-10-1	4-Methyl-2-pentanone (MIBK)	0.43	U	7.7	0.43
67-64-1	Acetone	1.7	U	7.7	1.7
71-43-2	Benzene	0.069	U	1.9	0.069
108-86-1	Bromobenzene	0.10	U	1.9	0.10
75-25-2	Bromoform	0.47	U	1.9	0.47
74-83-9	Bromomethane	0.39	U	1.9	0.39
75-15-0	Carbon disulfide	0.43	U	1.9	0.43
56-23-5	Carbon tetrachloride	0.14	U	1.9	0.14
108-90-7	Chlorobenzene	0.10	U	1.9	0.10
124-48-1	Chlorodibromomethane	0.15	U	1.9	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS5-042816 | Lab Sample ID: 240-64249-5

Matrix: Solid | Lab File ID: UX83597.D

Analysis Method: 8260B | Date Collected: 04/28/2016 10:00

Sample wt/vol: 1.10(g) | Date Analyzed: 05/10/2016 08:30

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 36.2 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.39	U	1.9	0.39
67-66-3	Chloroform	0.28	U	1.9	0.28
74-87-3	Chloromethane	0.37	U	1.9	0.37
156-59-2	cis-1,2-Dichloroethene	0.29	U	1.9	0.29
10061-01-5	cis-1,3-Dichloropropene	0.17	U	1.9	0.17
74-95-3	Dibromomethane	0.38	U	1.9	0.38
74-97-5	Bromochloromethane	0.54	U	1.9	0.54
75-71-8	Dichlorodifluoromethane	0.47	U	1.9	0.47
75-27-4	Bromodichloromethane	0.29	U	1.9	0.29
75-65-0	tert-Butyl alcohol	6.4	U *	77	6.4
100-41-4	Ethylbenzene	0.27	U	1.9	0.27
87-68-3	Hexachlorobutadiene	0.34	U	1.9	0.34
108-20-3	Diisopropyl ether	0.40	U	3.8	0.40
98-82-8	Isopropylbenzene	0.10	U	1.9	0.10
1634-04-4	Methyl tert-butyl ether	0.23	U	1.9	0.23
75-09-2	Methylene Chloride	0.65	U	1.9	0.65
179601-23-1	m-Xylene & p-Xylene	0.15	U	1.9	0.15
91-20-3	Naphthalene	0.20	U	1.9	0.20
104-51-8	n-Butylbenzene	0.16	U	1.9	0.16
103-65-1	N-Propylbenzene	0.47	U	1.9	0.47
95-47-6	o-Xylene	0.13	U	1.9	0.13
135-98-8	sec-Butylbenzene	0.12	U	1.9	0.12
100-42-5	Styrene	0.21	U	1.9	0.21
994-05-8	Tert-amyl methyl ether	0.32	U	1.9	0.32
637-92-3	Ethyl tert-butyl ether	0.12	U	1.9	0.12
127-18-4	Tetrachloroethene	0.21	U	1.9	0.21
108-88-3	Toluene	1.0	J B *	1.9	0.077
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.9	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	1.9	0.20
79-01-6	Trichloroethene	0.30	U	1.9	0.30
75-69-4	Trichlorofluoromethane	0.27	U	1.9	0.27
108-05-4	Vinyl acetate	0.79	U *	3.8	0.79
75-01-4	Vinyl chloride	0.13	U	1.9	0.13
1330-20-7	Xylenes, Total	0.25	U	3.8	0.25
98-06-6	tert-Butylbenzene	0.26	U	1.9	0.26
106-93-4	1,2-Dibromoethane	0.25	U	1.9	0.25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS5-042816 | Lab Sample ID: 240-64249-5

Matrix: Solid | Lab File ID: UX83597.D

Analysis Method: 8260B | Date Collected: 04/28/2016 10:00

Sample wt/vol: 1.10(g) | Date Analyzed: 05/10/2016 08:30

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 36.2 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	83		33-134
1868-53-7	Dibromofluoromethane (Surr)	76		30-122
460-00-4	4-Bromofluorobenzene (Surr)	75		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS5-042816 | Lab Sample ID: 240-64249-5

Matrix: Solid | Lab File ID: UX83597.D

Analysis Method: 8260B | Date Collected: 04/28/2016 10:00

Sample wt/vol: 1.10(g) | Date Analyzed: 05/10/2016 08:30

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 36.2 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

Number TICs Found: 1 | TIC Result Total: 27

CAS NO.	COMPOUND NAME	RT	RESULT	Q
79-20-9	Acetic acid, methyl ester	3.22	27	T J N

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS5-042816 | Lab Sample ID: 240-64249-5

Matrix: Solid | Lab File ID: UX83597.D

Analysis Method: 8260B | Date Collected: 04/28/2016 10:00

Sample wt/vol: 1.10(g) | Date Analyzed: 05/10/2016 08:30

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 36.2 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.59	1.9	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS6-042816 | Lab Sample ID: 240-64249-6

Matrix: Solid | Lab File ID: UX83598.D

Analysis Method: 8260B | Date Collected: 04/28/2016 10:15

Sample wt/vol: 1.49(g) | Date Analyzed: 05/10/2016 08:51

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 37.1 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.29	U	1.5	0.29
71-55-6	1,1,1-Trichloroethane	0.16	U	1.5	0.16
79-34-5	1,1,2,2-Tetrachloroethane	0.15	U	1.5	0.15
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1.5	0.25
75-34-3	1,1-Dichloroethane	0.21	U	1.5	0.21
75-35-4	1,1-Dichloroethene	0.18	U	1.5	0.18
563-58-6	1,1-Dichloropropene	0.23	U	1.5	0.23
87-61-6	1,2,3-Trichlorobenzene	0.23	U	1.5	0.23
96-18-4	1,2,3-Trichloropropane	0.61	U	1.5	0.61
526-73-8	1,2,3-Trimethylbenzene	0.077	U	1.5	0.077
120-82-1	1,2,4-Trichlorobenzene	0.18	U	1.5	0.18
95-63-6	1,2,4-Trimethylbenzene	0.077	U	1.5	0.077
96-12-8	1,2-Dibromo-3-Chloropropane	0.42	U	3.0	0.42
95-50-1	1,2-Dichlorobenzene	0.11	U	1.5	0.11
107-06-2	1,2-Dichloroethane	0.059	U	1.5	0.059
78-87-5	1,2-Dichloropropane	0.19	U	1.5	0.19
541-73-1	1,3-Dichlorobenzene	0.18	U	1.5	0.18
142-28-9	1,3-Dichloropropane	0.14	U	1.5	0.14
106-46-7	1,4-Dichlorobenzene	0.24	U	1.5	0.24
594-20-7	2,2-Dichloropropane	0.31	U	1.5	0.31
78-93-3	2-Butanone (MEK)	0.43	U	5.9	0.43
110-75-8	2-Chloroethyl vinyl ether	0.46	U	5.9	0.46
95-49-8	2-Chlorotoluene	0.24	U	1.5	0.24
591-78-6	2-Hexanone	0.50	U	5.9	0.50
106-43-4	4-Chlorotoluene	0.15	U	1.5	0.15
99-87-6	4-Isopropyltoluene	0.15	U	1.5	0.15
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	U	5.9	0.33
67-64-1	Acetone	1.3	U	5.9	1.3
71-43-2	Benzene	0.053	U	1.5	0.053
108-86-1	Bromobenzene	0.077	U	1.5	0.077
75-25-2	Bromoform	0.36	U	1.5	0.36
74-83-9	Bromomethane	0.30	U	1.5	0.30
75-15-0	Carbon disulfide	0.33	U	1.5	0.33
56-23-5	Carbon tetrachloride	0.11	U	1.5	0.11
108-90-7	Chlorobenzene	0.077	U	1.5	0.077
124-48-1	Chlorodibromomethane	0.12	U	1.5	0.12

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS6-042816 | Lab Sample ID: 240-64249-6

Matrix: Solid | Lab File ID: UX83598.D

Analysis Method: 8260B | Date Collected: 04/28/2016 10:15

Sample wt/vol: 1.49(g) | Date Analyzed: 05/10/2016 08:51

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 37.1 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.30	U	1.5	0.30
67-66-3	Chloroform	0.21	U	1.5	0.21
74-87-3	Chloromethane	0.28	U	1.5	0.28
156-59-2	cis-1,2-Dichloroethene	0.23	U	1.5	0.23
10061-01-5	cis-1,3-Dichloropropene	0.13	U	1.5	0.13
74-95-3	Dibromomethane	0.30	U	1.5	0.30
74-97-5	Bromochloromethane	0.41	U	1.5	0.41
75-71-8	Dichlorodifluoromethane	0.36	U	1.5	0.36
75-27-4	Bromodichloromethane	0.23	U	1.5	0.23
75-65-0	tert-Butyl alcohol	5.0	U *	59	5.0
100-41-4	Ethylbenzene	0.21	U	1.5	0.21
87-68-3	Hexachlorobutadiene	0.26	U	1.5	0.26
108-20-3	Diisopropyl ether	0.31	U	3.0	0.31
98-82-8	Isopropylbenzene	0.077	U	1.5	0.077
1634-04-4	Methyl tert-butyl ether	0.18	U	1.5	0.18
75-09-2	Methylene Chloride	0.50	U	1.5	0.50
179601-23-1	m-Xylene & p-Xylene	0.12	U	1.5	0.12
91-20-3	Naphthalene	0.15	U	1.5	0.15
104-51-8	n-Butylbenzene	0.12	U	1.5	0.12
103-65-1	N-Propylbenzene	0.36	U	1.5	0.36
95-47-6	o-Xylene	0.10	U	1.5	0.10
135-98-8	sec-Butylbenzene	0.095	U	1.5	0.095
100-42-5	Styrene	0.16	U	1.5	0.16
994-05-8	Tert-amyl methyl ether	0.25	U	1.5	0.25
637-92-3	Ethyl tert-butyl ether	0.095	U	1.5	0.095
127-18-4	Tetrachloroethene	0.16	U	1.5	0.16
108-88-3	Toluene	0.53	J B *	1.5	0.059
156-60-5	trans-1,2-Dichloroethene	0.15	U	1.5	0.15
10061-02-6	trans-1,3-Dichloropropene	0.15	U	1.5	0.15
79-01-6	Trichloroethene	0.23	U	1.5	0.23
75-69-4	Trichlorofluoromethane	0.21	U	1.5	0.21
108-05-4	Vinyl acetate	0.61	U *	3.0	0.61
75-01-4	Vinyl chloride	0.10	U	1.5	0.10
1330-20-7	Xylenes, Total	0.19	U	3.0	0.19
98-06-6	tert-Butylbenzene	0.20	U	1.5	0.20
106-93-4	1,2-Dibromoethane	0.19	U	1.5	0.19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS6-042816 | Lab Sample ID: 240-64249-6

Matrix: Solid | Lab File ID: UX83598.D

Analysis Method: 8260B | Date Collected: 04/28/2016 10:15

Sample wt/vol: 1.49(g) | Date Analyzed: 05/10/2016 08:51

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 37.1 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	84		33-134
1868-53-7	Dibromofluoromethane (Surr)	73		30-122
460-00-4	4-Bromofluorobenzene (Surr)	74		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS6-042816 | Lab Sample ID: 240-64249-6

Matrix: Solid | Lab File ID: UX83598.D

Analysis Method: 8260B | Date Collected: 04/28/2016 10:15

Sample wt/vol: 1.49(g) | Date Analyzed: 05/10/2016 08:51

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 37.1 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

Number TICs Found: 1 | TIC Result Total: 4.9

CAS NO.	COMPOUND NAME	RT	RESULT	Q
79-20-9	Acetic acid, methyl ester	3.22	4.9	T J N

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS6-042816 | Lab Sample ID: 240-64249-6

Matrix: Solid | Lab File ID: UX83598.D

Analysis Method: 8260B | Date Collected: 04/28/2016 10:15

Sample wt/vol: 1.49(g) | Date Analyzed: 05/10/2016 08:51

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 37.1 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.59	1.5	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS7-042816 | Lab Sample ID: 240-64249-7

Matrix: Solid | Lab File ID: UX83599.D

Analysis Method: 8260B | Date Collected: 04/28/2016 10:45

Sample wt/vol: 1.08(g) | Date Analyzed: 05/10/2016 09:12

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 16.6 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.28	U	1.4	0.28
71-55-6	1,1,1-Trichloroethane	0.16	U	1.4	0.16
79-34-5	1,1,2,2-Tetrachloroethane	0.14	U	1.4	0.14
76-13-1	1,1,2-Trichlorotrifluoroethane	0.24	U	1.4	0.24
75-34-3	1,1-Dichloroethane	0.20	U	1.4	0.20
75-35-4	1,1-Dichloroethene	0.17	U	1.4	0.17
563-58-6	1,1-Dichloropropene	0.22	U	1.4	0.22
87-61-6	1,2,3-Trichlorobenzene	0.22	U	1.4	0.22
96-18-4	1,2,3-Trichloropropane	0.59	U	1.4	0.59
526-73-8	1,2,3-Trimethylbenzene	0.075	U	1.4	0.075
120-82-1	1,2,4-Trichlorobenzene	0.17	U	1.4	0.17
95-63-6	1,2,4-Trimethylbenzene	0.075	U	1.4	0.075
96-12-8	1,2-Dibromo-3-Chloropropane	0.41	U	2.9	0.41
95-50-1	1,2-Dichlorobenzene	0.11	U	1.4	0.11
107-06-2	1,2-Dichloroethane	0.057	U	1.4	0.057
78-87-5	1,2-Dichloropropane	0.18	U	1.4	0.18
541-73-1	1,3-Dichlorobenzene	0.17	U	1.4	0.17
142-28-9	1,3-Dichloropropane	0.13	U	1.4	0.13
106-46-7	1,4-Dichlorobenzene	0.24	U	1.4	0.24
594-20-7	2,2-Dichloropropane	0.30	U	1.4	0.30
78-93-3	2-Butanone (MEK)	0.42	U	5.7	0.42
110-75-8	2-Chloroethyl vinyl ether	0.45	U	5.7	0.45
95-49-8	2-Chlorotoluene	0.24	U	1.4	0.24
591-78-6	2-Hexanone	0.48	U	5.7	0.48
106-43-4	4-Chlorotoluene	0.15	U	1.4	0.15
99-87-6	4-Isopropyltoluene	0.14	U	1.4	0.14
108-10-1	4-Methyl-2-pentanone (MIBK)	0.32	U	5.7	0.32
67-64-1	Acetone	1.3	U	5.7	1.3
71-43-2	Benzene	0.052	U	1.4	0.052
108-86-1	Bromobenzene	0.075	U	1.4	0.075
75-25-2	Bromoform	0.35	U	1.4	0.35
74-83-9	Bromomethane	0.29	U	1.4	0.29
75-15-0	Carbon disulfide	0.32	U	1.4	0.32
56-23-5	Carbon tetrachloride	0.10	U	1.4	0.10
108-90-7	Chlorobenzene	0.075	U	1.4	0.075
124-48-1	Chlorodibromomethane	0.11	U	1.4	0.11

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS7-042816 | Lab Sample ID: 240-64249-7

Matrix: Solid | Lab File ID: UX83599.D

Analysis Method: 8260B | Date Collected: 04/28/2016 10:45

Sample wt/vol: 1.08(g) | Date Analyzed: 05/10/2016 09:12

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 16.6 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.29	U	1.4	0.29
67-66-3	Chloroform	0.21	U	1.4	0.21
74-87-3	Chloromethane	0.28	U	1.4	0.28
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.4	0.22
10061-01-5	cis-1,3-Dichloropropene	0.13	U	1.4	0.13
74-95-3	Dibromomethane	0.29	U	1.4	0.29
74-97-5	Bromochloromethane	0.40	U	1.4	0.40
75-71-8	Dichlorodifluoromethane	0.35	U	1.4	0.35
75-27-4	Bromodichloromethane	0.22	U	1.4	0.22
75-65-0	tert-Butyl alcohol	4.8	U *	57	4.8
100-41-4	Ethylbenzene	0.20	U	1.4	0.20
87-68-3	Hexachlorobutadiene	0.25	U	1.4	0.25
108-20-3	Diisopropyl ether	0.30	U	2.9	0.30
98-82-8	Isopropylbenzene	0.075	U	1.4	0.075
1634-04-4	Methyl tert-butyl ether	0.17	U	1.4	0.17
75-09-2	Methylene Chloride	0.49	U	1.4	0.49
179601-23-1	m-Xylene & p-Xylene	0.11	U	1.4	0.11
91-20-3	Naphthalene	0.15	U	1.4	0.15
104-51-8	n-Butylbenzene	0.12	U	1.4	0.12
103-65-1	N-Propylbenzene	0.35	U	1.4	0.35
95-47-6	o-Xylene	0.098	U	1.4	0.098
135-98-8	sec-Butylbenzene	0.092	U	1.4	0.092
100-42-5	Styrene	0.20	J	1.4	0.16
994-05-8	Tert-amyl methyl ether	0.24	U	1.4	0.24
637-92-3	Ethyl tert-butyl ether	0.092	U	1.4	0.092
127-18-4	Tetrachloroethene	0.16	U	1.4	0.16
108-88-3	Toluene	0.69	J B *	1.4	0.057
156-60-5	trans-1,2-Dichloroethene	0.15	U	1.4	0.15
10061-02-6	trans-1,3-Dichloropropene	0.15	U	1.4	0.15
79-01-6	Trichloroethene	0.22	U	1.4	0.22
75-69-4	Trichlorofluoromethane	0.20	U	1.4	0.20
108-05-4	Vinyl acetate	0.59	U *	2.9	0.59
75-01-4	Vinyl chloride	0.098	U	1.4	0.098
1330-20-7	Xylenes, Total	0.18	U	2.9	0.18
98-06-6	tert-Butylbenzene	0.20	U	1.4	0.20
106-93-4	1,2-Dibromoethane	0.18	U	1.4	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS7-042816 | Lab Sample ID: 240-64249-7

Matrix: Solid | Lab File ID: UX83599.D

Analysis Method: 8260B | Date Collected: 04/28/2016 10:45

Sample wt/vol: 1.08(g) | Date Analyzed: 05/10/2016 09:12

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 16.6 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	84		33-134
1868-53-7	Dibromofluoromethane (Surr)	72		30-122
460-00-4	4-Bromofluorobenzene (Surr)	72		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	83		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS7-042816 | Lab Sample ID: 240-64249-7

Matrix: Solid | Lab File ID: UX83599.D

Analysis Method: 8260B | Date Collected: 04/28/2016 10:45

Sample wt/vol: 1.08(g) | Date Analyzed: 05/10/2016 09:12

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 16.6 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

Number TICs Found: 1 | TIC Result Total: 12

CAS NO.	COMPOUND NAME	RT	RESULT	Q
79-20-9	Acetic acid, methyl ester	3.22	12	T J N

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS7-042816 | Lab Sample ID: 240-64249-7

Matrix: Solid | Lab File ID: UX83599.D

Analysis Method: 8260B | Date Collected: 04/28/2016 10:45

Sample wt/vol: 1.08(g) | Date Analyzed: 05/10/2016 09:12

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 16.6 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.59	1.4	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS8-042816 | Lab Sample ID: 240-64249-8

Matrix: Solid | Lab File ID: UX83600.D

Analysis Method: 8260B | Date Collected: 04/28/2016 11:00

Sample wt/vol: 1.01(g) | Date Analyzed: 05/10/2016 09:33

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 17.6 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.30	U	1.6	0.30
71-55-6	1,1,1-Trichloroethane	0.17	U	1.6	0.17
79-34-5	1,1,2,2-Tetrachloroethane	0.16	U	1.6	0.16
76-13-1	1,1,2-Trichlorotrifluoroethane	0.26	U	1.6	0.26
75-34-3	1,1-Dichloroethane	0.22	U	1.6	0.22
75-35-4	1,1-Dichloroethene	0.19	U	1.6	0.19
563-58-6	1,1-Dichloropropene	0.24	U	1.6	0.24
87-61-6	1,2,3-Trichlorobenzene	0.24	U	1.6	0.24
96-18-4	1,2,3-Trichloropropane	0.64	U	1.6	0.64
526-73-8	1,2,3-Trimethylbenzene	0.081	U	1.6	0.081
120-82-1	1,2,4-Trichlorobenzene	0.19	U	1.6	0.19
95-63-6	1,2,4-Trimethylbenzene	0.081	U	1.6	0.081
96-12-8	1,2-Dibromo-3-Chloropropane	0.44	U	3.1	0.44
95-50-1	1,2-Dichlorobenzene	0.12	U	1.6	0.12
107-06-2	1,2-Dichloroethane	0.062	U	1.6	0.062
78-87-5	1,2-Dichloropropane	0.20	U	1.6	0.20
541-73-1	1,3-Dichlorobenzene	0.19	U	1.6	0.19
142-28-9	1,3-Dichloropropane	0.14	U	1.6	0.14
106-46-7	1,4-Dichlorobenzene	0.25	U	1.6	0.25
594-20-7	2,2-Dichloropropane	0.32	U	1.6	0.32
78-93-3	2-Butanone (MEK)	0.45	U	6.2	0.45
110-75-8	2-Chloroethyl vinyl ether	0.49	U	6.2	0.49
95-49-8	2-Chlorotoluene	0.25	U	1.6	0.25
591-78-6	2-Hexanone	0.52	U	6.2	0.52
106-43-4	4-Chlorotoluene	0.16	U	1.6	0.16
99-87-6	4-Isopropyltoluene	7.9		1.6	0.16
108-10-1	4-Methyl-2-pentanone (MIBK)	0.35	U	6.2	0.35
67-64-1	Acetone	3.1	J	6.2	1.4
71-43-2	Benzene	0.056	U	1.6	0.056
108-86-1	Bromobenzene	0.081	U	1.6	0.081
75-25-2	Bromoform	0.38	U	1.6	0.38
74-83-9	Bromomethane	0.32	U	1.6	0.32
75-15-0	Carbon disulfide	0.35	U	1.6	0.35
56-23-5	Carbon tetrachloride	0.11	U	1.6	0.11
108-90-7	Chlorobenzene	0.081	U	1.6	0.081
124-48-1	Chlorodibromomethane	0.12	U	1.6	0.12

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS8-042816 | Lab Sample ID: 240-64249-8

Matrix: Solid | Lab File ID: UX83600.D

Analysis Method: 8260B | Date Collected: 04/28/2016 11:00

Sample wt/vol: 1.01(g) | Date Analyzed: 05/10/2016 09:33

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 17.6 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.32	U	1.6	0.32
67-66-3	Chloroform	0.22	U	1.6	0.22
74-87-3	Chloromethane	0.30	U	1.6	0.30
156-59-2	cis-1,2-Dichloroethene	0.24	U	1.6	0.24
10061-01-5	cis-1,3-Dichloropropene	0.14	U	1.6	0.14
74-95-3	Dibromomethane	0.31	U	1.6	0.31
74-97-5	Bromochloromethane	0.44	U	1.6	0.44
75-71-8	Dichlorodifluoromethane	0.38	U	1.6	0.38
75-27-4	Bromodichloromethane	0.24	U	1.6	0.24
75-65-0	tert-Butyl alcohol	5.2	U *	62	5.2
100-41-4	Ethylbenzene	0.22	U	1.6	0.22
87-68-3	Hexachlorobutadiene	0.27	U	1.6	0.27
108-20-3	Diisopropyl ether	0.32	U	3.1	0.32
98-82-8	Isopropylbenzene	0.081	U	1.6	0.081
1634-04-4	Methyl tert-butyl ether	0.19	U	1.6	0.19
75-09-2	Methylene Chloride	0.53	U	1.6	0.53
179601-23-1	m-Xylene & p-Xylene	0.12	U	1.6	0.12
91-20-3	Naphthalene	0.16	U	1.6	0.16
104-51-8	n-Butylbenzene	0.13	U	1.6	0.13
103-65-1	N-Propylbenzene	0.38	U	1.6	0.38
95-47-6	o-Xylene	0.11	U	1.6	0.11
135-98-8	sec-Butylbenzene	0.10	U	1.6	0.10
100-42-5	Styrene	0.17	U	1.6	0.17
994-05-8	Tert-amyl methyl ether	0.26	U	1.6	0.26
637-92-3	Ethyl tert-butyl ether	0.10	U	1.6	0.10
127-18-4	Tetrachloroethene	0.17	U	1.6	0.17
108-88-3	Toluene	0.76	J B *	1.6	0.062
156-60-5	trans-1,2-Dichloroethene	0.16	U	1.6	0.16
10061-02-6	trans-1,3-Dichloropropene	0.16	U	1.6	0.16
79-01-6	Trichloroethene	0.24	U	1.6	0.24
75-69-4	Trichlorofluoromethane	0.22	U	1.6	0.22
108-05-4	Vinyl acetate	0.64	U *	3.1	0.64
75-01-4	Vinyl chloride	0.11	U	1.6	0.11
1330-20-7	Xylenes, Total	0.20	U	3.1	0.20
98-06-6	tert-Butylbenzene	0.21	U	1.6	0.21
106-93-4	1,2-Dibromoethane	0.20	U	1.6	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS8-042816 Lab Sample ID: 240-64249-8

Matrix: Solid Lab File ID: UX83600.D

Analysis Method: 8260B Date Collected: 04/28/2016 11:00

Sample wt/vol: 1.01(g) Date Analyzed: 05/10/2016 09:33

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 17.6 Level: (low/med) Medium

Analysis Batch No.: 229536 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	77		33-134
1868-53-7	Dibromofluoromethane (Surr)	66		30-122
460-00-4	4-Bromofluorobenzene (Surr)	73		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	74		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS8-042816 | Lab Sample ID: 240-64249-8

Matrix: Solid | Lab File ID: UX83600.D

Analysis Method: 8260B | Date Collected: 04/28/2016 11:00

Sample wt/vol: 1.01(g) | Date Analyzed: 05/10/2016 09:33

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 17.6 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

Number TICs Found: 10 | TIC Result Total: 2088.6

CAS NO.	COMPOUND NAME	RT	RESULT	Q
66-25-1	Hexanal	7.10	1.7	T J N
13466-78-9	3-Carene	8.48	10	T J N
80-56-8	.alpha.-Pinene	8.63	730	T J N
79-92-5	Camphene	8.89	110	T J N
127-91-3	.beta.-Pinene	9.27	1200	T J N
2867-05-2	Bicyclo[3.1.0]hex-2-ene, 2-methyl-5-(1-m	9.51	3.3	T J N
99-86-5	1,3-Cyclohexadiene, 1-methyl-4-(1-methyl	9.67	5.3	T J N
99-85-4	1,4-Cyclohexadiene, 1-methyl-4-(1-methyl	10.12	5.7	T J N
586-62-9	Cyclohexene, 1-methyl-4-(1-methylethylid	10.48	21	T J N
471-84-1	Bicyclo[2.2.1]heptane, 7,7-dimethyl-2-me	12.03	1.6	T J N

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

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS8-042816 Lab Sample ID: 240-64249-8

Matrix: Solid Lab File ID: UX83600.D

Analysis Method: 8260B Date Collected: 04/28/2016 11:00

Sample wt/vol: 1.01(g) Date Analyzed: 05/10/2016 09:33

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 17.6 Level: (low/med) Medium

Analysis Batch No.: 229536 Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.59	1.6	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS9-042816 | Lab Sample ID: 240-64249-9

Matrix: Solid | Lab File ID: UX83601.D

Analysis Method: 8260B | Date Collected: 04/28/2016 11:20

Sample wt/vol: 1.00(g) | Date Analyzed: 05/10/2016 09:55

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 17.3 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.31	U	1.6	0.31
71-55-6	1,1,1-Trichloroethane	0.17	U	1.6	0.17
79-34-5	1,1,2,2-Tetrachloroethane	0.16	U	1.6	0.16
76-13-1	1,1,2-Trichlorotrifluoroethane	0.26	U	1.6	0.26
75-34-3	1,1-Dichloroethane	0.22	U	1.6	0.22
75-35-4	1,1-Dichloroethene	0.19	U	1.6	0.19
563-58-6	1,1-Dichloropropene	0.24	U	1.6	0.24
87-61-6	1,2,3-Trichlorobenzene	0.24	U	1.6	0.24
96-18-4	1,2,3-Trichloropropane	0.64	U	1.6	0.64
526-73-8	1,2,3-Trimethylbenzene	0.081	U	1.6	0.081
120-82-1	1,2,4-Trichlorobenzene	0.19	U	1.6	0.19
95-63-6	1,2,4-Trimethylbenzene	0.081	U	1.6	0.081
96-12-8	1,2-Dibromo-3-Chloropropane	0.44	U	3.1	0.44
95-50-1	1,2-Dichlorobenzene	0.12	U	1.6	0.12
107-06-2	1,2-Dichloroethane	0.063	U	1.6	0.063
78-87-5	1,2-Dichloropropane	0.20	U	1.6	0.20
541-73-1	1,3-Dichlorobenzene	0.19	U	1.6	0.19
142-28-9	1,3-Dichloropropane	0.14	U	1.6	0.14
106-46-7	1,4-Dichlorobenzene	0.26	U	1.6	0.26
594-20-7	2,2-Dichloropropane	0.33	U	1.6	0.33
78-93-3	2-Butanone (MEK)	0.46	U	6.3	0.46
110-75-8	2-Chloroethyl vinyl ether	0.49	U	6.3	0.49
95-49-8	2-Chlorotoluene	0.26	U	1.6	0.26
591-78-6	2-Hexanone	0.53	U	6.3	0.53
106-43-4	4-Chlorotoluene	0.16	U	1.6	0.16
99-87-6	4-Isopropyltoluene	2.2		1.6	0.16
108-10-1	4-Methyl-2-pentanone (MIBK)	0.35	U	6.3	0.35
67-64-1	Acetone	1.7	J	6.3	1.4
71-43-2	Benzene	0.056	U	1.6	0.056
108-86-1	Bromobenzene	0.081	U	1.6	0.081
75-25-2	Bromoform	0.38	U	1.6	0.38
74-83-9	Bromomethane	0.32	U	1.6	0.32
75-15-0	Carbon disulfide	0.35	U	1.6	0.35
56-23-5	Carbon tetrachloride	0.11	U	1.6	0.11
108-90-7	Chlorobenzene	0.081	U	1.6	0.081
124-48-1	Chlorodibromomethane	0.13	U	1.6	0.13

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS9-042816 | Lab Sample ID: 240-64249-9

Matrix: Solid | Lab File ID: UX83601.D

Analysis Method: 8260B | Date Collected: 04/28/2016 11:20

Sample wt/vol: 1.00(g) | Date Analyzed: 05/10/2016 09:55

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 17.3 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.32	U	1.6	0.32
67-66-3	Chloroform	0.23	U	1.6	0.23
74-87-3	Chloromethane	0.30	U	1.6	0.30
156-59-2	cis-1,2-Dichloroethene	0.24	U	1.6	0.24
10061-01-5	cis-1,3-Dichloropropene	0.14	U	1.6	0.14
74-95-3	Dibromomethane	0.31	U	1.6	0.31
74-97-5	Bromochloromethane	0.44	U	1.6	0.44
75-71-8	Dichlorodifluoromethane	0.38	U	1.6	0.38
75-27-4	Bromodichloromethane	0.24	U	1.6	0.24
75-65-0	tert-Butyl alcohol	5.2	U *	63	5.2
100-41-4	Ethylbenzene	0.22	U	1.6	0.22
87-68-3	Hexachlorobutadiene	0.28	U	1.6	0.28
108-20-3	Diisopropyl ether	0.33	U	3.1	0.33
98-82-8	Isopropylbenzene	0.081	U	1.6	0.081
1634-04-4	Methyl tert-butyl ether	0.19	U	1.6	0.19
75-09-2	Methylene Chloride	0.53	U	1.6	0.53
179601-23-1	m-Xylene & p-Xylene	0.13	U	1.6	0.13
91-20-3	Naphthalene	0.16	U	1.6	0.16
104-51-8	n-Butylbenzene	0.13	U	1.6	0.13
103-65-1	N-Propylbenzene	0.38	U	1.6	0.38
95-47-6	o-Xylene	0.11	U	1.6	0.11
135-98-8	sec-Butylbenzene	0.10	U	1.6	0.10
100-42-5	Styrene	0.17	U	1.6	0.17
994-05-8	Tert-amyl methyl ether	0.26	U	1.6	0.26
637-92-3	Ethyl tert-butyl ether	0.10	U	1.6	0.10
127-18-4	Tetrachloroethene	0.17	U	1.6	0.17
108-88-3	Toluene	0.83	J B *	1.6	0.063
156-60-5	trans-1,2-Dichloroethene	0.16	U	1.6	0.16
10061-02-6	trans-1,3-Dichloropropene	0.16	U	1.6	0.16
79-01-6	Trichloroethene	0.24	U	1.6	0.24
75-69-4	Trichlorofluoromethane	0.22	U	1.6	0.22
108-05-4	Vinyl acetate	0.64	U *	3.1	0.64
75-01-4	Vinyl chloride	0.11	U	1.6	0.11
1330-20-7	Xylenes, Total	0.20	U	3.1	0.20
98-06-6	tert-Butylbenzene	0.21	U	1.6	0.21
106-93-4	1,2-Dibromoethane	0.20	U	1.6	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS9-042816 Lab Sample ID: 240-64249-9

Matrix: Solid Lab File ID: UX83601.D

Analysis Method: 8260B Date Collected: 04/28/2016 11:20

Sample wt/vol: 1.00(g) Date Analyzed: 05/10/2016 09:55

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 17.3 Level: (low/med) Medium

Analysis Batch No.: 229536 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	86		33-134
1868-53-7	Dibromofluoromethane (Surr)	71		30-122
460-00-4	4-Bromofluorobenzene (Surr)	78		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	81		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS9-042816 | Lab Sample ID: 240-64249-9

Matrix: Solid | Lab File ID: UX83601.D

Analysis Method: 8260B | Date Collected: 04/28/2016 11:20

Sample wt/vol: 1.00(g) | Date Analyzed: 05/10/2016 09:55

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 17.3 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

Number TICs Found: 5 | TIC Result Total: 189.9

CAS NO.	COMPOUND NAME	RT	RESULT	Q
66-25-1	Hexanal	7.10	2.6	T J N
80-56-8	.alpha.-Pinene	8.61	84	T J N
79-92-5	Camphene	8.88	6.9	T J N
127-91-3	.beta.-Pinene	9.25	92	T J N
138-86-3	Limonene	9.80	4.4	T J N

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS9-042816 | Lab Sample ID: 240-64249-9

Matrix: Solid | Lab File ID: UX83601.D

Analysis Method: 8260B | Date Collected: 04/28/2016 11:20

Sample wt/vol: 1.00(g) | Date Analyzed: 05/10/2016 09:55

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 17.3 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.60	1.6	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS10-042816 | Lab Sample ID: 240-64249-10

Matrix: Solid | Lab File ID: UX83611.D

Analysis Method: 8260B | Date Collected: 04/28/2016 11:45

Sample wt/vol: 1.07(g) | Date Analyzed: 05/11/2016 02:25

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.0 | Level: (low/med) Medium

Analysis Batch No.: 229723 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.40	U	2.0	0.40
71-55-6	1,1,1-Trichloroethane	0.22	U	2.0	0.22
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	2.0	0.20
76-13-1	1,1,2-Trichlorotrifluoroethane	0.34	U	2.0	0.34
75-34-3	1,1-Dichloroethane	0.29	U	2.0	0.29
75-35-4	1,1-Dichloroethene	0.24	U	2.0	0.24
563-58-6	1,1-Dichloropropene	0.31	U	2.0	0.31
87-61-6	1,2,3-Trichlorobenzene	0.32	U	2.0	0.32
96-18-4	1,2,3-Trichloropropane	0.84	U	2.0	0.84
526-73-8	1,2,3-Trimethylbenzene	0.11	U	2.0	0.11
120-82-1	1,2,4-Trichlorobenzene	0.24	U	2.0	0.24
95-63-6	1,2,4-Trimethylbenzene	0.11	U	2.0	0.11
96-12-8	1,2-Dibromo-3-Chloropropane	0.58	U	4.1	0.58
95-50-1	1,2-Dichlorobenzene	0.15	U	2.0	0.15
107-06-2	1,2-Dichloroethane	0.081	U	2.0	0.081
78-87-5	1,2-Dichloropropane	0.26	U	2.0	0.26
541-73-1	1,3-Dichlorobenzene	0.24	U	2.0	0.24
142-28-9	1,3-Dichloropropane	0.19	U	2.0	0.19
106-46-7	1,4-Dichlorobenzene	0.33	U	2.0	0.33
594-20-7	2,2-Dichloropropane	0.42	U	2.0	0.42
78-93-3	2-Butanone (MEK)	0.65	J	8.1	0.59
110-75-8	2-Chloroethyl vinyl ether	0.64	U	8.1	0.64
95-49-8	2-Chlorotoluene	0.33	U	2.0	0.33
591-78-6	2-Hexanone	0.68	U	8.1	0.68
106-43-4	4-Chlorotoluene	0.21	U	2.0	0.21
99-87-6	4-Isopropyltoluene	0.20	U	2.0	0.20
108-10-1	4-Methyl-2-pentanone (MIBK)	0.46	U	8.1	0.46
67-64-1	Acetone	1.8	U	8.1	1.8
71-43-2	Benzene	0.073	U	2.0	0.073
108-86-1	Bromobenzene	0.11	U	2.0	0.11
75-25-2	Bromoform	0.50	U	2.0	0.50
74-83-9	Bromomethane	0.42	U	2.0	0.42
75-15-0	Carbon disulfide	0.46	U	2.0	0.46
56-23-5	Carbon tetrachloride	0.15	U	2.0	0.15
108-90-7	Chlorobenzene	0.11	U	2.0	0.11
124-48-1	Chlorodibromomethane	0.16	U	2.0	0.16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS10-042816 | Lab Sample ID: 240-64249-10

Matrix: Solid | Lab File ID: UX83611.D

Analysis Method: 8260B | Date Collected: 04/28/2016 11:45

Sample wt/vol: 1.07(g) | Date Analyzed: 05/11/2016 02:25

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.0 | Level: (low/med) Medium

Analysis Batch No.: 229723 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.42	U	2.0	0.42
67-66-3	Chloroform	0.29	U	2.0	0.29
74-87-3	Chloromethane	0.39	U	2.0	0.39
156-59-2	cis-1,2-Dichloroethene	0.31	U	2.0	0.31
10061-01-5	cis-1,3-Dichloropropene	0.18	U	2.0	0.18
74-95-3	Dibromomethane	0.41	U	2.0	0.41
74-97-5	Bromochloromethane	0.57	U	2.0	0.57
75-71-8	Dichlorodifluoromethane	0.50	U	2.0	0.50
75-27-4	Bromodichloromethane	0.31	U	2.0	0.31
75-65-0	tert-Butyl alcohol	6.8	U *	81	6.8
100-41-4	Ethylbenzene	0.29	U	2.0	0.29
87-68-3	Hexachlorobutadiene	0.36	U	2.0	0.36
108-20-3	Diisopropyl ether	0.42	U	4.1	0.42
98-82-8	Isopropylbenzene	0.11	U	2.0	0.11
1634-04-4	Methyl tert-butyl ether	0.24	U	2.0	0.24
75-09-2	Methylene Chloride	0.69	U	2.0	0.69
179601-23-1	m-Xylene & p-Xylene	0.16	U	2.0	0.16
91-20-3	Naphthalene	0.21	U	2.0	0.21
104-51-8	n-Butylbenzene	0.17	U	2.0	0.17
103-65-1	N-Propylbenzene	0.50	U	2.0	0.50
95-47-6	o-Xylene	0.14	U	2.0	0.14
135-98-8	sec-Butylbenzene	0.13	U	2.0	0.13
100-42-5	Styrene	0.22	U	2.0	0.22
994-05-8	Tert-amyl methyl ether	0.34	U	2.0	0.34
637-92-3	Ethyl tert-butyl ether	0.13	U	2.0	0.13
127-18-4	Tetrachloroethene	0.22	U	2.0	0.22
108-88-3	Toluene	1.4	J B *	2.0	0.081
156-60-5	trans-1,2-Dichloroethene	0.21	U	2.0	0.21
10061-02-6	trans-1,3-Dichloropropene	0.21	U	2.0	0.21
79-01-6	Trichloroethene	0.32	U	2.0	0.32
75-69-4	Trichlorofluoromethane	0.29	U	2.0	0.29
108-05-4	Vinyl acetate	0.84	U *	4.1	0.84
75-01-4	Vinyl chloride	0.14	U	2.0	0.14
1330-20-7	Xylenes, Total	0.26	U	4.1	0.26
98-06-6	tert-Butylbenzene	0.28	U	2.0	0.28
106-93-4	1,2-Dibromoethane	0.26	U	2.0	0.26

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS10-042816 Lab Sample ID: 240-64249-10

Matrix: Solid Lab File ID: UX83611.D

Analysis Method: 8260B Date Collected: 04/28/2016 11:45

Sample wt/vol: 1.07(g) Date Analyzed: 05/11/2016 02:25

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.0 Level: (low/med) Medium

Analysis Batch No.: 229723 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	113		33-134
1868-53-7	Dibromofluoromethane (Surr)	104		30-122
460-00-4	4-Bromofluorobenzene (Surr)	105		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS10-042816 | Lab Sample ID: 240-64249-10

Matrix: Solid | Lab File ID: UX83611.D

Analysis Method: 8260B | Date Collected: 04/28/2016 11:45

Sample wt/vol: 1.07(g) | Date Analyzed: 05/11/2016 02:25

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.0 | Level: (low/med) Medium

Analysis Batch No.: 229723 | Units: mg/Kg

Number TICs Found: 1 | TIC Result Total: 4.7

CAS NO.	COMPOUND NAME	RT	RESULT	Q
79-20-9	Acetic acid, methyl ester	3.22	4.7	T J N

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS10-042816 | Lab Sample ID: 240-64249-10

Matrix: Solid | Lab File ID: UX83611.D

Analysis Method: 8260B | Date Collected: 04/28/2016 11:45

Sample wt/vol: 1.07(g) | Date Analyzed: 05/11/2016 02:25

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.0 | Level: (low/med) Medium

Analysis Batch No.: 229723 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.60	2.0	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS11-042816 | Lab Sample ID: 240-64249-11

Matrix: Solid | Lab File ID: UX83603.D

Analysis Method: 8260B | Date Collected: 04/28/2016 12:20

Sample wt/vol: 1.22(g) | Date Analyzed: 05/10/2016 10:37

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 10.7 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.23	U	1.2	0.23
71-55-6	1,1,1-Trichloroethane	0.13	U	1.2	0.13
79-34-5	1,1,2,2-Tetrachloroethane	0.12	U	1.2	0.12
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	U	1.2	0.20
75-34-3	1,1-Dichloroethane	0.16	U	1.2	0.16
75-35-4	1,1-Dichloroethene	0.14	U	1.2	0.14
563-58-6	1,1-Dichloropropene	0.18	U	1.2	0.18
87-61-6	1,2,3-Trichlorobenzene	0.18	U	1.2	0.18
96-18-4	1,2,3-Trichloropropane	0.49	U	1.2	0.49
526-73-8	1,2,3-Trimethylbenzene	0.061	U	1.2	0.061
120-82-1	1,2,4-Trichlorobenzene	0.14	U	1.2	0.14
95-63-6	1,2,4-Trimethylbenzene	0.061	U	1.2	0.061
96-12-8	1,2-Dibromo-3-Chloropropane	0.33	U	2.4	0.33
95-50-1	1,2-Dichlorobenzene	0.089	U	1.2	0.089
107-06-2	1,2-Dichloroethane	0.047	U	1.2	0.047
78-87-5	1,2-Dichloropropane	0.15	U	1.2	0.15
541-73-1	1,3-Dichlorobenzene	0.14	U	1.2	0.14
142-28-9	1,3-Dichloropropane	0.11	U	1.2	0.11
106-46-7	1,4-Dichlorobenzene	0.19	U	1.2	0.19
594-20-7	2,2-Dichloropropane	0.24	U	1.2	0.24
78-93-3	2-Butanone (MEK)	0.34	U	4.7	0.34
110-75-8	2-Chloroethyl vinyl ether	0.37	U	4.7	0.37
95-49-8	2-Chlorotoluene	0.19	U	1.2	0.19
591-78-6	2-Hexanone	0.40	U	4.7	0.40
106-43-4	4-Chlorotoluene	0.12	U	1.2	0.12
99-87-6	4-Isopropyltoluene	0.19	J	1.2	0.12
108-10-1	4-Methyl-2-pentanone (MIBK)	0.26	U	4.7	0.26
67-64-1	Acetone	1.1	U	4.7	1.1
71-43-2	Benzene	0.042	U	1.2	0.042
108-86-1	Bromobenzene	0.061	U	1.2	0.061
75-25-2	Bromoform	0.29	U	1.2	0.29
74-83-9	Bromomethane	0.24	U	1.2	0.24
75-15-0	Carbon disulfide	0.26	U	1.2	0.26
56-23-5	Carbon tetrachloride	0.085	U	1.2	0.085
108-90-7	Chlorobenzene	0.061	U	1.2	0.061
124-48-1	Chlorodibromomethane	0.094	U	1.2	0.094

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS11-042816 | Lab Sample ID: 240-64249-11

Matrix: Solid | Lab File ID: UX83603.D

Analysis Method: 8260B | Date Collected: 04/28/2016 12:20

Sample wt/vol: 1.22(g) | Date Analyzed: 05/10/2016 10:37

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 10.7 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.24	U	1.2	0.24
67-66-3	Chloroform	0.17	U	1.2	0.17
74-87-3	Chloromethane	0.23	U	1.2	0.23
156-59-2	cis-1,2-Dichloroethene	0.18	U	1.2	0.18
10061-01-5	cis-1,3-Dichloropropene	0.10	U	1.2	0.10
74-95-3	Dibromomethane	0.24	U	1.2	0.24
74-97-5	Bromochloromethane	0.33	U	1.2	0.33
75-71-8	Dichlorodifluoromethane	0.29	U	1.2	0.29
75-27-4	Bromodichloromethane	0.18	U	1.2	0.18
75-65-0	tert-Butyl alcohol	3.9	U *	47	3.9
100-41-4	Ethylbenzene	0.16	U	1.2	0.16
87-68-3	Hexachlorobutadiene	0.21	U	1.2	0.21
108-20-3	Diisopropyl ether	0.24	U	2.4	0.24
98-82-8	Isopropylbenzene	0.061	U	1.2	0.061
1634-04-4	Methyl tert-butyl ether	0.14	U	1.2	0.14
75-09-2	Methylene Chloride	0.40	U	1.2	0.40
179601-23-1	m-Xylene & p-Xylene	0.094	U	1.2	0.094
91-20-3	Naphthalene	0.12	U	1.2	0.12
104-51-8	n-Butylbenzene	0.099	U	1.2	0.099
103-65-1	N-Propylbenzene	0.29	U	1.2	0.29
95-47-6	o-Xylene	0.080	U	1.2	0.080
135-98-8	sec-Butylbenzene	0.075	U	1.2	0.075
100-42-5	Styrene	2.6		1.2	0.13
994-05-8	Tert-amyl methyl ether	0.20	U	1.2	0.20
637-92-3	Ethyl tert-butyl ether	0.075	U	1.2	0.075
127-18-4	Tetrachloroethene	0.13	U	1.2	0.13
108-88-3	Toluene	0.56	J B *	1.2	0.047
156-60-5	trans-1,2-Dichloroethene	0.12	U	1.2	0.12
10061-02-6	trans-1,3-Dichloropropene	0.12	U	1.2	0.12
79-01-6	Trichloroethene	0.18	U	1.2	0.18
75-69-4	Trichlorofluoromethane	0.16	U	1.2	0.16
108-05-4	Vinyl acetate	0.49	U *	2.4	0.49
75-01-4	Vinyl chloride	0.080	U	1.2	0.080
1330-20-7	Xylenes, Total	0.15	U	2.4	0.15
98-06-6	tert-Butylbenzene	0.16	U	1.2	0.16
106-93-4	1,2-Dibromoethane	0.15	U	1.2	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS11-042816 Lab Sample ID: 240-64249-11

Matrix: Solid Lab File ID: UX83603.D

Analysis Method: 8260B Date Collected: 04/28/2016 12:20

Sample wt/vol: 1.22(g) Date Analyzed: 05/10/2016 10:37

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 10.7 Level: (low/med) Medium

Analysis Batch No.: 229536 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	81		33-134
1868-53-7	Dibromofluoromethane (Surr)	71		30-122
460-00-4	4-Bromofluorobenzene (Surr)	70		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	78		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS11-042816 | Lab Sample ID: 240-64249-11

Matrix: Solid | Lab File ID: UX83603.D

Analysis Method: 8260B | Date Collected: 04/28/2016 12:20

Sample wt/vol: 1.22(g) | Date Analyzed: 05/10/2016 10:37

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 10.7 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

FORM I-TIC 8260B

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS11-042816 | Lab Sample ID: 240-64249-11

Matrix: Solid | Lab File ID: UX83603.D

Analysis Method: 8260B | Date Collected: 04/28/2016 12:20

Sample wt/vol: 1.22(g) | Date Analyzed: 05/10/2016 10:37

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 10.7 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.59	1.2	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS12-042816 | Lab Sample ID: 240-64249-12

Matrix: Solid | Lab File ID: UX83604.D

Analysis Method: 8260B | Date Collected: 04/28/2016 13:00

Sample wt/vol: 1.03(g) | Date Analyzed: 05/10/2016 10:58

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 11.3 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.27	U	1.4	0.27
71-55-6	1,1,1-Trichloroethane	0.15	U	1.4	0.15
79-34-5	1,1,2,2-Tetrachloroethane	0.14	U	1.4	0.14
76-13-1	1,1,2-Trichlorotrifluoroethane	0.24	U	1.4	0.24
75-34-3	1,1-Dichloroethane	0.20	U	1.4	0.20
75-35-4	1,1-Dichloroethene	0.17	U	1.4	0.17
563-58-6	1,1-Dichloropropene	0.21	U	1.4	0.21
87-61-6	1,2,3-Trichlorobenzene	0.22	U	1.4	0.22
96-18-4	1,2,3-Trichloropropane	0.58	U	1.4	0.58
526-73-8	1,2,3-Trimethylbenzene	0.073	U	1.4	0.073
120-82-1	1,2,4-Trichlorobenzene	0.17	U	1.4	0.17
95-63-6	1,2,4-Trimethylbenzene	0.073	U	1.4	0.073
96-12-8	1,2-Dibromo-3-Chloropropane	0.40	U	2.8	0.40
95-50-1	1,2-Dichlorobenzene	0.11	U	1.4	0.11
107-06-2	1,2-Dichloroethane	0.056	U	1.4	0.056
78-87-5	1,2-Dichloropropane	0.18	U	1.4	0.18
541-73-1	1,3-Dichlorobenzene	0.17	U	1.4	0.17
142-28-9	1,3-Dichloropropane	0.13	U	1.4	0.13
106-46-7	1,4-Dichlorobenzene	0.23	U	1.4	0.23
594-20-7	2,2-Dichloropropane	0.29	U	1.4	0.29
78-93-3	2-Butanone (MEK)	0.41	U	5.6	0.41
110-75-8	2-Chloroethyl vinyl ether	0.44	U	5.6	0.44
95-49-8	2-Chlorotoluene	0.23	U	1.4	0.23
591-78-6	2-Hexanone	0.47	U	5.6	0.47
106-43-4	4-Chlorotoluene	0.15	U	1.4	0.15
99-87-6	4-Isopropyltoluene	0.14	J	1.4	0.14
108-10-1	4-Methyl-2-pentanone (MIBK)	0.31	U	5.6	0.31
67-64-1	Acetone	1.3	U	5.6	1.3
71-43-2	Benzene	0.050	U	1.4	0.050
108-86-1	Bromobenzene	0.073	U	1.4	0.073
75-25-2	Bromoform	0.34	U	1.4	0.34
74-83-9	Bromomethane	0.29	U	1.4	0.29
75-15-0	Carbon disulfide	0.31	U	1.4	0.31
56-23-5	Carbon tetrachloride	0.10	U	1.4	0.10
108-90-7	Chlorobenzene	0.073	U	1.4	0.073
124-48-1	Chlorodibromomethane	0.11	U	1.4	0.11

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS12-042816 | Lab Sample ID: 240-64249-12

Matrix: Solid | Lab File ID: UX83604.D

Analysis Method: 8260B | Date Collected: 04/28/2016 13:00

Sample wt/vol: 1.03(g) | Date Analyzed: 05/10/2016 10:58

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 11.3 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.29	U	1.4	0.29
67-66-3	Chloroform	0.20	U	1.4	0.20
74-87-3	Chloromethane	0.27	U	1.4	0.27
156-59-2	cis-1,2-Dichloroethene	0.21	U	1.4	0.21
10061-01-5	cis-1,3-Dichloropropene	0.12	U	1.4	0.12
74-95-3	Dibromomethane	0.28	U	1.4	0.28
74-97-5	Bromochloromethane	0.39	U	1.4	0.39
75-71-8	Dichlorodifluoromethane	0.34	U	1.4	0.34
75-27-4	Bromodichloromethane	0.21	U	1.4	0.21
75-65-0	tert-Butyl alcohol	4.7	U *	56	4.7
100-41-4	Ethylbenzene	0.20	U	1.4	0.20
87-68-3	Hexachlorobutadiene	0.25	U	1.4	0.25
108-20-3	Diisopropyl ether	0.29	U	2.8	0.29
98-82-8	Isopropylbenzene	0.073	U	1.4	0.073
1634-04-4	Methyl tert-butyl ether	0.17	U	1.4	0.17
75-09-2	Methylene Chloride	0.48	U	1.4	0.48
179601-23-1	m-Xylene & p-Xylene	0.11	U	1.4	0.11
91-20-3	Naphthalene	0.15	U	1.4	0.15
104-51-8	n-Butylbenzene	0.12	U	1.4	0.12
103-65-1	N-Propylbenzene	0.34	U	1.4	0.34
95-47-6	o-Xylene	0.095	U	1.4	0.095
135-98-8	sec-Butylbenzene	0.090	U	1.4	0.090
100-42-5	Styrene	0.15	U	1.4	0.15
994-05-8	Tert-amyl methyl ether	0.24	U	1.4	0.24
637-92-3	Ethyl tert-butyl ether	0.090	U	1.4	0.090
127-18-4	Tetrachloroethene	0.15	U	1.4	0.15
108-88-3	Toluene	0.73	J B *	1.4	0.056
156-60-5	trans-1,2-Dichloroethene	0.15	U	1.4	0.15
10061-02-6	trans-1,3-Dichloropropene	0.15	U	1.4	0.15
79-01-6	Trichloroethene	0.22	U	1.4	0.22
75-69-4	Trichlorofluoromethane	0.20	U	1.4	0.20
108-05-4	Vinyl acetate	0.58	U *	2.8	0.58
75-01-4	Vinyl chloride	0.095	U	1.4	0.095
1330-20-7	Xylenes, Total	0.18	U	2.8	0.18
98-06-6	tert-Butylbenzene	0.19	U	1.4	0.19
106-93-4	1,2-Dibromoethane	0.18	U	1.4	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS12-042816 Lab Sample ID: 240-64249-12

Matrix: Solid Lab File ID: UX83604.D

Analysis Method: 8260B Date Collected: 04/28/2016 13:00

Sample wt/vol: 1.03(g) Date Analyzed: 05/10/2016 10:58

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 11.3 Level: (low/med) Medium

Analysis Batch No.: 229536 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	84		33-134
1868-53-7	Dibromofluoromethane (Surr)	68		30-122
460-00-4	4-Bromofluorobenzene (Surr)	73		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	78		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS12-042816 | Lab Sample ID: 240-64249-12

Matrix: Solid | Lab File ID: UX83604.D

Analysis Method: 8260B | Date Collected: 04/28/2016 13:00

Sample wt/vol: 1.03(g) | Date Analyzed: 05/10/2016 10:58

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 11.3 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TS12-042816 | Lab Sample ID: 240-64249-12

Matrix: Solid | Lab File ID: UX83604.D

Analysis Method: 8260B | Date Collected: 04/28/2016 13:00

Sample wt/vol: 1.03(g) | Date Analyzed: 05/10/2016 10:58

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 11.3 | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC		1.4	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TG1S-050516 | Lab Sample ID: 240-64493-1

Matrix: Solid | Lab File ID: UX83674.D

Analysis Method: 8260B | Date Collected: 05/05/2016 09:00

Sample wt/vol: 1.15(g) | Date Analyzed: 05/13/2016 07:22

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.8 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.38	U	1.9	0.38
71-55-6	1,1,1-Trichloroethane	0.21	U	1.9	0.21
79-34-5	1,1,2,2-Tetrachloroethane	0.19	U	1.9	0.19
76-13-1	1,1,2-Trichlorotrifluoroethane	0.33	U	1.9	0.33
75-34-3	1,1-Dichloroethane	0.27	U	1.9	0.27
75-35-4	1,1-Dichloroethene	0.23	U	1.9	0.23
563-58-6	1,1-Dichloropropene	0.29	U	1.9	0.29
87-61-6	1,2,3-Trichlorobenzene	0.30	U	1.9	0.30
96-18-4	1,2,3-Trichloropropane	0.80	U	1.9	0.80
526-73-8	1,2,3-Trimethylbenzene	0.10	U	1.9	0.10
120-82-1	1,2,4-Trichlorobenzene	0.23	U	1.9	0.23
95-63-6	1,2,4-Trimethylbenzene	0.10	U	1.9	0.10
96-12-8	1,2-Dibromo-3-Chloropropane	0.55	U	3.9	0.55
95-50-1	1,2-Dichlorobenzene	0.15	U	1.9	0.15
107-06-2	1,2-Dichloroethane	0.077	U	1.9	0.077
78-87-5	1,2-Dichloropropane	0.25	U	1.9	0.25
541-73-1	1,3-Dichlorobenzene	0.23	U	1.9	0.23
142-28-9	1,3-Dichloropropane	0.18	U	1.9	0.18
106-46-7	1,4-Dichlorobenzene	0.32	U	1.9	0.32
594-20-7	2,2-Dichloropropane	0.40	U	1.9	0.40
78-93-3	2-Butanone (MEK)	0.57	U	7.7	0.57
110-75-8	2-Chloroethyl vinyl ether	0.60	U	7.7	0.60
95-49-8	2-Chlorotoluene	0.32	U	1.9	0.32
591-78-6	2-Hexanone	0.65	U	7.7	0.65
106-43-4	4-Chlorotoluene	0.20	U	1.9	0.20
99-87-6	4-Isopropyltoluene	0.19	U	1.9	0.19
108-10-1	4-Methyl-2-pentanone (MIBK)	0.43	U	7.7	0.43
67-64-1	Acetone	1.8	J	7.7	1.7
71-43-2	Benzene	0.070	U	1.9	0.070
108-86-1	Bromobenzene	0.10	U	1.9	0.10
75-25-2	Bromoform	0.47	U	1.9	0.47
74-83-9	Bromomethane	0.39	U	1.9	0.39
75-15-0	Carbon disulfide	0.43	U	1.9	0.43
56-23-5	Carbon tetrachloride	0.14	U	1.9	0.14
108-90-7	Chlorobenzene	0.10	U	1.9	0.10
124-48-1	Chlorodibromomethane	0.15	U	1.9	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TG1S-050516 | Lab Sample ID: 240-64493-1

Matrix: Solid | Lab File ID: UX83674.D

Analysis Method: 8260B | Date Collected: 05/05/2016 09:00

Sample wt/vol: 1.15(g) | Date Analyzed: 05/13/2016 07:22

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.8 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.39	U	1.9	0.39
67-66-3	Chloroform	0.28	U	1.9	0.28
74-87-3	Chloromethane	0.37	U	1.9	0.37
156-59-2	cis-1,2-Dichloroethene	0.29	U	1.9	0.29
10061-01-5	cis-1,3-Dichloropropene	0.17	U	1.9	0.17
74-95-3	Dibromomethane	0.39	U	1.9	0.39
74-97-5	Bromochloromethane	0.54	U	1.9	0.54
75-71-8	Dichlorodifluoromethane	0.47	U	1.9	0.47
75-27-4	Bromodichloromethane	0.29	U	1.9	0.29
75-65-0	tert-Butyl alcohol	6.5	U *	77	6.5
100-41-4	Ethylbenzene	0.27	U	1.9	0.27
87-68-3	Hexachlorobutadiene	0.34	U	1.9	0.34
108-20-3	Diisopropyl ether	0.40	U	3.9	0.40
98-82-8	Isopropylbenzene	0.10	U	1.9	0.10
1634-04-4	Methyl tert-butyl ether	0.23	U	1.9	0.23
75-09-2	Methylene Chloride	0.66	U	1.9	0.66
179601-23-1	m-Xylene & p-Xylene	0.15	U	1.9	0.15
91-20-3	Naphthalene	0.20	U	1.9	0.20
104-51-8	n-Butylbenzene	0.16	U	1.9	0.16
103-65-1	N-Propylbenzene	0.47	U	1.9	0.47
95-47-6	o-Xylene	0.13	U	1.9	0.13
135-98-8	sec-Butylbenzene	0.12	U	1.9	0.12
100-42-5	Styrene	0.21	U	1.9	0.21
994-05-8	Tert-amyl methyl ether	0.33	U	1.9	0.33
637-92-3	Ethyl tert-butyl ether	0.12	U	1.9	0.12
127-18-4	Tetrachloroethene	0.21	U	1.9	0.21
108-88-3	Toluene	0.11	J B	1.9	0.077
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.9	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	1.9	0.20
79-01-6	Trichloroethene	0.30	U	1.9	0.30
75-69-4	Trichlorofluoromethane	0.27	U	1.9	0.27
108-05-4	Vinyl acetate	0.80	U	3.9	0.80
75-01-4	Vinyl chloride	0.13	U	1.9	0.13
1330-20-7	Xylenes, Total	0.25	U	3.9	0.25
98-06-6	tert-Butylbenzene	0.26	U	1.9	0.26
106-93-4	1,2-Dibromoethane	0.25	U	1.9	0.25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TG1S-050516 | Lab Sample ID: 240-64493-1

Matrix: Solid | Lab File ID: UX83674.D

Analysis Method: 8260B | Date Collected: 05/05/2016 09:00

Sample wt/vol: 1.15(g) | Date Analyzed: 05/13/2016 07:22

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.8 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	74		33-134
1868-53-7	Dibromofluoromethane (Surr)	60		30-122
460-00-4	4-Bromofluorobenzene (Surr)	70		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	69		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TG1S-050516 | Lab Sample ID: 240-64493-1

Matrix: Solid | Lab File ID: UX83674.D

Analysis Method: 8260B | Date Collected: 05/05/2016 09:00

Sample wt/vol: 1.15(g) | Date Analyzed: 05/13/2016 07:22

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.8 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TG1S-050516 | Lab Sample ID: 240-64493-1

Matrix: Solid | Lab File ID: UX83674.D

Analysis Method: 8260B | Date Collected: 05/05/2016 09:00

Sample wt/vol: 1.15(g) | Date Analyzed: 05/13/2016 07:22

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.8 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.60	1.9	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TG1N-050516 | Lab Sample ID: 240-64493-2

Matrix: Solid | Lab File ID: UX83675.D

Analysis Method: 8260B | Date Collected: 05/05/2016 09:45

Sample wt/vol: 1.32(g) | Date Analyzed: 05/13/2016 07:44

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 39.7 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.34	U	1.7	0.34
71-55-6	1,1,1-Trichloroethane	0.19	U	1.7	0.19
79-34-5	1,1,2,2-Tetrachloroethane	0.17	U	1.7	0.17
76-13-1	1,1,2-Trichlorotrifluoroethane	0.29	U	1.7	0.29
75-34-3	1,1-Dichloroethane	0.24	U	1.7	0.24
75-35-4	1,1-Dichloroethene	0.21	U	1.7	0.21
563-58-6	1,1-Dichloropropene	0.26	U	1.7	0.26
87-61-6	1,2,3-Trichlorobenzene	0.27	U	1.7	0.27
96-18-4	1,2,3-Trichloropropane	0.71	U	1.7	0.71
526-73-8	1,2,3-Trimethylbenzene	0.090	U	1.7	0.090
120-82-1	1,2,4-Trichlorobenzene	0.21	U	1.7	0.21
95-63-6	1,2,4-Trimethylbenzene	0.090	U	1.7	0.090
96-12-8	1,2-Dibromo-3-Chloropropane	0.49	U	3.5	0.49
95-50-1	1,2-Dichlorobenzene	0.13	U	1.7	0.13
107-06-2	1,2-Dichloroethane	0.069	U	1.7	0.069
78-87-5	1,2-Dichloropropane	0.22	U	1.7	0.22
541-73-1	1,3-Dichlorobenzene	0.21	U	1.7	0.21
142-28-9	1,3-Dichloropropane	0.16	U	1.7	0.16
106-46-7	1,4-Dichlorobenzene	0.28	U	1.7	0.28
594-20-7	2,2-Dichloropropane	0.36	U	1.7	0.36
78-93-3	2-Butanone (MEK)	0.51	U	6.9	0.51
110-75-8	2-Chloroethyl vinyl ether	0.54	U	6.9	0.54
95-49-8	2-Chlorotoluene	0.28	U	1.7	0.28
591-78-6	2-Hexanone	0.58	U	6.9	0.58
106-43-4	4-Chlorotoluene	0.18	U	1.7	0.18
99-87-6	4-Isopropyltoluene	0.17	U	1.7	0.17
108-10-1	4-Methyl-2-pentanone (MIBK)	0.39	U	6.9	0.39
67-64-1	Acetone	1.6	U	6.9	1.6
71-43-2	Benzene	0.062	U	1.7	0.062
108-86-1	Bromobenzene	0.090	U	1.7	0.090
75-25-2	Bromoform	0.42	U	1.7	0.42
74-83-9	Bromomethane	0.35	U	1.7	0.35
75-15-0	Carbon disulfide	0.39	U	1.7	0.39
56-23-5	Carbon tetrachloride	0.12	U	1.7	0.12
108-90-7	Chlorobenzene	0.090	U	1.7	0.090
124-48-1	Chlorodibromomethane	0.14	U	1.7	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TG1N-050516 | Lab Sample ID: 240-64493-2

Matrix: Solid | Lab File ID: UX83675.D

Analysis Method: 8260B | Date Collected: 05/05/2016 09:45

Sample wt/vol: 1.32(g) | Date Analyzed: 05/13/2016 07:44

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 39.7 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.35	U	1.7	0.35
67-66-3	Chloroform	0.25	U	1.7	0.25
74-87-3	Chloromethane	0.33	U	1.7	0.33
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.7	0.26
10061-01-5	cis-1,3-Dichloropropene	0.15	U	1.7	0.15
74-95-3	Dibromomethane	0.35	U	1.7	0.35
74-97-5	Bromochloromethane	0.49	U	1.7	0.49
75-71-8	Dichlorodifluoromethane	0.42	U	1.7	0.42
75-27-4	Bromodichloromethane	0.26	U	1.7	0.26
75-65-0	tert-Butyl alcohol	5.8	U *	69	5.8
100-41-4	Ethylbenzene	0.24	U	1.7	0.24
87-68-3	Hexachlorobutadiene	0.31	U	1.7	0.31
108-20-3	Diisopropyl ether	0.36	U	3.5	0.36
98-82-8	Isopropylbenzene	0.090	U	1.7	0.090
1634-04-4	Methyl tert-butyl ether	0.21	U	1.7	0.21
75-09-2	Methylene Chloride	0.59	U	1.7	0.59
179601-23-1	m-Xylene & p-Xylene	0.14	U	1.7	0.14
91-20-3	Naphthalene	0.18	U	1.7	0.18
104-51-8	n-Butylbenzene	0.15	U	1.7	0.15
103-65-1	N-Propylbenzene	0.42	U	1.7	0.42
95-47-6	o-Xylene	0.12	U	1.7	0.12
135-98-8	sec-Butylbenzene	0.11	U	1.7	0.11
100-42-5	Styrene	0.19	U	1.7	0.19
994-05-8	Tert-amyl methyl ether	0.29	U	1.7	0.29
637-92-3	Ethyl tert-butyl ether	0.11	U	1.7	0.11
127-18-4	Tetrachloroethene	0.19	U	1.7	0.19
108-88-3	Toluene	0.10	J B	1.7	0.069
156-60-5	trans-1,2-Dichloroethene	0.18	U	1.7	0.18
10061-02-6	trans-1,3-Dichloropropene	0.18	U	1.7	0.18
79-01-6	Trichloroethene	0.27	U	1.7	0.27
75-69-4	Trichlorofluoromethane	0.24	U	1.7	0.24
108-05-4	Vinyl acetate	0.71	U	3.5	0.71
75-01-4	Vinyl chloride	0.12	U	1.7	0.12
1330-20-7	Xylenes, Total	0.22	U	3.5	0.22
98-06-6	tert-Butylbenzene	0.24	U	1.7	0.24
106-93-4	1,2-Dibromoethane	0.22	U	1.7	0.22

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TG1N-050516 | Lab Sample ID: 240-64493-2

Matrix: Solid | Lab File ID: UX83675.D

Analysis Method: 8260B | Date Collected: 05/05/2016 09:45

Sample wt/vol: 1.32(g) | Date Analyzed: 05/13/2016 07:44

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 39.7 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	78		33-134
1868-53-7	Dibromofluoromethane (Surr)	64		30-122
460-00-4	4-Bromofluorobenzene (Surr)	71		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	73		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TG1N-050516 | Lab Sample ID: 240-64493-2

Matrix: Solid | Lab File ID: UX83675.D

Analysis Method: 8260B | Date Collected: 05/05/2016 09:45

Sample wt/vol: 1.32(g) | Date Analyzed: 05/13/2016 07:44

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 39.7 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TG1N-050516 | Lab Sample ID: 240-64493-2

Matrix: Solid | Lab File ID: UX83675.D

Analysis Method: 8260B | Date Collected: 05/05/2016 09:45

Sample wt/vol: 1.32(g) | Date Analyzed: 05/13/2016 07:44

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 39.7 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.60	1.7	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TG2S-050516 | Lab Sample ID: 240-64493-3

Matrix: Solid | Lab File ID: UX83676.D

Analysis Method: 8260B | Date Collected: 05/05/2016 10:15

Sample wt/vol: 1.25(g) | Date Analyzed: 05/13/2016 08:05

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.8 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.35	U	1.8	0.35
71-55-6	1,1,1-Trichloroethane	0.19	U	1.8	0.19
79-34-5	1,1,2,2-Tetrachloroethane	0.18	U	1.8	0.18
76-13-1	1,1,2-Trichlorotrifluoroethane	0.30	U	1.8	0.30
75-34-3	1,1-Dichloroethane	0.25	U	1.8	0.25
75-35-4	1,1-Dichloroethene	0.22	U	1.8	0.22
563-58-6	1,1-Dichloropropene	0.27	U	1.8	0.27
87-61-6	1,2,3-Trichlorobenzene	0.28	U	1.8	0.28
96-18-4	1,2,3-Trichloropropane	0.74	U	1.8	0.74
526-73-8	1,2,3-Trimethylbenzene	0.093	U	1.8	0.093
120-82-1	1,2,4-Trichlorobenzene	0.22	U	1.8	0.22
95-63-6	1,2,4-Trimethylbenzene	0.093	U	1.8	0.093
96-12-8	1,2-Dibromo-3-Chloropropane	0.51	U	3.6	0.51
95-50-1	1,2-Dichlorobenzene	0.14	U	1.8	0.14
107-06-2	1,2-Dichloroethane	0.072	U	1.8	0.072
78-87-5	1,2-Dichloropropane	0.23	U	1.8	0.23
541-73-1	1,3-Dichlorobenzene	0.22	U	1.8	0.22
142-28-9	1,3-Dichloropropane	0.16	U	1.8	0.16
106-46-7	1,4-Dichlorobenzene	0.29	U	1.8	0.29
594-20-7	2,2-Dichloropropane	0.37	U	1.8	0.37
78-93-3	2-Butanone (MEK)	0.52	U	7.2	0.52
110-75-8	2-Chloroethyl vinyl ether	0.56	U	7.2	0.56
95-49-8	2-Chlorotoluene	0.29	U	1.8	0.29
591-78-6	2-Hexanone	0.60	U	7.2	0.60
106-43-4	4-Chlorotoluene	0.19	U	1.8	0.19
99-87-6	4-Isopropyltoluene	0.18	U	1.8	0.18
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	U	7.2	0.40
67-64-1	Acetone	1.6	U	7.2	1.6
71-43-2	Benzene	0.065	U	1.8	0.065
108-86-1	Bromobenzene	0.093	U	1.8	0.093
75-25-2	Bromoform	0.44	U	1.8	0.44
74-83-9	Bromomethane	0.37	U	1.8	0.37
75-15-0	Carbon disulfide	0.40	U	1.8	0.40
56-23-5	Carbon tetrachloride	0.13	U	1.8	0.13
108-90-7	Chlorobenzene	0.093	U	1.8	0.093
124-48-1	Chlorodibromomethane	0.14	U	1.8	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TG2S-050516 | Lab Sample ID: 240-64493-3

Matrix: Solid | Lab File ID: UX83676.D

Analysis Method: 8260B | Date Collected: 05/05/2016 10:15

Sample wt/vol: 1.25(g) | Date Analyzed: 05/13/2016 08:05

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.8 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.37	U	1.8	0.37
67-66-3	Chloroform	0.26	U	1.8	0.26
74-87-3	Chloromethane	0.34	U	1.8	0.34
156-59-2	cis-1,2-Dichloroethene	0.27	U	1.8	0.27
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.8	0.16
74-95-3	Dibromomethane	0.36	U	1.8	0.36
74-97-5	Bromochloromethane	0.50	U	1.8	0.50
75-71-8	Dichlorodifluoromethane	0.44	U	1.8	0.44
75-27-4	Bromodichloromethane	0.27	U	1.8	0.27
75-65-0	tert-Butyl alcohol	6.0	U *	72	6.0
100-41-4	Ethylbenzene	0.25	U	1.8	0.25
87-68-3	Hexachlorobutadiene	0.32	U	1.8	0.32
108-20-3	Diisopropyl ether	0.37	U	3.6	0.37
98-82-8	Isopropylbenzene	0.093	U	1.8	0.093
1634-04-4	Methyl tert-butyl ether	0.22	U	1.8	0.22
75-09-2	Methylene Chloride	0.61	U	1.8	0.61
179601-23-1	m-Xylene & p-Xylene	0.14	U	1.8	0.14
91-20-3	Naphthalene	0.19	U	1.8	0.19
104-51-8	n-Butylbenzene	0.15	U	1.8	0.15
103-65-1	N-Propylbenzene	0.44	U	1.8	0.44
95-47-6	o-Xylene	0.12	U	1.8	0.12
135-98-8	sec-Butylbenzene	0.11	U	1.8	0.11
100-42-5	Styrene	0.19	U	1.8	0.19
994-05-8	Tert-amyl methyl ether	0.30	U	1.8	0.30
637-92-3	Ethyl tert-butyl ether	0.11	U	1.8	0.11
127-18-4	Tetrachloroethene	0.19	U	1.8	0.19
108-88-3	Toluene	0.093	J B	1.8	0.072
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.8	0.19
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.8	0.19
79-01-6	Trichloroethene	0.28	U	1.8	0.28
75-69-4	Trichlorofluoromethane	0.25	U	1.8	0.25
108-05-4	Vinyl acetate	0.74	U	3.6	0.74
75-01-4	Vinyl chloride	0.12	U	1.8	0.12
1330-20-7	Xylenes, Total	0.23	U	3.6	0.23
98-06-6	tert-Butylbenzene	0.24	U	1.8	0.24
106-93-4	1,2-Dibromoethane	0.23	U	1.8	0.23

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TG2S-050516 | Lab Sample ID: 240-64493-3

Matrix: Solid | Lab File ID: UX83676.D

Analysis Method: 8260B | Date Collected: 05/05/2016 10:15

Sample wt/vol: 1.25(g) | Date Analyzed: 05/13/2016 08:05

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.8 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	78		33-134
1868-53-7	Dibromofluoromethane (Surr)	64		30-122
460-00-4	4-Bromofluorobenzene (Surr)	73		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	77		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TG2S-050516 | Lab Sample ID: 240-64493-3

Matrix: Solid | Lab File ID: UX83676.D

Analysis Method: 8260B | Date Collected: 05/05/2016 10:15

Sample wt/vol: 1.25(g) | Date Analyzed: 05/13/2016 08:05

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.8 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TG2S-050516 | Lab Sample ID: 240-64493-3

Matrix: Solid | Lab File ID: UX83676.D

Analysis Method: 8260B | Date Collected: 05/05/2016 10:15

Sample wt/vol: 1.25(g) | Date Analyzed: 05/13/2016 08:05

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.8 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.59	1.8	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TG2N-050516 | Lab Sample ID: 240-64493-4

Matrix: Solid | Lab File ID: UX83677.D

Analysis Method: 8260B | Date Collected: 05/05/2016 10:45

Sample wt/vol: 1.26(g) | Date Analyzed: 05/13/2016 08:26

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 40.3 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.36	U	1.8	0.36
71-55-6	1,1,1-Trichloroethane	0.20	U	1.8	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.18	U	1.8	0.18
76-13-1	1,1,2-Trichlorotrifluoroethane	0.31	U	1.8	0.31
75-34-3	1,1-Dichloroethane	0.26	U	1.8	0.26
75-35-4	1,1-Dichloroethene	0.22	U	1.8	0.22
563-58-6	1,1-Dichloropropene	0.28	U	1.8	0.28
87-61-6	1,2,3-Trichlorobenzene	0.29	U	1.8	0.29
96-18-4	1,2,3-Trichloropropane	0.75	U	1.8	0.75
526-73-8	1,2,3-Trimethylbenzene	0.095	U	1.8	0.095
120-82-1	1,2,4-Trichlorobenzene	0.22	U	1.8	0.22
95-63-6	1,2,4-Trimethylbenzene	0.095	U	1.8	0.095
96-12-8	1,2-Dibromo-3-Chloropropane	0.52	U	3.7	0.52
95-50-1	1,2-Dichlorobenzene	0.14	U	1.8	0.14
107-06-2	1,2-Dichloroethane	0.073	U	1.8	0.073
78-87-5	1,2-Dichloropropane	0.23	U	1.8	0.23
541-73-1	1,3-Dichlorobenzene	0.22	U	1.8	0.22
142-28-9	1,3-Dichloropropane	0.17	U	1.8	0.17
106-46-7	1,4-Dichlorobenzene	0.30	U	1.8	0.30
594-20-7	2,2-Dichloropropane	0.38	U	1.8	0.38
78-93-3	2-Butanone (MEK)	0.53	U	7.3	0.53
110-75-8	2-Chloroethyl vinyl ether	0.57	U	7.3	0.57
95-49-8	2-Chlorotoluene	0.30	U	1.8	0.30
591-78-6	2-Hexanone	0.61	U	7.3	0.61
106-43-4	4-Chlorotoluene	0.19	U	1.8	0.19
99-87-6	4-Isopropyltoluene	0.18	U	1.8	0.18
108-10-1	4-Methyl-2-pentanone (MIBK)	0.41	U	7.3	0.41
67-64-1	Acetone	1.7	U	7.3	1.7
71-43-2	Benzene	0.066	U	1.8	0.066
108-86-1	Bromobenzene	0.095	U	1.8	0.095
75-25-2	Bromoform	0.45	U	1.8	0.45
74-83-9	Bromomethane	0.37	U	1.8	0.37
75-15-0	Carbon disulfide	0.41	U	1.8	0.41
56-23-5	Carbon tetrachloride	0.13	U	1.8	0.13
108-90-7	Chlorobenzene	0.095	U	1.8	0.095
124-48-1	Chlorodibromomethane	0.15	U	1.8	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TG2N-050516 | Lab Sample ID: 240-64493-4

Matrix: Solid | Lab File ID: UX83677.D

Analysis Method: 8260B | Date Collected: 05/05/2016 10:45

Sample wt/vol: 1.26(g) | Date Analyzed: 05/13/2016 08:26

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 40.3 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.37	U	1.8	0.37
67-66-3	Chloroform	0.26	U	1.8	0.26
74-87-3	Chloromethane	0.35	U	1.8	0.35
156-59-2	cis-1,2-Dichloroethene	0.28	U	1.8	0.28
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.8	0.16
74-95-3	Dibromomethane	0.37	U	1.8	0.37
74-97-5	Bromochloromethane	0.51	U	1.8	0.51
75-71-8	Dichlorodifluoromethane	0.45	U	1.8	0.45
75-27-4	Bromodichloromethane	0.28	U	1.8	0.28
75-65-0	tert-Butyl alcohol	6.1	U *	73	6.1
100-41-4	Ethylbenzene	0.26	U	1.8	0.26
87-68-3	Hexachlorobutadiene	0.32	U	1.8	0.32
108-20-3	Diisopropyl ether	0.38	U	3.7	0.38
98-82-8	Isopropylbenzene	0.095	U	1.8	0.095
1634-04-4	Methyl tert-butyl ether	0.22	U	1.8	0.22
75-09-2	Methylene Chloride	0.62	U	1.8	0.62
179601-23-1	m-Xylene & p-Xylene	0.15	U	1.8	0.15
91-20-3	Naphthalene	0.19	U	1.8	0.19
104-51-8	n-Butylbenzene	0.15	U	1.8	0.15
103-65-1	N-Propylbenzene	0.45	U	1.8	0.45
95-47-6	o-Xylene	0.12	U	1.8	0.12
135-98-8	sec-Butylbenzene	0.12	U	1.8	0.12
100-42-5	Styrene	0.20	U	1.8	0.20
994-05-8	Tert-amyl methyl ether	0.31	U	1.8	0.31
637-92-3	Ethyl tert-butyl ether	0.12	U	1.8	0.12
127-18-4	Tetrachloroethene	0.20	U	1.8	0.20
108-88-3	Toluene	0.10	J B	1.8	0.073
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.8	0.19
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.8	0.19
79-01-6	Trichloroethene	0.29	U	1.8	0.29
75-69-4	Trichlorofluoromethane	0.26	U	1.8	0.26
108-05-4	Vinyl acetate	0.75	U	3.7	0.75
75-01-4	Vinyl chloride	0.12	U	1.8	0.12
1330-20-7	Xylenes, Total	0.23	U	3.7	0.23
98-06-6	tert-Butylbenzene	0.25	U	1.8	0.25
106-93-4	1,2-Dibromoethane	0.23	U	1.8	0.23

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TG2N-050516 | Lab Sample ID: 240-64493-4

Matrix: Solid | Lab File ID: UX83677.D

Analysis Method: 8260B | Date Collected: 05/05/2016 10:45

Sample wt/vol: 1.26(g) | Date Analyzed: 05/13/2016 08:26

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 40.3 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	75		33-134
1868-53-7	Dibromofluoromethane (Surr)	60		30-122
460-00-4	4-Bromofluorobenzene (Surr)	66		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	68		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TG2N-050516 | Lab Sample ID: 240-64493-4

Matrix: Solid | Lab File ID: UX83677.D

Analysis Method: 8260B | Date Collected: 05/05/2016 10:45

Sample wt/vol: 1.26(g) | Date Analyzed: 05/13/2016 08:26

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 40.3 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TG2N-050516 | Lab Sample ID: 240-64493-4

Matrix: Solid | Lab File ID: UX83677.D

Analysis Method: 8260B | Date Collected: 05/05/2016 10:45

Sample wt/vol: 1.26(g) | Date Analyzed: 05/13/2016 08:26

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 40.3 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.60	1.8	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TG3S-050516 | Lab Sample ID: 240-64493-5

Matrix: Solid | Lab File ID: UX83678.D

Analysis Method: 8260B | Date Collected: 05/05/2016 11:10

Sample wt/vol: 1.08(g) | Date Analyzed: 05/13/2016 08:47

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 36.3 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.38	U	2.0	0.38
71-55-6	1,1,1-Trichloroethane	0.21	U	2.0	0.21
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	2.0	0.20
76-13-1	1,1,2-Trichlorotrifluoroethane	0.33	U	2.0	0.33
75-34-3	1,1-Dichloroethane	0.27	U	2.0	0.27
75-35-4	1,1-Dichloroethene	0.24	U	2.0	0.24
563-58-6	1,1-Dichloropropene	0.30	U	2.0	0.30
87-61-6	1,2,3-Trichlorobenzene	0.31	U	2.0	0.31
96-18-4	1,2,3-Trichloropropane	0.81	U	2.0	0.81
526-73-8	1,2,3-Trimethylbenzene	0.10	U	2.0	0.10
120-82-1	1,2,4-Trichlorobenzene	0.24	U	2.0	0.24
95-63-6	1,2,4-Trimethylbenzene	0.10	U	2.0	0.10
96-12-8	1,2-Dibromo-3-Chloropropane	0.56	U	3.9	0.56
95-50-1	1,2-Dichlorobenzene	0.15	U	2.0	0.15
107-06-2	1,2-Dichloroethane	0.078	U	2.0	0.078
78-87-5	1,2-Dichloropropane	0.25	U	2.0	0.25
541-73-1	1,3-Dichlorobenzene	0.24	U	2.0	0.24
142-28-9	1,3-Dichloropropane	0.18	U	2.0	0.18
106-46-7	1,4-Dichlorobenzene	0.32	U	2.0	0.32
594-20-7	2,2-Dichloropropane	0.41	U	2.0	0.41
78-93-3	2-Butanone (MEK)	0.57	U	7.8	0.57
110-75-8	2-Chloroethyl vinyl ether	0.61	U	7.8	0.61
95-49-8	2-Chlorotoluene	0.32	U	2.0	0.32
591-78-6	2-Hexanone	0.66	U	7.8	0.66
106-43-4	4-Chlorotoluene	0.20	U	2.0	0.20
99-87-6	4-Isopropyltoluene	2.6		2.0	0.20
108-10-1	4-Methyl-2-pentanone (MIBK)	0.44	U	7.8	0.44
67-64-1	Acetone	2.7	J	7.8	1.8
71-43-2	Benzene	0.071	U	2.0	0.071
108-86-1	Bromobenzene	0.10	U	2.0	0.10
75-25-2	Bromoform	0.48	U	2.0	0.48
74-83-9	Bromomethane	0.40	U	2.0	0.40
75-15-0	Carbon disulfide	0.44	U	2.0	0.44
56-23-5	Carbon tetrachloride	0.14	U	2.0	0.14
108-90-7	Chlorobenzene	0.10	U	2.0	0.10
124-48-1	Chlorodibromomethane	0.16	U	2.0	0.16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TG3S-050516 | Lab Sample ID: 240-64493-5

Matrix: Solid | Lab File ID: UX83678.D

Analysis Method: 8260B | Date Collected: 05/05/2016 11:10

Sample wt/vol: 1.08(g) | Date Analyzed: 05/13/2016 08:47

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 36.3 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.40	U	2.0	0.40
67-66-3	Chloroform	0.28	U	2.0	0.28
74-87-3	Chloromethane	0.38	U	2.0	0.38
156-59-2	cis-1,2-Dichloroethene	0.30	U	2.0	0.30
10061-01-5	cis-1,3-Dichloropropene	0.17	U	2.0	0.17
74-95-3	Dibromomethane	0.39	U	2.0	0.39
74-97-5	Bromochloromethane	0.55	U	2.0	0.55
75-71-8	Dichlorodifluoromethane	0.48	U	2.0	0.48
75-27-4	Bromodichloromethane	0.30	U	2.0	0.30
75-65-0	tert-Butyl alcohol	6.6	U *	78	6.6
100-41-4	Ethylbenzene	0.27	U	2.0	0.27
87-68-3	Hexachlorobutadiene	0.34	U	2.0	0.34
108-20-3	Diisopropyl ether	0.41	U	3.9	0.41
98-82-8	Isopropylbenzene	0.10	U	2.0	0.10
1634-04-4	Methyl tert-butyl ether	0.24	U	2.0	0.24
75-09-2	Methylene Chloride	0.67	U	2.0	0.67
179601-23-1	m-Xylene & p-Xylene	0.16	U	2.0	0.16
91-20-3	Naphthalene	0.20	U	2.0	0.20
104-51-8	n-Butylbenzene	0.16	U	2.0	0.16
103-65-1	N-Propylbenzene	0.48	U	2.0	0.48
95-47-6	o-Xylene	0.13	U	2.0	0.13
135-98-8	sec-Butylbenzene	0.13	U	2.0	0.13
100-42-5	Styrene	0.21	U	2.0	0.21
994-05-8	Tert-amyl methyl ether	0.33	U	2.0	0.33
637-92-3	Ethyl tert-butyl ether	0.13	U	2.0	0.13
127-18-4	Tetrachloroethene	0.21	U	2.0	0.21
108-88-3	Toluene	0.13	J B	2.0	0.078
156-60-5	trans-1,2-Dichloroethene	0.20	U	2.0	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	2.0	0.20
79-01-6	Trichloroethene	0.31	U	2.0	0.31
75-69-4	Trichlorofluoromethane	0.27	U	2.0	0.27
108-05-4	Vinyl acetate	0.81	U	3.9	0.81
75-01-4	Vinyl chloride	0.13	U	2.0	0.13
1330-20-7	Xylenes, Total	0.25	U	3.9	0.25
98-06-6	tert-Butylbenzene	0.27	U	2.0	0.27
106-93-4	1,2-Dibromoethane	0.25	U	2.0	0.25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TG3S-050516 Lab Sample ID: 240-64493-5

Matrix: Solid Lab File ID: UX83678.D

Analysis Method: 8260B Date Collected: 05/05/2016 11:10

Sample wt/vol: 1.08(g) Date Analyzed: 05/13/2016 08:47

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 36.3 Level: (low/med) Medium

Analysis Batch No.: 230141 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	74		33-134
1868-53-7	Dibromofluoromethane (Surr)	59		30-122
460-00-4	4-Bromofluorobenzene (Surr)	70		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	66		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TG3S-050516 | Lab Sample ID: 240-64493-5

Matrix: Solid | Lab File ID: UX83678.D

Analysis Method: 8260B | Date Collected: 05/05/2016 11:10

Sample wt/vol: 1.08(g) | Date Analyzed: 05/13/2016 08:47

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 36.3 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

Number TICs Found: 9 | TIC Result Total: 1672.3

CAS NO.	COMPOUND NAME	RT	RESULT	Q
508-32-7	Tricyclo[2.2.1.02,6]heptane, 1,7,7-trime	8.48	3.6	T J N
7785-70-8	1R-.alpha.-Pinene	8.62	920	T J N
79-92-5	Camphene	8.88	56	T J N
13466-78-9	3-Carene	9.25	630	T J N
535-77-3	Benzene, 1-methyl-3-(1-methylethyl)-	9.51	2.8	T J N
535-77-3	Benzene, 1-methyl-3-(1-methylethyl)-	9.68	3.0	T J N
5989-27-5	D-Limonene	9.80	47	T J N
99-85-4	1,4-Cyclohexadiene, 1-methyl-4-(1-methyl	10.12	2.3	T J N
586-62-9	Cyclohexene, 1-methyl-4-(1-methylethylid	10.48	7.6	T J N

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TG3S-050516 | Lab Sample ID: 240-64493-5

Matrix: Solid | Lab File ID: UX83678.D

Analysis Method: 8260B | Date Collected: 05/05/2016 11:10

Sample wt/vol: 1.08(g) | Date Analyzed: 05/13/2016 08:47

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 36.3 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC		2.0	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TG3N-050516 | Lab Sample ID: 240-64493-6

Matrix: Solid | Lab File ID: UX83679.D

Analysis Method: 8260B | Date Collected: 05/05/2016 11:30

Sample wt/vol: 1.08(g) | Date Analyzed: 05/13/2016 09:08

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1.429

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 45.6 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.65	U	3.3	0.65
71-55-6	1,1,1-Trichloroethane	0.36	U	3.3	0.36
79-34-5	1,1,2,2-Tetrachloroethane	0.33	U	3.3	0.33
76-13-1	1,1,2-Trichlorotrifluoroethane	0.56	U	3.3	0.56
75-34-3	1,1-Dichloroethane	0.47	U	3.3	0.47
75-35-4	1,1-Dichloroethene	0.40	U	3.3	0.40
563-58-6	1,1-Dichloropropene	0.51	U	3.3	0.51
87-61-6	1,2,3-Trichlorobenzene	0.52	U	3.3	0.52
96-18-4	1,2,3-Trichloropropane	1.4	U	3.3	1.4
526-73-8	1,2,3-Trimethylbenzene	0.17	U	3.3	0.17
120-82-1	1,2,4-Trichlorobenzene	0.40	U	3.3	0.40
95-63-6	1,2,4-Trimethylbenzene	0.17	U	3.3	0.17
96-12-8	1,2-Dibromo-3-Chloropropane	0.95	U	6.7	0.95
95-50-1	1,2-Dichlorobenzene	0.25	U	3.3	0.25
107-06-2	1,2-Dichloroethane	0.13	U	3.3	0.13
78-87-5	1,2-Dichloropropane	0.43	U	3.3	0.43
541-73-1	1,3-Dichlorobenzene	0.40	U	3.3	0.40
142-28-9	1,3-Dichloropropane	0.31	U	3.3	0.31
106-46-7	1,4-Dichlorobenzene	0.55	U	3.3	0.55
594-20-7	2,2-Dichloropropane	0.69	U	3.3	0.69
78-93-3	2-Butanone (MEK)	0.97	U	13	0.97
110-75-8	2-Chloroethyl vinyl ether	1.0	U	13	1.0
95-49-8	2-Chlorotoluene	0.55	U	3.3	0.55
591-78-6	2-Hexanone	1.1	U	13	1.1
106-43-4	4-Chlorotoluene	0.35	U	3.3	0.35
99-87-6	4-Isopropyltoluene	5.5		3.3	0.33
108-10-1	4-Methyl-2-pentanone (MIBK)	0.75	U	13	0.75
67-64-1	Acetone	3.5	J	13	3.0
71-43-2	Benzene	0.12	U	3.3	0.12
108-86-1	Bromobenzene	0.17	U	3.3	0.17
75-25-2	Bromoform	0.81	U	3.3	0.81
74-83-9	Bromomethane	0.68	U	3.3	0.68
75-15-0	Carbon disulfide	0.75	U	3.3	0.75
56-23-5	Carbon tetrachloride	0.24	U	3.3	0.24
108-90-7	Chlorobenzene	0.17	U	3.3	0.17
124-48-1	Chlorodibromomethane	0.27	U	3.3	0.27

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TG3N-050516 | Lab Sample ID: 240-64493-6

Matrix: Solid | Lab File ID: UX83679.D

Analysis Method: 8260B | Date Collected: 05/05/2016 11:30

Sample wt/vol: 1.08(g) | Date Analyzed: 05/13/2016 09:08

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1.429

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 45.6 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.68	U	3.3	0.68
67-66-3	Chloroform	0.48	U	3.3	0.48
74-87-3	Chloromethane	0.64	U	3.3	0.64
156-59-2	cis-1,2-Dichloroethene	0.51	U	3.3	0.51
10061-01-5	cis-1,3-Dichloropropene	0.29	U	3.3	0.29
74-95-3	Dibromomethane	0.67	U	3.3	0.67
74-97-5	Bromochloromethane	0.93	U	3.3	0.93
75-71-8	Dichlorodifluoromethane	0.81	U	3.3	0.81
75-27-4	Bromodichloromethane	0.51	U	3.3	0.51
75-65-0	tert-Butyl alcohol	11	U *	130	11
100-41-4	Ethylbenzene	0.47	U	3.3	0.47
87-68-3	Hexachlorobutadiene	0.59	U	3.3	0.59
108-20-3	Diisopropyl ether	0.69	U	6.7	0.69
98-82-8	Isopropylbenzene	0.17	U	3.3	0.17
1634-04-4	Methyl tert-butyl ether	0.40	U	3.3	0.40
75-09-2	Methylene Chloride	1.1	U	3.3	1.1
179601-23-1	m-Xylene & p-Xylene	0.27	U	3.3	0.27
91-20-3	Naphthalene	0.35	U	3.3	0.35
104-51-8	n-Butylbenzene	0.28	U	3.3	0.28
103-65-1	N-Propylbenzene	0.81	U	3.3	0.81
95-47-6	o-Xylene	0.23	U	3.3	0.23
135-98-8	sec-Butylbenzene	0.21	U	3.3	0.21
100-42-5	Styrene	0.36	U	3.3	0.36
994-05-8	Tert-amyl methyl ether	0.56	U	3.3	0.56
637-92-3	Ethyl tert-butyl ether	0.21	U	3.3	0.21
127-18-4	Tetrachloroethene	0.36	U	3.3	0.36
108-88-3	Toluene	0.19	J B	3.3	0.13
156-60-5	trans-1,2-Dichloroethene	0.35	U	3.3	0.35
10061-02-6	trans-1,3-Dichloropropene	0.35	U	3.3	0.35
79-01-6	Trichloroethene	0.52	U	3.3	0.52
75-69-4	Trichlorofluoromethane	0.47	U	3.3	0.47
108-05-4	Vinyl acetate	1.4	U	6.7	1.4
75-01-4	Vinyl chloride	0.23	U	3.3	0.23
1330-20-7	Xylenes, Total	0.43	U	6.7	0.43
98-06-6	tert-Butylbenzene	0.45	U	3.3	0.45
106-93-4	1,2-Dibromoethane	0.43	U	3.3	0.43

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TG3N-050516 | Lab Sample ID: 240-64493-6

Matrix: Solid | Lab File ID: UX83679.D

Analysis Method: 8260B | Date Collected: 05/05/2016 11:30

Sample wt/vol: 1.08(g) | Date Analyzed: 05/13/2016 09:08

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1.429

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 45.6 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	72		33-134
1868-53-7	Dibromofluoromethane (Surr)	60		30-122
460-00-4	4-Bromofluorobenzene (Surr)	69		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	69		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TG3N-050516 | Lab Sample ID: 240-64493-6

Matrix: Solid | Lab File ID: UX83679.D

Analysis Method: 8260B | Date Collected: 05/05/2016 11:30

Sample wt/vol: 1.08(g) | Date Analyzed: 05/13/2016 09:08

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1.429

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 45.6 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

Number TICs Found: 9 | TIC Result Total: 2679.4

CAS NO.	COMPOUND NAME	RT	RESULT	Q
508-32-7	Tricyclo[2.2.1.02,6]heptane, 1,7,7-trime	8.48	6.2	T J N
80-56-8	.alpha.-Pinene	8.62	1500	T J N
79-92-5	Camphene	8.89	83	T J N
127-91-3	.beta.-Pinene	9.25	980	T J N
535-77-3	Benzene, 1-methyl-3-(1-methylethyl)-	9.52	3.6	T J N
99-86-5	1,3-Cyclohexadiene, 1-methyl-4-(1-methyl	9.67	3.8	T J N
5989-27-5	D-Limonene	9.80	82	T J N
586-62-9	Cyclohexene, 1-methyl-4-(1-methylethylid	10.48	17	T J N
471-84-1	Bicyclo[2.2.1]heptane, 7,7-dimethyl-2-me	12.21	3.8	T J N

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TG3N-050516 | Lab Sample ID: 240-64493-6

Matrix: Solid | Lab File ID: UX83679.D

Analysis Method: 8260B | Date Collected: 05/05/2016 11:30

Sample wt/vol: 1.08(g) | Date Analyzed: 05/13/2016 09:08

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1.429

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 45.6 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.60	3.3	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL8N-050516 | Lab Sample ID: 240-64493-7

Matrix: Solid | Lab File ID: UX83680.D

Analysis Method: 8260B | Date Collected: 05/05/2016 13:00

Sample wt/vol: 1.46(g) | Date Analyzed: 05/13/2016 09:30

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 43.5 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.33	U	1.7	0.33
71-55-6	1,1,1-Trichloroethane	0.18	U	1.7	0.18
79-34-5	1,1,2,2-Tetrachloroethane	0.17	U	1.7	0.17
76-13-1	1,1,2-Trichlorotrifluoroethane	0.29	U	1.7	0.29
75-34-3	1,1-Dichloroethane	0.24	U	1.7	0.24
75-35-4	1,1-Dichloroethene	0.20	U	1.7	0.20
563-58-6	1,1-Dichloropropene	0.26	U	1.7	0.26
87-61-6	1,2,3-Trichlorobenzene	0.27	U	1.7	0.27
96-18-4	1,2,3-Trichloropropane	0.70	U	1.7	0.70
526-73-8	1,2,3-Trimethylbenzene	0.089	U	1.7	0.089
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1.7	0.20
95-63-6	1,2,4-Trimethylbenzene	0.089	U	1.7	0.089
96-12-8	1,2-Dibromo-3-Chloropropane	0.48	U	3.4	0.48
95-50-1	1,2-Dichlorobenzene	0.13	U	1.7	0.13
107-06-2	1,2-Dichloroethane	0.068	U	1.7	0.068
78-87-5	1,2-Dichloropropane	0.22	U	1.7	0.22
541-73-1	1,3-Dichlorobenzene	0.20	U	1.7	0.20
142-28-9	1,3-Dichloropropane	0.16	U	1.7	0.16
106-46-7	1,4-Dichlorobenzene	0.28	U	1.7	0.28
594-20-7	2,2-Dichloropropane	0.36	U	1.7	0.36
78-93-3	2-Butanone (MEK)	0.50	U	6.8	0.50
110-75-8	2-Chloroethyl vinyl ether	0.53	U	6.8	0.53
95-49-8	2-Chlorotoluene	0.28	U	1.7	0.28
591-78-6	2-Hexanone	0.57	U	6.8	0.57
106-43-4	4-Chlorotoluene	0.18	U	1.7	0.18
99-87-6	4-Isopropyltoluene	0.69	J	1.7	0.17
108-10-1	4-Methyl-2-pentanone (MIBK)	0.38	U	6.8	0.38
67-64-1	Acetone	1.5	U	6.8	1.5
71-43-2	Benzene	0.061	U	1.7	0.061
108-86-1	Bromobenzene	0.089	U	1.7	0.089
75-25-2	Bromoform	0.42	U	1.7	0.42
74-83-9	Bromomethane	0.35	U	1.7	0.35
75-15-0	Carbon disulfide	0.38	U	1.7	0.38
56-23-5	Carbon tetrachloride	0.12	U	1.7	0.12
108-90-7	Chlorobenzene	0.089	U	1.7	0.089
124-48-1	Chlorodibromomethane	0.14	U	1.7	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL8N-050516 | Lab Sample ID: 240-64493-7

Matrix: Solid | Lab File ID: UX83680.D

Analysis Method: 8260B | Date Collected: 05/05/2016 13:00

Sample wt/vol: 1.46(g) | Date Analyzed: 05/13/2016 09:30

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 43.5 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.35	U	1.7	0.35
67-66-3	Chloroform	0.25	U	1.7	0.25
74-87-3	Chloromethane	0.33	U	1.7	0.33
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.7	0.26
10061-01-5	cis-1,3-Dichloropropene	0.15	U	1.7	0.15
74-95-3	Dibromomethane	0.34	U	1.7	0.34
74-97-5	Bromochloromethane	0.48	U	1.7	0.48
75-71-8	Dichlorodifluoromethane	0.42	U	1.7	0.42
75-27-4	Bromodichloromethane	0.26	U	1.7	0.26
75-65-0	tert-Butyl alcohol	5.7	U *	68	5.7
100-41-4	Ethylbenzene	0.24	U	1.7	0.24
87-68-3	Hexachlorobutadiene	0.30	U	1.7	0.30
108-20-3	Diisopropyl ether	0.36	U	3.4	0.36
98-82-8	Isopropylbenzene	0.089	U	1.7	0.089
1634-04-4	Methyl tert-butyl ether	0.20	U	1.7	0.20
75-09-2	Methylene Chloride	0.58	U	1.7	0.58
179601-23-1	m-Xylene & p-Xylene	0.14	U	1.7	0.14
91-20-3	Naphthalene	0.18	U	1.7	0.18
104-51-8	n-Butylbenzene	0.14	U	1.7	0.14
103-65-1	N-Propylbenzene	0.42	U	1.7	0.42
95-47-6	o-Xylene	0.12	U	1.7	0.12
135-98-8	sec-Butylbenzene	0.11	U	1.7	0.11
100-42-5	Styrene	0.18	U	1.7	0.18
994-05-8	Tert-amyl methyl ether	0.29	U	1.7	0.29
637-92-3	Ethyl tert-butyl ether	0.11	U	1.7	0.11
127-18-4	Tetrachloroethene	0.18	U	1.7	0.18
108-88-3	Toluene	0.10	J B	1.7	0.068
156-60-5	trans-1,2-Dichloroethene	0.18	U	1.7	0.18
10061-02-6	trans-1,3-Dichloropropene	0.18	U	1.7	0.18
79-01-6	Trichloroethene	0.27	U	1.7	0.27
75-69-4	Trichlorofluoromethane	0.24	U	1.7	0.24
108-05-4	Vinyl acetate	0.70	U	3.4	0.70
75-01-4	Vinyl chloride	0.12	U	1.7	0.12
1330-20-7	Xylenes, Total	0.22	U	3.4	0.22
98-06-6	tert-Butylbenzene	0.23	U	1.7	0.23
106-93-4	1,2-Dibromoethane	0.22	U	1.7	0.22

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL8N-050516 | Lab Sample ID: 240-64493-7

Matrix: Solid | Lab File ID: UX83680.D

Analysis Method: 8260B | Date Collected: 05/05/2016 13:00

Sample wt/vol: 1.46(g) | Date Analyzed: 05/13/2016 09:30

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 43.5 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	74		33-134
1868-53-7	Dibromofluoromethane (Surr)	58		30-122
460-00-4	4-Bromofluorobenzene (Surr)	65		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	67		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL8N-050516 | Lab Sample ID: 240-64493-7

Matrix: Solid | Lab File ID: UX83680.D

Analysis Method: 8260B | Date Collected: 05/05/2016 13:00

Sample wt/vol: 1.46(g) | Date Analyzed: 05/13/2016 09:30

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 43.5 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL8N-050516 | Lab Sample ID: 240-64493-7

Matrix: Solid | Lab File ID: UX83680.D

Analysis Method: 8260B | Date Collected: 05/05/2016 13:00

Sample wt/vol: 1.46(g) | Date Analyzed: 05/13/2016 09:30

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 43.5 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.59	1.7	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL8S-050516 | Lab Sample ID: 240-64493-8

Matrix: Solid | Lab File ID: UX83681.D

Analysis Method: 8260B | Date Collected: 05/05/2016 13:30

Sample wt/vol: 1.28(g) | Date Analyzed: 05/13/2016 09:51

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 39.5 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.35	U	1.8	0.35
71-55-6	1,1,1-Trichloroethane	0.19	U	1.8	0.19
79-34-5	1,1,2,2-Tetrachloroethane	0.18	U	1.8	0.18
76-13-1	1,1,2-Trichlorotrifluoroethane	0.30	U	1.8	0.30
75-34-3	1,1-Dichloroethane	0.25	U	1.8	0.25
75-35-4	1,1-Dichloroethene	0.21	U	1.8	0.21
563-58-6	1,1-Dichloropropene	0.27	U	1.8	0.27
87-61-6	1,2,3-Trichlorobenzene	0.28	U	1.8	0.28
96-18-4	1,2,3-Trichloropropane	0.73	U	1.8	0.73
526-73-8	1,2,3-Trimethylbenzene	0.092	U	1.8	0.092
120-82-1	1,2,4-Trichlorobenzene	0.21	U	1.8	0.21
95-63-6	1,2,4-Trimethylbenzene	0.092	U	1.8	0.092
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U	3.6	0.50
95-50-1	1,2-Dichlorobenzene	0.14	U	1.8	0.14
107-06-2	1,2-Dichloroethane	0.071	U	1.8	0.071
78-87-5	1,2-Dichloropropane	0.23	U	1.8	0.23
541-73-1	1,3-Dichlorobenzene	0.21	U	1.8	0.21
142-28-9	1,3-Dichloropropane	0.16	U	1.8	0.16
106-46-7	1,4-Dichlorobenzene	0.29	U	1.8	0.29
594-20-7	2,2-Dichloropropane	0.37	U	1.8	0.37
78-93-3	2-Butanone (MEK)	0.52	U	7.1	0.52
110-75-8	2-Chloroethyl vinyl ether	0.55	U	7.1	0.55
95-49-8	2-Chlorotoluene	0.29	U	1.8	0.29
591-78-6	2-Hexanone	0.60	U	7.1	0.60
106-43-4	4-Chlorotoluene	0.18	U	1.8	0.18
99-87-6	4-Isopropyltoluene	0.28	J	1.8	0.18
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	U	7.1	0.40
67-64-1	Acetone	1.6	U	7.1	1.6
71-43-2	Benzene	0.064	U	1.8	0.064
108-86-1	Bromobenzene	0.092	U	1.8	0.092
75-25-2	Bromoform	0.43	U	1.8	0.43
74-83-9	Bromomethane	0.36	U	1.8	0.36
75-15-0	Carbon disulfide	0.40	U	1.8	0.40
56-23-5	Carbon tetrachloride	0.13	U	1.8	0.13
108-90-7	Chlorobenzene	0.092	U	1.8	0.092
124-48-1	Chlorodibromomethane	0.14	U	1.8	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL8S-050516 | Lab Sample ID: 240-64493-8

Matrix: Solid | Lab File ID: UX83681.D

Analysis Method: 8260B | Date Collected: 05/05/2016 13:30

Sample wt/vol: 1.28(g) | Date Analyzed: 05/13/2016 09:51

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 39.5 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.36	U	1.8	0.36
67-66-3	Chloroform	0.26	U	1.8	0.26
74-87-3	Chloromethane	0.34	U	1.8	0.34
156-59-2	cis-1,2-Dichloroethene	0.27	U	1.8	0.27
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.8	0.16
74-95-3	Dibromomethane	0.36	U	1.8	0.36
74-97-5	Bromochloromethane	0.50	U	1.8	0.50
75-71-8	Dichlorodifluoromethane	0.43	U	1.8	0.43
75-27-4	Bromodichloromethane	0.27	U	1.8	0.27
75-65-0	tert-Butyl alcohol	5.9	U *	71	5.9
100-41-4	Ethylbenzene	0.25	U	1.8	0.25
87-68-3	Hexachlorobutadiene	0.31	U	1.8	0.31
108-20-3	Diisopropyl ether	0.37	U	3.6	0.37
98-82-8	Isopropylbenzene	0.092	U	1.8	0.092
1634-04-4	Methyl tert-butyl ether	0.21	U	1.8	0.21
75-09-2	Methylene Chloride	0.60	U	1.8	0.60
179601-23-1	m-Xylene & p-Xylene	0.14	U	1.8	0.14
91-20-3	Naphthalene	0.18	U	1.8	0.18
104-51-8	n-Butylbenzene	0.15	U	1.8	0.15
103-65-1	N-Propylbenzene	0.43	U	1.8	0.43
95-47-6	o-Xylene	0.12	U	1.8	0.12
135-98-8	sec-Butylbenzene	0.11	U	1.8	0.11
100-42-5	Styrene	0.19	U	1.8	0.19
994-05-8	Tert-amyl methyl ether	0.30	U	1.8	0.30
637-92-3	Ethyl tert-butyl ether	0.11	U	1.8	0.11
127-18-4	Tetrachloroethene	0.19	U	1.8	0.19
108-88-3	Toluene	0.11	J B	1.8	0.071
156-60-5	trans-1,2-Dichloroethene	0.18	U	1.8	0.18
10061-02-6	trans-1,3-Dichloropropene	0.18	U	1.8	0.18
79-01-6	Trichloroethene	0.28	U	1.8	0.28
75-69-4	Trichlorofluoromethane	0.25	U	1.8	0.25
108-05-4	Vinyl acetate	0.73	U	3.6	0.73
75-01-4	Vinyl chloride	0.12	U	1.8	0.12
1330-20-7	Xylenes, Total	0.23	U	3.6	0.23
98-06-6	tert-Butylbenzene	0.24	U	1.8	0.24
106-93-4	1,2-Dibromoethane	0.23	U	1.8	0.23

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL8S-050516 | Lab Sample ID: 240-64493-8

Matrix: Solid | Lab File ID: UX83681.D

Analysis Method: 8260B | Date Collected: 05/05/2016 13:30

Sample wt/vol: 1.28(g) | Date Analyzed: 05/13/2016 09:51

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 39.5 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	71		33-134
1868-53-7	Dibromofluoromethane (Surr)	61		30-122
460-00-4	4-Bromofluorobenzene (Surr)	64		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	70		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL8S-050516 | Lab Sample ID: 240-64493-8

Matrix: Solid | Lab File ID: UX83681.D

Analysis Method: 8260B | Date Collected: 05/05/2016 13:30

Sample wt/vol: 1.28(g) | Date Analyzed: 05/13/2016 09:51

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 39.5 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

FORM I-TIC 8260B

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL8S-050516 | Lab Sample ID: 240-64493-8

Matrix: Solid | Lab File ID: UX83681.D

Analysis Method: 8260B | Date Collected: 05/05/2016 13:30

Sample wt/vol: 1.28(g) | Date Analyzed: 05/13/2016 09:51

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 39.5 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.60	1.8	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL7S-050516 | Lab Sample ID: 240-64493-9

Matrix: Solid | Lab File ID: UX83682.D

Analysis Method: 8260B | Date Collected: 05/05/2016 14:15

Sample wt/vol: 1.24(g) | Date Analyzed: 05/13/2016 10:12

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 48.8 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	2.2	0.43
71-55-6	1,1,1-Trichloroethane	0.24	U	2.2	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.22	U	2.2	0.22
76-13-1	1,1,2-Trichlorotrifluoroethane	0.37	U	2.2	0.37
75-34-3	1,1-Dichloroethane	0.31	U	2.2	0.31
75-35-4	1,1-Dichloroethene	0.26	U	2.2	0.26
563-58-6	1,1-Dichloropropene	0.34	U	2.2	0.34
87-61-6	1,2,3-Trichlorobenzene	0.34	U	2.2	0.34
96-18-4	1,2,3-Trichloropropane	0.91	U	2.2	0.91
526-73-8	1,2,3-Trimethylbenzene	0.11	U	2.2	0.11
120-82-1	1,2,4-Trichlorobenzene	0.26	U	2.2	0.26
95-63-6	1,2,4-Trimethylbenzene	0.11	U	2.2	0.11
96-12-8	1,2-Dibromo-3-Chloropropane	0.63	U	4.4	0.63
95-50-1	1,2-Dichlorobenzene	0.17	U	2.2	0.17
107-06-2	1,2-Dichloroethane	0.088	U	2.2	0.088
78-87-5	1,2-Dichloropropane	0.28	U	2.2	0.28
541-73-1	1,3-Dichlorobenzene	0.26	U	2.2	0.26
142-28-9	1,3-Dichloropropane	0.20	U	2.2	0.20
106-46-7	1,4-Dichlorobenzene	0.36	U	2.2	0.36
594-20-7	2,2-Dichloropropane	0.46	U	2.2	0.46
78-93-3	2-Butanone (MEK)	0.64	U	8.8	0.64
110-75-8	2-Chloroethyl vinyl ether	0.69	U	8.8	0.69
95-49-8	2-Chlorotoluene	0.36	U	2.2	0.36
591-78-6	2-Hexanone	0.74	U	8.8	0.74
106-43-4	4-Chlorotoluene	0.23	U	2.2	0.23
99-87-6	4-Isopropyltoluene	0.22	U	2.2	0.22
108-10-1	4-Methyl-2-pentanone (MIBK)	0.49	U	8.8	0.49
67-64-1	Acetone	2.0	U	8.8	2.0
71-43-2	Benzene	0.079	U	2.2	0.079
108-86-1	Bromobenzene	0.11	U	2.2	0.11
75-25-2	Bromoform	0.54	U	2.2	0.54
74-83-9	Bromomethane	0.45	U	2.2	0.45
75-15-0	Carbon disulfide	0.49	U	2.2	0.49
56-23-5	Carbon tetrachloride	0.16	U	2.2	0.16
108-90-7	Chlorobenzene	0.11	U	2.2	0.11
124-48-1	Chlorodibromomethane	0.18	U	2.2	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL7S-050516 | Lab Sample ID: 240-64493-9

Matrix: Solid | Lab File ID: UX83682.D

Analysis Method: 8260B | Date Collected: 05/05/2016 14:15

Sample wt/vol: 1.24(g) | Date Analyzed: 05/13/2016 10:12

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 48.8 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.45	U	2.2	0.45
67-66-3	Chloroform	0.32	U	2.2	0.32
74-87-3	Chloromethane	0.42	U	2.2	0.42
156-59-2	cis-1,2-Dichloroethene	0.34	U	2.2	0.34
10061-01-5	cis-1,3-Dichloropropene	0.19	U	2.2	0.19
74-95-3	Dibromomethane	0.44	U	2.2	0.44
74-97-5	Bromochloromethane	0.62	U	2.2	0.62
75-71-8	Dichlorodifluoromethane	0.54	U	2.2	0.54
75-27-4	Bromodichloromethane	0.34	U	2.2	0.34
75-65-0	tert-Butyl alcohol	7.4	U *	88	7.4
100-41-4	Ethylbenzene	0.31	U	2.2	0.31
87-68-3	Hexachlorobutadiene	0.39	U	2.2	0.39
108-20-3	Diisopropyl ether	0.46	U	4.4	0.46
98-82-8	Isopropylbenzene	0.11	U	2.2	0.11
1634-04-4	Methyl tert-butyl ether	0.26	U	2.2	0.26
75-09-2	Methylene Chloride	0.75	U	2.2	0.75
179601-23-1	m-Xylene & p-Xylene	0.18	U	2.2	0.18
91-20-3	Naphthalene	0.23	U	2.2	0.23
104-51-8	n-Butylbenzene	0.19	U	2.2	0.19
103-65-1	N-Propylbenzene	0.54	U	2.2	0.54
95-47-6	o-Xylene	0.15	U	2.2	0.15
135-98-8	sec-Butylbenzene	0.14	U	2.2	0.14
100-42-5	Styrene	0.24	U	2.2	0.24
994-05-8	Tert-amyl methyl ether	0.37	U	2.2	0.37
637-92-3	Ethyl tert-butyl ether	0.14	U	2.2	0.14
127-18-4	Tetrachloroethene	0.24	U	2.2	0.24
108-88-3	Toluene	0.12	J B	2.2	0.088
156-60-5	trans-1,2-Dichloroethene	0.23	U	2.2	0.23
10061-02-6	trans-1,3-Dichloropropene	0.23	U	2.2	0.23
79-01-6	Trichloroethene	0.34	U	2.2	0.34
75-69-4	Trichlorofluoromethane	0.31	U	2.2	0.31
108-05-4	Vinyl acetate	0.91	U	4.4	0.91
75-01-4	Vinyl chloride	0.15	U	2.2	0.15
1330-20-7	Xylenes, Total	0.28	U	4.4	0.28
98-06-6	tert-Butylbenzene	0.30	U	2.2	0.30
106-93-4	1,2-Dibromoethane	0.28	U	2.2	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL7S-050516 Lab Sample ID: 240-64493-9

Matrix: Solid Lab File ID: UX83682.D

Analysis Method: 8260B Date Collected: 05/05/2016 14:15

Sample wt/vol: 1.24(g) Date Analyzed: 05/13/2016 10:12

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 48.8 Level: (low/med) Medium

Analysis Batch No.: 230141 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	71		33-134
1868-53-7	Dibromofluoromethane (Surr)	60		30-122
460-00-4	4-Bromofluorobenzene (Surr)	64		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	72		39-128

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

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL7S-050516 Lab Sample ID: 240-64493-9

Matrix: Solid Lab File ID: UX83682.D

Analysis Method: 8260B Date Collected: 05/05/2016 14:15

Sample wt/vol: 1.24(g) Date Analyzed: 05/13/2016 10:12

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 48.8 Level: (low/med) Medium

Analysis Batch No.: 230141 Units: mg/Kg

Number TICs Found: 0 TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL7S-050516 | Lab Sample ID: 240-64493-9

Matrix: Solid | Lab File ID: UX83682.D

Analysis Method: 8260B | Date Collected: 05/05/2016 14:15

Sample wt/vol: 1.24(g) | Date Analyzed: 05/13/2016 10:12

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 48.8 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.59	2.2	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL7N-050516 | Lab Sample ID: 240-64493-10

Matrix: Solid | Lab File ID: UX83683.D

Analysis Method: 8260B | Date Collected: 05/05/2016 14:45

Sample wt/vol: 1.05(g) | Date Analyzed: 05/13/2016 10:33

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.8 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.41	U	2.1	0.41
71-55-6	1,1,1-Trichloroethane	0.23	U	2.1	0.23
79-34-5	1,1,2,2-Tetrachloroethane	0.21	U	2.1	0.21
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	2.1	0.35
75-34-3	1,1-Dichloroethane	0.29	U	2.1	0.29
75-35-4	1,1-Dichloroethene	0.25	U	2.1	0.25
563-58-6	1,1-Dichloropropene	0.32	U	2.1	0.32
87-61-6	1,2,3-Trichlorobenzene	0.33	U	2.1	0.33
96-18-4	1,2,3-Trichloropropane	0.87	U	2.1	0.87
526-73-8	1,2,3-Trimethylbenzene	0.11	U	2.1	0.11
120-82-1	1,2,4-Trichlorobenzene	0.25	U	2.1	0.25
95-63-6	1,2,4-Trimethylbenzene	0.11	U	2.1	0.11
96-12-8	1,2-Dibromo-3-Chloropropane	0.60	U	4.2	0.60
95-50-1	1,2-Dichlorobenzene	0.16	U	2.1	0.16
107-06-2	1,2-Dichloroethane	0.084	U	2.1	0.084
78-87-5	1,2-Dichloropropane	0.27	U	2.1	0.27
541-73-1	1,3-Dichlorobenzene	0.25	U	2.1	0.25
142-28-9	1,3-Dichloropropane	0.19	U	2.1	0.19
106-46-7	1,4-Dichlorobenzene	0.35	U	2.1	0.35
594-20-7	2,2-Dichloropropane	0.44	U	2.1	0.44
78-93-3	2-Butanone (MEK)	0.61	U	8.4	0.61
110-75-8	2-Chloroethyl vinyl ether	0.66	U	8.4	0.66
95-49-8	2-Chlorotoluene	0.35	U	2.1	0.35
591-78-6	2-Hexanone	0.71	U	8.4	0.71
106-43-4	4-Chlorotoluene	0.22	U	2.1	0.22
99-87-6	4-Isopropyltoluene	0.21	U	2.1	0.21
108-10-1	4-Methyl-2-pentanone (MIBK)	0.47	U	8.4	0.47
67-64-1	Acetone	1.9	U	8.4	1.9
71-43-2	Benzene	0.076	U	2.1	0.076
108-86-1	Bromobenzene	0.11	U	2.1	0.11
75-25-2	Bromoform	0.51	U	2.1	0.51
74-83-9	Bromomethane	0.43	U	2.1	0.43
75-15-0	Carbon disulfide	0.47	U	2.1	0.47
56-23-5	Carbon tetrachloride	0.15	U	2.1	0.15
108-90-7	Chlorobenzene	0.11	U	2.1	0.11
124-48-1	Chlorodibromomethane	0.17	U	2.1	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL7N-050516 | Lab Sample ID: 240-64493-10

Matrix: Solid | Lab File ID: UX83683.D

Analysis Method: 8260B | Date Collected: 05/05/2016 14:45

Sample wt/vol: 1.05(g) | Date Analyzed: 05/13/2016 10:33

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.8 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.43	U	2.1	0.43
67-66-3	Chloroform	0.30	U	2.1	0.30
74-87-3	Chloromethane	0.40	U	2.1	0.40
156-59-2	cis-1,2-Dichloroethene	0.32	U	2.1	0.32
10061-01-5	cis-1,3-Dichloropropene	0.19	U	2.1	0.19
74-95-3	Dibromomethane	0.42	U	2.1	0.42
74-97-5	Bromochloromethane	0.59	U	2.1	0.59
75-71-8	Dichlorodifluoromethane	0.51	U	2.1	0.51
75-27-4	Bromodichloromethane	0.32	U	2.1	0.32
75-65-0	tert-Butyl alcohol	7.0	U *	84	7.0
100-41-4	Ethylbenzene	0.29	U	2.1	0.29
87-68-3	Hexachlorobutadiene	0.37	U	2.1	0.37
108-20-3	Diisopropyl ether	0.44	U	4.2	0.44
98-82-8	Isopropylbenzene	0.11	U	2.1	0.11
1634-04-4	Methyl tert-butyl ether	0.25	U	2.1	0.25
75-09-2	Methylene Chloride	0.72	U	2.1	0.72
179601-23-1	m-Xylene & p-Xylene	0.17	U	2.1	0.17
91-20-3	Naphthalene	0.22	U	2.1	0.22
104-51-8	n-Butylbenzene	0.18	U	2.1	0.18
103-65-1	N-Propylbenzene	0.51	U	2.1	0.51
95-47-6	o-Xylene	0.14	U	2.1	0.14
135-98-8	sec-Butylbenzene	0.13	U	2.1	0.13
100-42-5	Styrene	0.23	U	2.1	0.23
994-05-8	Tert-amyl methyl ether	0.35	U	2.1	0.35
637-92-3	Ethyl tert-butyl ether	0.13	U	2.1	0.13
127-18-4	Tetrachloroethene	0.23	U	2.1	0.23
108-88-3	Toluene	0.11	J B	2.1	0.084
156-60-5	trans-1,2-Dichloroethene	0.22	U	2.1	0.22
10061-02-6	trans-1,3-Dichloropropene	0.22	U	2.1	0.22
79-01-6	Trichloroethene	0.33	U	2.1	0.33
75-69-4	Trichlorofluoromethane	0.29	U	2.1	0.29
108-05-4	Vinyl acetate	0.87	U	4.2	0.87
75-01-4	Vinyl chloride	0.14	U	2.1	0.14
1330-20-7	Xylenes, Total	0.27	U	4.2	0.27
98-06-6	tert-Butylbenzene	0.29	U	2.1	0.29
106-93-4	1,2-Dibromoethane	0.27	U	2.1	0.27

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL7N-050516 | Lab Sample ID: 240-64493-10

Matrix: Solid | Lab File ID: UX83683.D

Analysis Method: 8260B | Date Collected: 05/05/2016 14:45

Sample wt/vol: 1.05(g) | Date Analyzed: 05/13/2016 10:33

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.8 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	72		33-134
1868-53-7	Dibromofluoromethane (Surr)	60		30-122
460-00-4	4-Bromofluorobenzene (Surr)	65		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	70		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL7N-050516 | Lab Sample ID: 240-64493-10

Matrix: Solid | Lab File ID: UX83683.D

Analysis Method: 8260B | Date Collected: 05/05/2016 14:45

Sample wt/vol: 1.05(g) | Date Analyzed: 05/13/2016 10:33

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.8 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL7N-050516 | Lab Sample ID: 240-64493-10

Matrix: Solid | Lab File ID: UX83683.D

Analysis Method: 8260B | Date Collected: 05/05/2016 14:45

Sample wt/vol: 1.05(g) | Date Analyzed: 05/13/2016 10:33

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.8 | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.60	2.1	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL17S-050516 | Lab Sample ID: 240-64493-11

Matrix: Solid | Lab File ID: UX83693.D

Analysis Method: 8260B | Date Collected: 05/05/2016 15:05

Sample wt/vol: 1.25(g) | Date Analyzed: 05/14/2016 04:21

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 30.6 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.30	U	1.6	0.30
71-55-6	1,1,1-Trichloroethane	0.17	U	1.6	0.17
79-34-5	1,1,2,2-Tetrachloroethane	0.16	U	1.6	0.16
76-13-1	1,1,2-Trichlorotrifluoroethane	0.26	U	1.6	0.26
75-34-3	1,1-Dichloroethane	0.22	U	1.6	0.22
75-35-4	1,1-Dichloroethene	0.19	U	1.6	0.19
563-58-6	1,1-Dichloropropene	0.24	U	1.6	0.24
87-61-6	1,2,3-Trichlorobenzene	0.24	U	1.6	0.24
96-18-4	1,2,3-Trichloropropane	0.64	U	1.6	0.64
526-73-8	1,2,3-Trimethylbenzene	0.081	U	1.6	0.081
120-82-1	1,2,4-Trichlorobenzene	0.19	U	1.6	0.19
95-63-6	1,2,4-Trimethylbenzene	0.081	U	1.6	0.081
96-12-8	1,2-Dibromo-3-Chloropropane	0.44	U	3.1	0.44
95-50-1	1,2-Dichlorobenzene	0.12	U	1.6	0.12
107-06-2	1,2-Dichloroethane	0.062	U	1.6	0.062
78-87-5	1,2-Dichloropropane	0.20	U	1.6	0.20
541-73-1	1,3-Dichlorobenzene	0.19	U	1.6	0.19
142-28-9	1,3-Dichloropropane	0.14	U	1.6	0.14
106-46-7	1,4-Dichlorobenzene	0.25	U	1.6	0.25
594-20-7	2,2-Dichloropropane	0.32	U	1.6	0.32
78-93-3	2-Butanone (MEK)	0.45	U	6.2	0.45
110-75-8	2-Chloroethyl vinyl ether	0.48	U	6.2	0.48
95-49-8	2-Chlorotoluene	0.25	U	1.6	0.25
591-78-6	2-Hexanone	0.52	U	6.2	0.52
106-43-4	4-Chlorotoluene	0.16	U	1.6	0.16
99-87-6	4-Isopropyltoluene	0.16	U	1.6	0.16
108-10-1	4-Methyl-2-pentanone (MIBK)	0.35	U	6.2	0.35
67-64-1	Acetone	1.5	J	6.2	1.4
71-43-2	Benzene	0.056	U	1.6	0.056
108-86-1	Bromobenzene	0.081	U	1.6	0.081
75-25-2	Bromoform	0.38	U	1.6	0.38
74-83-9	Bromomethane	0.32	U	1.6	0.32
75-15-0	Carbon disulfide	0.35	U	1.6	0.35
56-23-5	Carbon tetrachloride	0.11	U	1.6	0.11
108-90-7	Chlorobenzene	0.081	U	1.6	0.081
124-48-1	Chlorodibromomethane	0.12	U	1.6	0.12

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL17S-050516 | Lab Sample ID: 240-64493-11

Matrix: Solid | Lab File ID: UX83693.D

Analysis Method: 8260B | Date Collected: 05/05/2016 15:05

Sample wt/vol: 1.25(g) | Date Analyzed: 05/14/2016 04:21

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 30.6 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.32	U	1.6	0.32
67-66-3	Chloroform	0.22	U	1.6	0.22
74-87-3	Chloromethane	0.30	U	1.6	0.30
156-59-2	cis-1,2-Dichloroethene	0.24	U	1.6	0.24
10061-01-5	cis-1,3-Dichloropropene	0.14	U	1.6	0.14
74-95-3	Dibromomethane	0.31	U	1.6	0.31
74-97-5	Bromochloromethane	0.43	U	1.6	0.43
75-71-8	Dichlorodifluoromethane	0.38	U	1.6	0.38
75-27-4	Bromodichloromethane	0.24	U	1.6	0.24
75-65-0	tert-Butyl alcohol	5.2	U *	62	5.2
100-41-4	Ethylbenzene	0.22	U	1.6	0.22
87-68-3	Hexachlorobutadiene	0.27	U	1.6	0.27
108-20-3	Diisopropyl ether	0.32	U	3.1	0.32
98-82-8	Isopropylbenzene	0.081	U	1.6	0.081
1634-04-4	Methyl tert-butyl ether	0.19	U	1.6	0.19
75-09-2	Methylene Chloride	0.53	U	1.6	0.53
179601-23-1	m-Xylene & p-Xylene	0.12	U	1.6	0.12
91-20-3	Naphthalene	0.16	U	1.6	0.16
104-51-8	n-Butylbenzene	0.13	U	1.6	0.13
103-65-1	N-Propylbenzene	0.38	U	1.6	0.38
95-47-6	o-Xylene	0.11	U	1.6	0.11
135-98-8	sec-Butylbenzene	0.099	U	1.6	0.099
100-42-5	Styrene	0.17	U	1.6	0.17
994-05-8	Tert-amyl methyl ether	0.26	U	1.6	0.26
637-92-3	Ethyl tert-butyl ether	0.099	U	1.6	0.099
127-18-4	Tetrachloroethene	0.17	U	1.6	0.17
108-88-3	Toluene	0.12	J B	1.6	0.062
156-60-5	trans-1,2-Dichloroethene	0.16	U	1.6	0.16
10061-02-6	trans-1,3-Dichloropropene	0.16	U	1.6	0.16
79-01-6	Trichloroethene	0.24	U	1.6	0.24
75-69-4	Trichlorofluoromethane	0.22	U	1.6	0.22
108-05-4	Vinyl acetate	0.64	U	3.1	0.64
75-01-4	Vinyl chloride	0.11	U	1.6	0.11
1330-20-7	Xylenes, Total	0.20	U	3.1	0.20
98-06-6	tert-Butylbenzene	0.21	U	1.6	0.21
106-93-4	1,2-Dibromoethane	0.20	U	1.6	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL17S-050516 | Lab Sample ID: 240-64493-11

Matrix: Solid | Lab File ID: UX83693.D

Analysis Method: 8260B | Date Collected: 05/05/2016 15:05

Sample wt/vol: 1.25(g) | Date Analyzed: 05/14/2016 04:21

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 30.6 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	74		33-134
1868-53-7	Dibromofluoromethane (Surr)	64		30-122
460-00-4	4-Bromofluorobenzene (Surr)	68		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	70		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL17S-050516 | Lab Sample ID: 240-64493-11

Matrix: Solid | Lab File ID: UX83693.D

Analysis Method: 8260B | Date Collected: 05/05/2016 15:05

Sample wt/vol: 1.25(g) | Date Analyzed: 05/14/2016 04:21

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 30.6 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

Number TICs Found: 1 | TIC Result Total: 1.6

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	2.18	1.6	T J

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL17S-050516 | Lab Sample ID: 240-64493-11

Matrix: Solid | Lab File ID: UX83693.D

Analysis Method: 8260B | Date Collected: 05/05/2016 15:05

Sample wt/vol: 1.25(g) | Date Analyzed: 05/14/2016 04:21

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 30.6 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.60	1.6	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL17N-050516 | Lab Sample ID: 240-64493-12

Matrix: Solid | Lab File ID: UX83694.D

Analysis Method: 8260B | Date Collected: 05/05/2016 15:25

Sample wt/vol: 1.05(g) | Date Analyzed: 05/14/2016 04:42

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.2 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.41	U	2.1	0.41
71-55-6	1,1,1-Trichloroethane	0.22	U	2.1	0.22
79-34-5	1,1,2,2-Tetrachloroethane	0.21	U	2.1	0.21
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	2.1	0.35
75-34-3	1,1-Dichloroethane	0.29	U	2.1	0.29
75-35-4	1,1-Dichloroethene	0.25	U	2.1	0.25
563-58-6	1,1-Dichloropropene	0.32	U	2.1	0.32
87-61-6	1,2,3-Trichlorobenzene	0.32	U	2.1	0.32
96-18-4	1,2,3-Trichloropropane	0.86	U	2.1	0.86
526-73-8	1,2,3-Trimethylbenzene	0.11	U	2.1	0.11
120-82-1	1,2,4-Trichlorobenzene	0.25	U	2.1	0.25
95-63-6	1,2,4-Trimethylbenzene	0.11	U	2.1	0.11
96-12-8	1,2-Dibromo-3-Chloropropane	0.59	U	4.2	0.59
95-50-1	1,2-Dichlorobenzene	0.16	U	2.1	0.16
107-06-2	1,2-Dichloroethane	0.083	U	2.1	0.083
78-87-5	1,2-Dichloropropane	0.27	U	2.1	0.27
541-73-1	1,3-Dichlorobenzene	0.25	U	2.1	0.25
142-28-9	1,3-Dichloropropane	0.19	U	2.1	0.19
106-46-7	1,4-Dichlorobenzene	0.34	U	2.1	0.34
594-20-7	2,2-Dichloropropane	0.43	U	2.1	0.43
78-93-3	2-Butanone (MEK)	0.61	U	8.3	0.61
110-75-8	2-Chloroethyl vinyl ether	0.65	U	8.3	0.65
95-49-8	2-Chlorotoluene	0.34	U	2.1	0.34
591-78-6	2-Hexanone	0.70	U	8.3	0.70
106-43-4	4-Chlorotoluene	0.22	U	2.1	0.22
99-87-6	4-Isopropyltoluene	0.21	U	2.1	0.21
108-10-1	4-Methyl-2-pentanone (MIBK)	0.47	U	8.3	0.47
67-64-1	Acetone	2.0	J	8.3	1.9
71-43-2	Benzene	0.075	U	2.1	0.075
108-86-1	Bromobenzene	0.11	U	2.1	0.11
75-25-2	Bromoform	0.51	U	2.1	0.51
74-83-9	Bromomethane	0.42	U	2.1	0.42
75-15-0	Carbon disulfide	0.47	U	2.1	0.47
56-23-5	Carbon tetrachloride	0.15	U	2.1	0.15
108-90-7	Chlorobenzene	0.11	U	2.1	0.11
124-48-1	Chlorodibromomethane	0.17	U	2.1	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL17N-050516 | Lab Sample ID: 240-64493-12

Matrix: Solid | Lab File ID: UX83694.D

Analysis Method: 8260B | Date Collected: 05/05/2016 15:25

Sample wt/vol: 1.05(g) | Date Analyzed: 05/14/2016 04:42

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.2 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.42	U	2.1	0.42
67-66-3	Chloroform	0.30	U	2.1	0.30
74-87-3	Chloromethane	0.40	U	2.1	0.40
156-59-2	cis-1,2-Dichloroethene	0.32	U	2.1	0.32
10061-01-5	cis-1,3-Dichloropropene	0.18	U	2.1	0.18
74-95-3	Dibromomethane	0.42	U	2.1	0.42
74-97-5	Bromochloromethane	0.58	U	2.1	0.58
75-71-8	Dichlorodifluoromethane	0.51	U	2.1	0.51
75-27-4	Bromodichloromethane	0.32	U	2.1	0.32
75-65-0	tert-Butyl alcohol	7.0	U *	83	7.0
100-41-4	Ethylbenzene	0.29	U	2.1	0.29
87-68-3	Hexachlorobutadiene	0.37	U	2.1	0.37
108-20-3	Diisopropyl ether	0.43	U	4.2	0.43
98-82-8	Isopropylbenzene	0.11	U	2.1	0.11
1634-04-4	Methyl tert-butyl ether	0.25	U	2.1	0.25
75-09-2	Methylene Chloride	0.71	U	2.1	0.71
179601-23-1	m-Xylene & p-Xylene	0.17	U	2.1	0.17
91-20-3	Naphthalene	0.22	U	2.1	0.22
104-51-8	n-Butylbenzene	0.17	U	2.1	0.17
103-65-1	N-Propylbenzene	0.51	U	2.1	0.51
95-47-6	o-Xylene	0.14	U	2.1	0.14
135-98-8	sec-Butylbenzene	0.13	U	2.1	0.13
100-42-5	Styrene	0.22	U	2.1	0.22
994-05-8	Tert-amyl methyl ether	0.35	U	2.1	0.35
637-92-3	Ethyl tert-butyl ether	0.13	U	2.1	0.13
127-18-4	Tetrachloroethene	0.22	U	2.1	0.22
108-88-3	Toluene	0.16	J B	2.1	0.083
156-60-5	trans-1,2-Dichloroethene	0.22	U	2.1	0.22
10061-02-6	trans-1,3-Dichloropropene	0.22	U	2.1	0.22
79-01-6	Trichloroethene	0.32	U	2.1	0.32
75-69-4	Trichlorofluoromethane	0.29	U	2.1	0.29
108-05-4	Vinyl acetate	0.86	U	4.2	0.86
75-01-4	Vinyl chloride	0.14	U	2.1	0.14
1330-20-7	Xylenes, Total	0.27	U	4.2	0.27
98-06-6	tert-Butylbenzene	0.28	U	2.1	0.28
106-93-4	1,2-Dibromoethane	0.27	U	2.1	0.27

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL17N-050516 | Lab Sample ID: 240-64493-12

Matrix: Solid | Lab File ID: UX83694.D

Analysis Method: 8260B | Date Collected: 05/05/2016 15:25

Sample wt/vol: 1.05(g) | Date Analyzed: 05/14/2016 04:42

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.2 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	75		33-134
1868-53-7	Dibromofluoromethane (Surr)	62		30-122
460-00-4	4-Bromofluorobenzene (Surr)	67		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	70		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL17N-050516 | Lab Sample ID: 240-64493-12

Matrix: Solid | Lab File ID: UX83694.D

Analysis Method: 8260B | Date Collected: 05/05/2016 15:25

Sample wt/vol: 1.05(g) | Date Analyzed: 05/14/2016 04:42

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.2 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL17N-050516 | Lab Sample ID: 240-64493-12

Matrix: Solid | Lab File ID: UX83694.D

Analysis Method: 8260B | Date Collected: 05/05/2016 15:25

Sample wt/vol: 1.05(g) | Date Analyzed: 05/14/2016 04:42

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.2 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.60	2.1	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL5S-050516 | Lab Sample ID: 240-64493-13

Matrix: Solid | Lab File ID: UX83695.D

Analysis Method: 8260B | Date Collected: 05/05/2016 08:00

Sample wt/vol: 1.21(g) | Date Analyzed: 05/14/2016 05:04

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 46.2 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.42	U	2.1	0.42
71-55-6	1,1,1-Trichloroethane	0.23	U	2.1	0.23
79-34-5	1,1,2,2-Tetrachloroethane	0.21	U	2.1	0.21
76-13-1	1,1,2-Trichlorotrifluoroethane	0.36	U	2.1	0.36
75-34-3	1,1-Dichloroethane	0.30	U	2.1	0.30
75-35-4	1,1-Dichloroethene	0.26	U	2.1	0.26
563-58-6	1,1-Dichloropropene	0.32	U	2.1	0.32
87-61-6	1,2,3-Trichlorobenzene	0.33	U	2.1	0.33
96-18-4	1,2,3-Trichloropropane	0.88	U	2.1	0.88
526-73-8	1,2,3-Trimethylbenzene	0.11	U	2.1	0.11
120-82-1	1,2,4-Trichlorobenzene	0.26	U	2.1	0.26
95-63-6	1,2,4-Trimethylbenzene	0.11	U	2.1	0.11
96-12-8	1,2-Dibromo-3-Chloropropane	0.61	U	4.3	0.61
95-50-1	1,2-Dichlorobenzene	0.16	U	2.1	0.16
107-06-2	1,2-Dichloroethane	0.085	U	2.1	0.085
78-87-5	1,2-Dichloropropane	0.27	U	2.1	0.27
541-73-1	1,3-Dichlorobenzene	0.26	U	2.1	0.26
142-28-9	1,3-Dichloropropane	0.20	U	2.1	0.20
106-46-7	1,4-Dichlorobenzene	0.35	U	2.1	0.35
594-20-7	2,2-Dichloropropane	0.44	U	2.1	0.44
78-93-3	2-Butanone (MEK)	0.62	U	8.5	0.62
110-75-8	2-Chloroethyl vinyl ether	0.67	U	8.5	0.67
95-49-8	2-Chlorotoluene	0.35	U	2.1	0.35
591-78-6	2-Hexanone	0.72	U	8.5	0.72
106-43-4	4-Chlorotoluene	0.22	U	2.1	0.22
99-87-6	4-Isopropyltoluene	0.21	U	2.1	0.21
108-10-1	4-Methyl-2-pentanone (MIBK)	0.48	U	8.5	0.48
67-64-1	Acetone	1.9	J	8.5	1.9
71-43-2	Benzene	0.077	U	2.1	0.077
108-86-1	Bromobenzene	0.11	U	2.1	0.11
75-25-2	Bromoform	0.52	U	2.1	0.52
74-83-9	Bromomethane	0.44	U	2.1	0.44
75-15-0	Carbon disulfide	0.48	U	2.1	0.48
56-23-5	Carbon tetrachloride	0.15	U	2.1	0.15
108-90-7	Chlorobenzene	0.11	U	2.1	0.11
124-48-1	Chlorodibromomethane	0.17	U	2.1	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL5S-050516 | Lab Sample ID: 240-64493-13

Matrix: Solid | Lab File ID: UX83695.D

Analysis Method: 8260B | Date Collected: 05/05/2016 08:00

Sample wt/vol: 1.21(g) | Date Analyzed: 05/14/2016 05:04

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 46.2 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.44	U	2.1	0.44
67-66-3	Chloroform	0.31	U	2.1	0.31
74-87-3	Chloromethane	0.41	U	2.1	0.41
156-59-2	cis-1,2-Dichloroethene	0.32	U	2.1	0.32
10061-01-5	cis-1,3-Dichloropropene	0.19	U	2.1	0.19
74-95-3	Dibromomethane	0.43	U	2.1	0.43
74-97-5	Bromochloromethane	0.60	U	2.1	0.60
75-71-8	Dichlorodifluoromethane	0.52	U	2.1	0.52
75-27-4	Bromodichloromethane	0.32	U	2.1	0.32
75-65-0	tert-Butyl alcohol	7.1	U *	85	7.1
100-41-4	Ethylbenzene	0.30	U	2.1	0.30
87-68-3	Hexachlorobutadiene	0.38	U	2.1	0.38
108-20-3	Diisopropyl ether	0.44	U	4.3	0.44
98-82-8	Isopropylbenzene	0.11	U	2.1	0.11
1634-04-4	Methyl tert-butyl ether	0.26	U	2.1	0.26
75-09-2	Methylene Chloride	0.73	U	2.1	0.73
179601-23-1	m-Xylene & p-Xylene	0.17	U	2.1	0.17
91-20-3	Naphthalene	0.22	U	2.1	0.22
104-51-8	n-Butylbenzene	0.18	U	2.1	0.18
103-65-1	N-Propylbenzene	0.52	U	2.1	0.52
95-47-6	o-Xylene	0.15	U	2.1	0.15
135-98-8	sec-Butylbenzene	0.14	U	2.1	0.14
100-42-5	Styrene	0.23	U	2.1	0.23
994-05-8	Tert-amyl methyl ether	0.36	U	2.1	0.36
637-92-3	Ethyl tert-butyl ether	0.14	U	2.1	0.14
127-18-4	Tetrachloroethene	0.23	U	2.1	0.23
108-88-3	Toluene	0.19	J B	2.1	0.085
156-60-5	trans-1,2-Dichloroethene	0.22	U	2.1	0.22
10061-02-6	trans-1,3-Dichloropropene	0.22	U	2.1	0.22
79-01-6	Trichloroethene	0.33	U	2.1	0.33
75-69-4	Trichlorofluoromethane	0.30	U	2.1	0.30
108-05-4	Vinyl acetate	0.88	U	4.3	0.88
75-01-4	Vinyl chloride	0.15	U	2.1	0.15
1330-20-7	Xylenes, Total	0.27	U	4.3	0.27
98-06-6	tert-Butylbenzene	0.29	U	2.1	0.29
106-93-4	1,2-Dibromoethane	0.27	U	2.1	0.27

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL5S-050516 Lab Sample ID: 240-64493-13

Matrix: Solid Lab File ID: UX83695.D

Analysis Method: 8260B Date Collected: 05/05/2016 08:00

Sample wt/vol: 1.21(g) Date Analyzed: 05/14/2016 05:04

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 46.2 Level: (low/med) Medium

Analysis Batch No.: 230314 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	74		33-134
1868-53-7	Dibromofluoromethane (Surr)	61		30-122
460-00-4	4-Bromofluorobenzene (Surr)	66		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	68		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL5S-050516 | Lab Sample ID: 240-64493-13

Matrix: Solid | Lab File ID: UX83695.D

Analysis Method: 8260B | Date Collected: 05/05/2016 08:00

Sample wt/vol: 1.21(g) | Date Analyzed: 05/14/2016 05:04

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 46.2 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

Number TICs Found: 1 | TIC Result Total: 9

CAS NO.	COMPOUND NAME	RT	RESULT	Q
79-20-9	Acetic acid, methyl ester	3.22	9.0	T J N

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL5S-050516 | Lab Sample ID: 240-64493-13

Matrix: Solid | Lab File ID: UX83695.D

Analysis Method: 8260B | Date Collected: 05/05/2016 08:00

Sample wt/vol: 1.21(g) | Date Analyzed: 05/14/2016 05:04

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 46.2 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.60	2.1	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL5N-050516 | Lab Sample ID: 240-64493-14

Matrix: Solid | Lab File ID: UX83696.D

Analysis Method: 8260B | Date Collected: 05/05/2016 08:30

Sample wt/vol: 1.13(g) | Date Analyzed: 05/14/2016 05:25

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 41.1 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.40	U	2.1	0.40
71-55-6	1,1,1-Trichloroethane	0.22	U	2.1	0.22
79-34-5	1,1,2,2-Tetrachloroethane	0.21	U	2.1	0.21
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	2.1	0.35
75-34-3	1,1-Dichloroethane	0.29	U	2.1	0.29
75-35-4	1,1-Dichloroethene	0.25	U	2.1	0.25
563-58-6	1,1-Dichloropropene	0.31	U	2.1	0.31
87-61-6	1,2,3-Trichlorobenzene	0.32	U	2.1	0.32
96-18-4	1,2,3-Trichloropropane	0.85	U	2.1	0.85
526-73-8	1,2,3-Trimethylbenzene	0.11	U	2.1	0.11
120-82-1	1,2,4-Trichlorobenzene	0.25	U	2.1	0.25
95-63-6	1,2,4-Trimethylbenzene	0.11	U	2.1	0.11
96-12-8	1,2-Dibromo-3-Chloropropane	0.58	U	4.1	0.58
95-50-1	1,2-Dichlorobenzene	0.16	U	2.1	0.16
107-06-2	1,2-Dichloroethane	0.082	U	2.1	0.082
78-87-5	1,2-Dichloropropane	0.26	U	2.1	0.26
541-73-1	1,3-Dichlorobenzene	0.25	U	2.1	0.25
142-28-9	1,3-Dichloropropane	0.19	U	2.1	0.19
106-46-7	1,4-Dichlorobenzene	0.34	U	2.1	0.34
594-20-7	2,2-Dichloropropane	0.43	U	2.1	0.43
78-93-3	2-Butanone (MEK)	0.60	U	8.2	0.60
110-75-8	2-Chloroethyl vinyl ether	0.64	U	8.2	0.64
95-49-8	2-Chlorotoluene	0.34	U	2.1	0.34
591-78-6	2-Hexanone	0.69	U	8.2	0.69
106-43-4	4-Chlorotoluene	0.21	U	2.1	0.21
99-87-6	4-Isopropyltoluene	0.21	U	2.1	0.21
108-10-1	4-Methyl-2-pentanone (MIBK)	0.46	U	8.2	0.46
67-64-1	Acetone	1.9	J	8.2	1.9
71-43-2	Benzene	0.074	U	2.1	0.074
108-86-1	Bromobenzene	0.11	U	2.1	0.11
75-25-2	Bromoform	0.50	U	2.1	0.50
74-83-9	Bromomethane	0.42	U	2.1	0.42
75-15-0	Carbon disulfide	0.46	U	2.1	0.46
56-23-5	Carbon tetrachloride	0.15	U	2.1	0.15
108-90-7	Chlorobenzene	0.11	U	2.1	0.11
124-48-1	Chlorodibromomethane	0.16	U	2.1	0.16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL5N-050516 | Lab Sample ID: 240-64493-14

Matrix: Solid | Lab File ID: UX83696.D

Analysis Method: 8260B | Date Collected: 05/05/2016 08:30

Sample wt/vol: 1.13(g) | Date Analyzed: 05/14/2016 05:25

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 41.1 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.42	U	2.1	0.42
67-66-3	Chloroform	0.30	U	2.1	0.30
74-87-3	Chloromethane	0.39	U	2.1	0.39
156-59-2	cis-1,2-Dichloroethene	0.31	U	2.1	0.31
10061-01-5	cis-1,3-Dichloropropene	0.18	U	2.1	0.18
74-95-3	Dibromomethane	0.41	U	2.1	0.41
74-97-5	Bromochloromethane	0.58	U	2.1	0.58
75-71-8	Dichlorodifluoromethane	0.50	U	2.1	0.50
75-27-4	Bromodichloromethane	0.31	U	2.1	0.31
75-65-0	tert-Butyl alcohol	6.9	U *	82	6.9
100-41-4	Ethylbenzene	0.29	U	2.1	0.29
87-68-3	Hexachlorobutadiene	0.36	U	2.1	0.36
108-20-3	Diisopropyl ether	0.43	U	4.1	0.43
98-82-8	Isopropylbenzene	0.11	U	2.1	0.11
1634-04-4	Methyl tert-butyl ether	0.25	U	2.1	0.25
75-09-2	Methylene Chloride	0.70	U	2.1	0.70
179601-23-1	m-Xylene & p-Xylene	0.16	U	2.1	0.16
91-20-3	Naphthalene	0.21	U	2.1	0.21
104-51-8	n-Butylbenzene	0.17	U	2.1	0.17
103-65-1	N-Propylbenzene	0.50	U	2.1	0.50
95-47-6	o-Xylene	0.14	U	2.1	0.14
135-98-8	sec-Butylbenzene	0.13	U	2.1	0.13
100-42-5	Styrene	0.22	U	2.1	0.22
994-05-8	Tert-amyl methyl ether	0.35	U	2.1	0.35
637-92-3	Ethyl tert-butyl ether	0.13	U	2.1	0.13
127-18-4	Tetrachloroethene	0.22	U	2.1	0.22
108-88-3	Toluene	0.18	J B	2.1	0.082
156-60-5	trans-1,2-Dichloroethene	0.21	U	2.1	0.21
10061-02-6	trans-1,3-Dichloropropene	0.21	U	2.1	0.21
79-01-6	Trichloroethene	0.32	U	2.1	0.32
75-69-4	Trichlorofluoromethane	0.29	U	2.1	0.29
108-05-4	Vinyl acetate	0.85	U	4.1	0.85
75-01-4	Vinyl chloride	0.14	U	2.1	0.14
1330-20-7	Xylenes, Total	0.26	U	4.1	0.26
98-06-6	tert-Butylbenzene	0.28	U	2.1	0.28
106-93-4	1,2-Dibromoethane	0.26	U	2.1	0.26

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL5N-050516 | Lab Sample ID: 240-64493-14

Matrix: Solid | Lab File ID: UX83696.D

Analysis Method: 8260B | Date Collected: 05/05/2016 08:30

Sample wt/vol: 1.13(g) | Date Analyzed: 05/14/2016 05:25

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 41.1 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	73		33-134
1868-53-7	Dibromofluoromethane (Surr)	60		30-122
460-00-4	4-Bromofluorobenzene (Surr)	64		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	68		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL5N-050516 | Lab Sample ID: 240-64493-14

Matrix: Solid | Lab File ID: UX83696.D

Analysis Method: 8260B | Date Collected: 05/05/2016 08:30

Sample wt/vol: 1.13(g) | Date Analyzed: 05/14/2016 05:25

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 41.1 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

Number TICs Found: 1 | TIC Result Total: 4.4

CAS NO.	COMPOUND NAME	RT	RESULT	Q
79-20-9	Acetic acid, methyl ester	3.22	4.4	T J N

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: DR-TL5N-050516 | Lab Sample ID: 240-64493-14

Matrix: Solid | Lab File ID: UX83696.D

Analysis Method: 8260B | Date Collected: 05/05/2016 08:30

Sample wt/vol: 1.13(g) | Date Analyzed: 05/14/2016 05:25

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 41.1 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.60	2.1	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: TRIPBLANK "TB-042816" | Lab Sample ID: 240-64249-13

Matrix: Water | Lab File ID: UXJ4445.D

Analysis Method: 8260C | Date Collected: 04/28/2016 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 05/09/2016 14:41

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.: 229374 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.28	U	1.0	0.28
71-55-6	1,1,1-Trichloroethane	0.44	U	1.0	0.44
79-34-5	1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22
76-13-1	1,1,2-Trichlorotrifluoroethane	0.45	U	1.0	0.45
75-34-3	1,1-Dichloroethane	0.30	U	1.0	0.30
75-35-4	1,1-Dichloroethene	0.45	U *	1.0	0.45
563-58-6	1,1-Dichloropropene	0.42	U	1.0	0.42
87-61-6	1,2,3-Trichlorobenzene	0.37	U	1.0	0.37
96-18-4	1,2,3-Trichloropropane	0.44	U	1.0	0.44
526-73-8	1,2,3-Trimethylbenzene	0.47	U	5.0	0.47
120-82-1	1,2,4-Trichlorobenzene	0.32	U	1.0	0.32
95-63-6	1,2,4-Trimethylbenzene	0.41	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	0.82	U	2.0	0.82
95-50-1	1,2-Dichlorobenzene	0.25	U	1.0	0.25
107-06-2	1,2-Dichloroethane	0.23	U	1.0	0.23
78-87-5	1,2-Dichloropropane	0.25	U	1.0	0.25
541-73-1	1,3-Dichlorobenzene	0.19	U	1.0	0.19
142-28-9	1,3-Dichloropropane	0.19	U	1.0	0.19
106-46-7	1,4-Dichlorobenzene	0.27	U	1.0	0.27
594-20-7	2,2-Dichloropropane	0.26	U	1.0	0.26
78-93-3	2-Butanone (MEK)	0.53	U	10	0.53
110-75-8	2-Chloroethyl vinyl ether	0.59	U	10	0.59
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40
591-78-6	2-Hexanone	0.48	U	10	0.48
106-43-4	4-Chlorotoluene	0.29	U	1.0	0.29
99-87-6	4-Isopropyltoluene	0.43	U	1.0	0.43
108-10-1	4-Methyl-2-pentanone (MIBK)	0.99	U	10	0.99
67-64-1	Acetone	0.94	U	10	0.94
71-43-2	Benzene	0.35	U	1.0	0.35
108-86-1	Bromobenzene	0.35	U	1.0	0.35
75-25-2	Bromoform	0.56	U	1.0	0.56
74-83-9	Bromomethane	0.44	U	1.0	0.44
75-15-0	Carbon disulfide	0.38	U	1.0	0.38
56-23-5	Carbon tetrachloride	0.43	U	1.0	0.43
108-90-7	Chlorobenzene	0.25	U	1.0	0.25
124-48-1	Chlorodibromomethane	0.43	U	1.0	0.43

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: TRIPBLANK "TB-042816" | Lab Sample ID: 240-64249-13

Matrix: Water | Lab File ID: UXJ4445.D

Analysis Method: 8260C | Date Collected: 04/28/2016 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 05/09/2016 14:41

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.: 229374 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.25	U	1.0	0.25
74-87-3	Chloromethane	0.44	U	1.0	0.44
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.46	U	1.0	0.46
74-95-3	Dibromomethane	0.42	U	1.0	0.42
74-97-5	Bromochloromethane	0.50	U	1.0	0.50
75-71-8	Dichlorodifluoromethane	0.32	U	1.0	0.32
75-27-4	Bromodichloromethane	0.29	U	1.0	0.29
75-65-0	tert-Butyl alcohol	4.9	U	50	4.9
100-41-4	Ethylbenzene	0.25	U	1.0	0.25
87-68-3	Hexachlorobutadiene	0.35	U	1.0	0.35
108-20-3	Diisopropyl ether	0.50	U	10	0.50
98-82-8	Isopropylbenzene	0.35	U	1.0	0.35
1634-04-4	Methyl tert-butyl ether	0.20	U	1.0	0.20
75-09-2	Methylene Chloride	0.33	U *	1.0	0.33
179601-23-1	m-Xylene & p-Xylene	0.24	U	2.0	0.24
91-20-3	Naphthalene	0.45	U	1.0	0.45
104-51-8	n-Butylbenzene	0.31	U	1.0	0.31
103-65-1	N-Propylbenzene	0.40	U	1.0	0.40
95-47-6	o-Xylene	0.25	U	1.0	0.25
135-98-8	sec-Butylbenzene	0.48	U	1.0	0.48
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl methyl ether	0.30	U	5.0	0.30
637-92-3	Ethyl tert-butyl ether	0.23	U	5.0	0.23
127-18-4	Tetrachloroethene	0.31	U	1.0	0.31
108-88-3	Toluene	0.23	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	0.30	U	1.0	0.30
10061-02-6	trans-1,3-Dichloropropene	0.56	U	1.0	0.56
79-01-6	Trichloroethene	0.22	U	1.0	0.22
75-69-4	Trichlorofluoromethane	0.49	U	1.0	0.49
108-05-4	Vinyl acetate	0.41	U	2.0	0.41
75-01-4	Vinyl chloride	0.29	U	1.0	0.29
1330-20-7	Xylenes, Total	0.52	U	2.0	0.52
98-06-6	tert-Butylbenzene	0.41	U	1.0	0.41
106-93-4	1,2-Dibromoethane	0.32	U	1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: TRIPBLANK "TB-042816" | Lab Sample ID: 240-64249-13

Matrix: Water | Lab File ID: UXJ4445.D

Analysis Method: 8260C | Date Collected: 04/28/2016 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 05/09/2016 14:41

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.: 229374 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	93		80-120
1868-53-7	Dibromofluoromethane (Surr)	92		79-120
460-00-4	4-Bromofluorobenzene (Surr)	85		61-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		78-125

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: TRIPBLANK "TB-042816" | Lab Sample ID: 240-64249-13

Matrix: Water | Lab File ID: UXJ4445.D

Analysis Method: 8260C | Date Collected: 04/28/2016 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 05/09/2016 14:41

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.: 229374 | Units: ug/L

Number TICs Found: 1 | TIC Result Total: 1.8

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-28-5	Isobutane	1.62	1.8	T J N

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: TRIPBLANK "TB-042816" | Lab Sample ID: 240-64249-13

Matrix: Water | Lab File ID: UXJ4445.D

Analysis Method: 8260C | Date Collected: 04/28/2016 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 05/09/2016 14:41

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.: 229374 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: TB-050516 | Lab Sample ID: 240-64493-15

Matrix: Water | Lab File ID: UXJ4613.D

Analysis Method: 8260C | Date Collected: 05/05/2016 07:00

Sample wt/vol: 5(mL) | Date Analyzed: 05/13/2016 13:15

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.: 230196 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.28	U	1.0	0.28
71-55-6	1,1,1-Trichloroethane	0.44	U	1.0	0.44
79-34-5	1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22
76-13-1	1,1,2-Trichlorotrifluoroethane	0.45	U	1.0	0.45
75-34-3	1,1-Dichloroethane	0.30	U	1.0	0.30
75-35-4	1,1-Dichloroethene	0.45	U	1.0	0.45
563-58-6	1,1-Dichloropropene	0.42	U	1.0	0.42
87-61-6	1,2,3-Trichlorobenzene	0.37	U	1.0	0.37
96-18-4	1,2,3-Trichloropropane	0.44	U	1.0	0.44
526-73-8	1,2,3-Trimethylbenzene	0.47	U	5.0	0.47
120-82-1	1,2,4-Trichlorobenzene	0.32	U	1.0	0.32
95-63-6	1,2,4-Trimethylbenzene	0.41	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	0.82	U	2.0	0.82
95-50-1	1,2-Dichlorobenzene	0.25	U	1.0	0.25
107-06-2	1,2-Dichloroethane	0.23	U	1.0	0.23
78-87-5	1,2-Dichloropropane	0.25	U	1.0	0.25
541-73-1	1,3-Dichlorobenzene	0.19	U	1.0	0.19
142-28-9	1,3-Dichloropropane	0.19	U	1.0	0.19
106-46-7	1,4-Dichlorobenzene	0.27	U	1.0	0.27
594-20-7	2,2-Dichloropropane	0.26	U	1.0	0.26
78-93-3	2-Butanone (MEK)	0.53	U	10	0.53
110-75-8	2-Chloroethyl vinyl ether	0.59	U	10	0.59
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40
591-78-6	2-Hexanone	0.48	U	10	0.48
106-43-4	4-Chlorotoluene	0.29	U	1.0	0.29
99-87-6	4-Isopropyltoluene	0.43	U	1.0	0.43
108-10-1	4-Methyl-2-pentanone (MIBK)	0.99	U	10	0.99
67-64-1	Acetone	0.94	U	10	0.94
71-43-2	Benzene	0.35	U	1.0	0.35
108-86-1	Bromobenzene	0.35	U	1.0	0.35
75-25-2	Bromoform	0.56	U	1.0	0.56
74-83-9	Bromomethane	0.44	U	1.0	0.44
75-15-0	Carbon disulfide	0.38	U	1.0	0.38
56-23-5	Carbon tetrachloride	0.43	U	1.0	0.43
108-90-7	Chlorobenzene	0.25	U	1.0	0.25
124-48-1	Chlorodibromomethane	0.43	U	1.0	0.43

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: TB-050516 | Lab Sample ID: 240-64493-15

Matrix: Water | Lab File ID: UXJ4613.D

Analysis Method: 8260C | Date Collected: 05/05/2016 07:00

Sample wt/vol: 5(mL) | Date Analyzed: 05/13/2016 13:15

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.: 230196 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.25	U	1.0	0.25
74-87-3	Chloromethane	0.44	U	1.0	0.44
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.46	U	1.0	0.46
74-95-3	Dibromomethane	0.42	U	1.0	0.42
74-97-5	Bromochloromethane	0.50	U	1.0	0.50
75-71-8	Dichlorodifluoromethane	0.32	U	1.0	0.32
75-27-4	Bromodichloromethane	0.29	U	1.0	0.29
75-65-0	tert-Butyl alcohol	4.9	U	50	4.9
100-41-4	Ethylbenzene	0.25	U	1.0	0.25
87-68-3	Hexachlorobutadiene	0.35	U	1.0	0.35
108-20-3	Diisopropyl ether	0.50	U	10	0.50
98-82-8	Isopropylbenzene	0.35	U	1.0	0.35
1634-04-4	Methyl tert-butyl ether	0.20	U	1.0	0.20
75-09-2	Methylene Chloride	0.33	U	1.0	0.33
179601-23-1	m-Xylene & p-Xylene	0.24	U	2.0	0.24
91-20-3	Naphthalene	0.45	U	1.0	0.45
104-51-8	n-Butylbenzene	0.31	U	1.0	0.31
103-65-1	N-Propylbenzene	0.40	U	1.0	0.40
95-47-6	o-Xylene	0.25	U	1.0	0.25
135-98-8	sec-Butylbenzene	0.48	U	1.0	0.48
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl methyl ether	0.30	U	5.0	0.30
637-92-3	Ethyl tert-butyl ether	0.23	U	5.0	0.23
127-18-4	Tetrachloroethene	0.31	U	1.0	0.31
108-88-3	Toluene	0.23	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	0.30	U	1.0	0.30
10061-02-6	trans-1,3-Dichloropropene	0.56	U	1.0	0.56
79-01-6	Trichloroethene	0.22	U	1.0	0.22
75-69-4	Trichlorofluoromethane	0.49	U	1.0	0.49
108-05-4	Vinyl acetate	0.41	U	2.0	0.41
75-01-4	Vinyl chloride	0.29	U	1.0	0.29
1330-20-7	Xylenes, Total	0.52	U	2.0	0.52
98-06-6	tert-Butylbenzene	0.41	U	1.0	0.41
106-93-4	1,2-Dibromoethane	0.32	U	1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Client Sample ID: TB-050516 Lab Sample ID: 240-64493-15

Matrix: Water Lab File ID: UXJ4613.D

Analysis Method: 8260C Date Collected: 05/05/2016 07:00

Sample wt/vol: 5(mL) Date Analyzed: 05/13/2016 13:15

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.: 230196 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	93		80-120
1868-53-7	Dibromofluoromethane (Surr)	92		79-120
460-00-4	4-Bromofluorobenzene (Surr)	83		61-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		78-125

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: TB-050516 | Lab Sample ID: 240-64493-15

Matrix: Water | Lab File ID: UXJ4613.D

Analysis Method: 8260C | Date Collected: 05/05/2016 07:00

Sample wt/vol: 5(mL) | Date Analyzed: 05/13/2016 13:15

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.: 230196 | Units: ug/L

Number TICs Found: 1 | TIC Result Total: 1.1

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-28-5	Isobutane	1.62	1.1	T J N

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: TB-050516 | Lab Sample ID: 240-64493-15

Matrix: Water | Lab File ID: UXJ4613.D

Analysis Method: 8260C | Date Collected: 05/05/2016 07:00

Sample wt/vol: 5(mL) | Date Analyzed: 05/13/2016 13:15

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.: 230196 | Units: ug/L

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

Appendix C

Support Documentation

180325 1.2/C0.7

Chain of Custody Record

016792

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

BALTIMORE

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: A. McGIVNEY	Site Contact: T. APANAVICE	Date: 4/28/16	COC No:
Company Name: TETRA TECH STE	Tel/Fax:	Lab Contact: J McFADDEN	Carrier:	1 of 1 COCs
Address: 20251 CENTURY BLVD 200	Analysis Turnaround Time			Sampler:
City/State/Zip: GERMANTOWN, MD 20874	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 301 233 8230	TAT if different from Below STANDARD			Walk-in Client:
Fax: 301 528 3000	☐ 2 weeks			Lab Sampling:
Project Name: MSA TREE TISSUE SAMPLING	☐ 1 week			
Site: MSA	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs 8260B	TOTAL METALS 6010	Sample Specific Notes:
DR-TS1-042816	4/28/16	0830	G	WOOD	1			X	X	
DR-TS2-042816		0845						X	X	
DR-TS3-042816		0900						X	X	
DR-TS4-042816		0930						X	X	
DR-TS5-042816		1000						X	X	
DR-TS6-042816		1015						X	X	
DR-TS7-042816		1045						X	X	
DR-TS8-042816		1100						X	X	
DR-TS9-042816		1120						X	X	
DR-TS10-042816		1145						X	X	
DR-TS11-042816		1220						X	X	
DR-TS12-042816	↓	1300	↓	↓	↓			X	X	

Page 591 of 597

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ 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:
TRIP BLANK "TB-042816"

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

	Company	Date/Time		Company	Date/Time
Relinquished by:	Tetra Tech	4/28/16 1515	Received by:	TestAmerica	4/28/16 1522
Relinquished by:	TestAmerica	4/28/16 1605	Received by:	TA	4-29-16 920
Relinquished by:			Received in Laboratory by:		

TestAmerica Canton Sample Receipt Form/Narrative Login # : 64249
Canton Facility

Client Tetra Tech Site Name _____ Cooler unpacked by:

Cooler Received on 4.29.16 Opened on 4/29/16

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# 48 (CF -1.9 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

~~IR GUN# 36 (CF -1.5 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C~~

IR GUN# I8 (CF -0.5 °C) Observed Cooler Temp. 1.2 °C Corrected Cooler Temp. 0.7 °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/MeHg)? 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 12-16 have been checked at the originating laboratory.

12. Were sample(s) at the correct pH upon receipt? Yes No (NA) pH Strip Lot# HC559158
13. Were VOAs on the COC? (Yes) No
14. Were air bubbles >6 mm in any VOA vials? Yes (No) NA
15. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____ (Yes) No
16. Was a LL Hg or Me Hg trip blank present? _____ Yes (No)

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

17. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES Samples processed by:

Recd 2440 not on COC, listed in comments section. Will log

18. 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)

19. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

180325 2.4/1.9 2.2/C1.7

Chain of Custody Record

016793

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

BALTIMORE

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: A. McGINNEY	Site Contact: T. APPANHAGE	Date: 5/5/16	COC No: 1 of 2 COCs
Company Name: TETRA TECH	Tel/Fax:	Lab Contact:	Carrier:	Sampler:
Address: 20251 CENTURY BLVD STE 200	Analysis Turnaround Time			For Lab Use Only:
City/State/Zip: GERMANTOWN, MD 20874	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
Phone: 301 233 8230	TAT if different from Below			Lab Sampling:
Fax: 301 528 3000	☐ 2 weeks STANDARD			Job / SDG No.:
Project Name: DRA TREE TISSUE	☐ 1 week			
Site: MSA	☐ 2 days			
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs 8260B	TOTAL METALS 6010	Sample Specific Notes:
DR-TG1S-050516	5/5/16	0900	G		1			X	X	
DR-TG1N-050516		0945						X	X	
DR-TG2S-050516		1015						X	X	
DR-TG2N-050516		1045						X	X	
DR-TG3S-050516		1110						X	X	
DR-TG3N-050516		1130						X	X	
DR-TL8N-050516		1300						X	X	
DR-TL8S-050516		1330						X	X	
DR-TL7S-050516		1415						X	X	
DR-TL7N-050516		1445						X	X	
DR-TL17S-050516		1505						X	X	
DR-TL17N-050516	↓	1525	↓		↓			X	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ 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:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

	Company	Date/Time		Company	Date/Time
Relinquished by:	TETRA TECH	5/5/16	Received by:	TestAmerica	5/5/16 1525
Relinquished by:	TestAmerica	5/5/16 1600	Received by:	TA	5-6-16 930
Relinquished by:			Received in Laboratory by:		

180325

Chain of Custody Record

016784

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

BALTIMORE

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: A. McGIVNEY	Site Contact: T. APANIVICZ	Date: 5/5/16	COC No:
Company Name: TETRA TECH	Tel/Fax:	Lab Contact:	Carrier:	2 of 2 COCs
Address:	Analysis Turnaround Time			Sampler:
City/State/Zip:	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 3012338230	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: DRA TREE TISSUE	☐ 1 week			
Site:	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs 8260B	TOTAL METALS 6010	Sample Specific Notes:
DR-TLSS-050516	5/5/16	0800	G	WOOD	1			X	X	
DR-TLSN-050516	5/5/16	0830	G	WOOD	1			X	X	
TB-050516	5/5/16	0700	—	WATER	2			X		

Page 595 of 597

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ 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:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

	Company	Date/Time		Company	Date/Time
Relinquished by:	TETRA TECH	5/5/16	Received by:	TestAmerica	5/5/16 1530
Relinquished by:	TestAmerica	5/5/16 1600	Received by:	TA	5-6-16 930
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

TestAmerica Canton Sample Receipt Form/Narrative
Canton Facility

Login # : 64403

Client Tetra Tech Site Name

Cooler unpacked by:

Cooler Received on 5-6-16 Opened on 5-6-16

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# 48 (CF -1.9 °C) Observed Cooler Temp. °C Corrected Cooler Temp. °C
   IR GUN# 36 (CF -1.5 °C) Observed Cooler Temp. °C Corrected Cooler Temp. °C
   IR GUN# I8 (CF -0.5 °C) Observed Cooler Temp. °C Corrected Cooler Temp. °C
2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 2 (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/MeHg)? 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 12-16 have been checked at the originating laboratory.

12. Were sample(s) at the correct pH upon receipt? Yes No (NA) pH Strip Lot# HC559158
13. Were VOAs on the COC? (Yes) No ~~NA~~
14. Were air bubbles >6 mm in any VOA vials? Yes (No) ~~NA~~
15. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # (Yes) ~~No~~
16. Was a LL Hg or Me Hg trip blank present? Yes (No)

Contacted PM Date by via Verbal Voice Mail Other

Concerning

17. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by:

18. 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)

19. SAMPLE PRESERVATION

Sample(s) were further preserved in the laboratory.

Time preserved: Preservative(s) added/Lot number(s):

CASE NARRATIVE

Client: Tetra Tech, Inc.

Project: MSA Tree Tissue Sampling

Report Number: 240-64249-1

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.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 4/29/2016 9:20 AM and 5/6/2016 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 0.7º C, 1.7º C and 1.9º C.

VOLATILE ORGANIC COMPOUNDS WITH PARTICLE SIZE REDUCTION

Samples DR-TS1-042816 (240-64249-1), DR-TG1S-050516 (240-64493-1), DR-TS2-042816 (240-64249-2), DR-TG1N-050516 (240-64493-2), DR-TS3-042816 (240-64249-3), DR-TG2S-050516 (240-64493-3), DR-TS4-042816 (240-64249-4), DR-TG2N-050516 (240-64493-4), DR-TS5-042816 (240-64249-5), DR-TG3S-050516 (240-64493-5), DR-TS6-042816 (240-64249-6), DR-TG3N-050516 (240-64493-6), DR-TS7-042816 (240-64249-7), DR-TL8N-050516 (240-64493-7), DR-TS8-042816 (240-64249-8), DR-TL8S-050516 (240-64493-8), DR-TS9-042816 (240-64249-9), DR-TL7S-050516 (240-64493-9), DR-TS10-042816 (240-64249-10), DR-TL7N-050516 (240-64493-10), DR-TS11-042816 (240-64249-11), DR-TL17S-050516 (240-64493-11), DR-TS12-042816 (240-64249-12), DR-TL17N-050516 (240-64493-12), DR-TL5S-050516 (240-64493-13) and DR-TL5N-050516 (240-64493-14) were analyzed for Volatile organic compounds with particle size reduction in accordance with EPA SW-846 Method 8260B. The samples were leached on 05/03/2016 and 05/09/2016 and analyzed on 05/10/2016, 05/11/2016, 05/13/2016 and 05/14/2016.

Toluene was detected in method blank MB 240-228807/1-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.

Toluene was detected in method blank MB 240-229695/1-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.

Samples DR-TS1-042816 (240-64249-1)[3.33X] and DR-TG3N-050516 (240-64249-6)[1.43X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following samples were diluted due to the abundance of non-target analytes: DR-TS1-042816 (240-64249-1) and DR-TG3N-050516 (240-64493-6). Elevated reporting limits (RLs) are provided.

The following samples were diluted due to the nature of the sample matrix: DR-TS1-042816 (240-64249-1), DR-TS2-042816 (240-64249-2), DR-TS3-042816 (240-64249-3), DR-TS4-042816 (240-64249-4), DR-TS5-042816 (240-64249-5), DR-TS6-042816 (240-64249-6), DR-TS7-042816 (240-64249-7), DR-TS11-042816 (240-64249-11), DR-TS12-042816 (240-64249-12), DR-TS10-042816 (240-64249-10), DR-TG1S-050516 (240-64493-1), DR-TG1N-050516 (240-64493-2), DR-TG2S-050516 (240-64493-3),

DR-TG2N-050516 (240-64493-4), DR-TL8N-050516 (240-64493-7), DR-TL8S-050516 (240-64493-8), DR-TL7S-050516 (240-64493-9), DR-TL7N-050516 (240-64493-10), DR-TL17S-050516 (240-64493-11), DR-TL17N-050516 (240-64493-12), DR-TL5S-050516 (240-64493-13), and DR-TL5N-050516 (240-64493-14). Elevated reporting limits (RLs) are provided.

The laboratory control sample (LCS) for preparation batches 240-228698 and 240-228807, and analytical batches 240-229723 and 240-229536 recovered outside control limits for the following analyte: Toluene. This analyte was biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample (LCS) for preparation batches 240-228698 and 240-228807, and analytical batches 240-229536 and 240-229723 recovered outside control limits for the following analytes: tert-Butyl alcohol and Vinyl acetate. These compounds have been identified as a poor performing analytes when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

The laboratory control sample (LCS) for preparation batches 240-229402 and 240-229695, and analytical batches 240-230141 and 240-230314 recovered outside control limits for the following analyte: tert-Butyl alcohol. This compound has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

A MS/MSD was prepared for batch 228807, but was analyzed in a different analytical batch. Batch includes: DR-TS10-042816 (240-64249-10).

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batches 240-229402 and 240-229695, and analytical batches 240-230314 and 240-230141.

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

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples TRIPBLANK "TB-042816" (240-64249-13) and TB-050516 (240-64493-15) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 05/09/2016 and 05/13/2016.

Methylene Chloride was detected in method blank MB 240-229374/6 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 229374 recovered outside control limits for the following analytes: Methylene Chloride and 1,1,-Dichloroethene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported: TRIPBLANK "TB-042816" (240-64249-13) and (LCS 240-229374/4).

The continuing calibration verification (CCV) for analytical batch 229374 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: TRIPBLANK "TB-042816" (240-64249-13).

The continuing calibration verification (CCV) associated with batch 229374 recovered above the upper control limit for Trichlorofluoromethane. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported. The following sample is impacted: TRIPBLANK "TB-042816" (240-64249-13).

The continuing calibration verification (CCV) associated with batch 230196 recovered above the upper control limit for Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: TB-050516 (240-64493-15).

The continuing calibration verification (CCV) for analytical batch 230196 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: TB-050516 (240-64493-15).

2-Chloroethyl vinyl ether cannot be reliably recovered in an acid preserved sample: TRIPBLANK "TB-042816" (240-64249-13) and TB-050516 (240-64493-15).

No MS/MSD in batch 230196 due to an instrument fault. Batch includes: TB-050516 (240-64493-15).

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

ICP METALS

Samples DR-TS1-042816 (240-64249-1), DR-TG1S-050516 (240-64493-1), DR-TS2-042816 (240-64249-2), DR-TG1N-050516 (240-64493-2), DR-TS3-042816 (240-64249-3), DR-TG2S-050516 (240-64493-3), DR-TS4-042816 (240-64249-4), DR-TG2N-050516 (240-64493-4), DR-TS5-042816 (240-64249-5), DR-TG3S-050516 (240-64493-5), DR-TS6-042816 (240-64249-6), DR-TG3N-050516 (240-64493-6), DR-TS7-042816 (240-64249-7), DR-TL8N-050516 (240-64493-7), DR-TS8-042816 (240-64249-8), DR-TL8S-050516 (240-64493-8), DR-TS9-042816 (240-64249-9), DR-TL7S-050516 (240-64493-9), DR-TS10-042816 (240-64249-10), DR-TL7N-050516

(240-64493-10), DR-TS11-042816 (240-64249-11), DR-TL17S-050516 (240-64493-11), DR-TS12-042816 (240-64249-12), DR-TL17N-050516 (240-64493-12), DR-TL5S-050516 (240-64493-13) and DR-TL5N-050516 (240-64493-14) were analyzed for ICP in accordance with SW-846 Method 6010C. The samples were leached on 05/03/2016 and 05/09/2016, prepared on 05/04/2016 and 05/11/2016 and analyzed on 05/09/2016 and 05/12/2016.

Lead and Nickel were detected in method blank MB 240-228827/1-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.

Lead was detected in method blank MB 240-229881/1-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.

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

MERCURY

Samples DR-TS1-042816 (240-64249-1), DR-TG1S-050516 (240-64493-1), DR-TS2-042816 (240-64249-2), DR-TG1N-050516 (240-64493-2), DR-TS3-042816 (240-64249-3), DR-TG2S-050516 (240-64493-3), DR-TS4-042816 (240-64249-4), DR-TG2N-050516 (240-64493-4), DR-TS5-042816 (240-64249-5), DR-TG3S-050516 (240-64493-5), DR-TS6-042816 (240-64249-6), DR-TG3N-050516 (240-64493-6), DR-TS7-042816 (240-64249-7), DR-TL8N-050516 (240-64493-7), DR-TS8-042816 (240-64249-8), DR-TL8S-050516 (240-64493-8), DR-TS9-042816 (240-64249-9), DR-TL7S-050516 (240-64493-9), DR-TS10-042816 (240-64249-10), DR-TL7N-050516 (240-64493-10), DR-TS11-042816 (240-64249-11), DR-TL17S-050516 (240-64493-11), DR-TS12-042816 (240-64249-12), DR-TL17N-050516 (240-64493-12), DR-TL5S-050516 (240-64493-13) and DR-TL5N-050516 (240-64493-14) were analyzed for mercury in accordance with EPA SW-846 Method 7471A. The samples were leached on 05/03/2016 and 05/09/2016, prepared on 05/04/2016 and 05/11/2016 and analyzed on 05/05/2016 and 05/12/2016.

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

MOISTURE

Samples DR-TS1-042816 (240-64249-1), DR-TG1S-050516 (240-64493-1), DR-TS2-042816 (240-64249-2), DR-TG1N-050516 (240-64493-2), DR-TS3-042816 (240-64249-3), DR-TG2S-050516 (240-64493-3), DR-TS4-042816 (240-64249-4), DR-TG2N-050516 (240-64493-4), DR-TS5-042816 (240-64249-5), DR-TG3S-050516 (240-64493-5), DR-TS6-042816 (240-64249-6), DR-TG3N-050516 (240-64493-6), DR-TS7-042816 (240-64249-7), DR-TL8N-050516 (240-64493-7), DR-TS8-042816 (240-64249-8), DR-TL8S-050516 (240-64493-8), DR-TS9-042816 (240-64249-9), DR-TL7S-050516 (240-64493-9), DR-TS10-042816 (240-64249-10), DR-TL7N-050516 (240-64493-10), DR-TS11-042816 (240-64249-11), DR-TL17S-050516 (240-64493-11), DR-TS12-042816 (240-64249-12), DR-TL17N-050516 (240-64493-12), DR-TL5S-050516 (240-64493-13) and DR-TL5N-050516 (240-64493-14) were analyzed for Moisture in accordance with Moisture. The samples were leached on 05/03/2016 and 05/09/2016 and analyzed on 05/04/2016 and 05/10/2016.

Percent Moisture exceeded the RPD limit for the duplicate of sample DR-TG3S-050516DU (240-64493-5).

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

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	This flag indicates the presumptive evidence of a compound.
T	Result is a tentatively identified compound (TIC) and an estimated value.
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

General Chemistry

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: MSA Tree Tissue Sampling

TestAmerica Job ID: 240-64249-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-64249-1	DR-TS1-042816	Solid	04/28/16 08:30	04/29/16 09:20
240-64249-2	DR-TS2-042816	Solid	04/28/16 08:45	04/29/16 09:20
240-64249-3	DR-TS3-042816	Solid	04/28/16 09:00	04/29/16 09:20
240-64249-4	DR-TS4-042816	Solid	04/28/16 09:30	04/29/16 09:20
240-64249-5	DR-TS5-042816	Solid	04/28/16 10:00	04/29/16 09:20
240-64249-6	DR-TS6-042816	Solid	04/28/16 10:15	04/29/16 09:20
240-64249-7	DR-TS7-042816	Solid	04/28/16 10:45	04/29/16 09:20
240-64249-8	DR-TS8-042816	Solid	04/28/16 11:00	04/29/16 09:20
240-64249-9	DR-TS9-042816	Solid	04/28/16 11:20	04/29/16 09:20
240-64249-10	DR-TS10-042816	Solid	04/28/16 11:45	04/29/16 09:20
240-64249-11	DR-TS11-042816	Solid	04/28/16 12:20	04/29/16 09:20
240-64249-12	DR-TS12-042816	Solid	04/28/16 13:00	04/29/16 09:20
240-64249-13	TRIPBLANK "TB-042816"	Water	04/28/16 00:00	04/29/16 09:20
240-64493-1	DR-TG1S-050516	Solid	05/05/16 09:00	05/06/16 09:30
240-64493-2	DR-TG1N-050516	Solid	05/05/16 09:45	05/06/16 09:30
240-64493-3	DR-TG2S-050516	Solid	05/05/16 10:15	05/06/16 09:30
240-64493-4	DR-TG2N-050516	Solid	05/05/16 10:45	05/06/16 09:30
240-64493-5	DR-TG3S-050516	Solid	05/05/16 11:10	05/06/16 09:30
240-64493-6	DR-TG3N-050516	Solid	05/05/16 11:30	05/06/16 09:30
240-64493-7	DR-TL8N-050516	Solid	05/05/16 13:00	05/06/16 09:30
240-64493-8	DR-TL8S-050516	Solid	05/05/16 13:30	05/06/16 09:30
240-64493-9	DR-TL7S-050516	Solid	05/05/16 14:15	05/06/16 09:30
240-64493-10	DR-TL7N-050516	Solid	05/05/16 14:45	05/06/16 09:30
240-64493-11	DR-TL17S-050516	Solid	05/05/16 15:05	05/06/16 09:30
240-64493-12	DR-TL17N-050516	Solid	05/05/16 15:25	05/06/16 09:30
240-64493-13	DR-TL5S-050516	Solid	05/05/16 08:00	05/06/16 09:30
240-64493-14	DR-TL5N-050516	Solid	05/05/16 08:30	05/06/16 09:30
240-64493-15	TB-050516	Water	05/05/16 07:00	05/06/16 09:30

Method Summary

Client: Tetra Tech, Inc.
Project/Site: MSA Tree Tissue Sampling

TestAmerica Job ID: 240-64249-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CAN
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL CAN
6010C	Metals (ICP)	SW846	TAL CAN
7471A	Mercury (CVAA)	SW846	TAL CAN
Moisture	Percent Moisture	EPA	TAL CAN

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Matrix: Solid Level: Medium

GC Column (1): DB-624 ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
DR-TS1-042816	240-64249-1	71	78	76	74
DR-TS2-042816	240-64249-2	72	81	82	72
DR-TS3-042816	240-64249-3	70	77	78	69
DR-TS4-042816	240-64249-4	77	88	82	76
DR-TS5-042816	240-64249-5	76	88	83	75
DR-TS6-042816	240-64249-6	73	87	84	74
DR-TS7-042816	240-64249-7	72	83	84	72
DR-TS8-042816	240-64249-8	66	74	77	73
DR-TS9-042816	240-64249-9	71	81	86	78
DR-TS10-042816	240-64249-10	104	109	113	105
DR-TS11-042816	240-64249-11	71	78	81	70
DR-TS12-042816	240-64249-12	68	78	84	73
DR-TG1S-050516	240-64493-1	60	69	74	70
DR-TG1N-050516	240-64493-2	64	73	78	71
DR-TG2S-050516	240-64493-3	64	77	78	73
DR-TG2N-050516	240-64493-4	60	68	75	66
DR-TG3S-050516	240-64493-5	59	66	74	70
DR-TG3N-050516	240-64493-6	60	69	72	69
DR-TL8N-050516	240-64493-7	58	67	74	65
DR-TL8S-050516	240-64493-8	61	70	71	64
DR-TL7S-050516	240-64493-9	60	72	71	64
DR-TL7N-050516	240-64493-10	60	70	72	65
DR-TL17S-050516	240-64493-11	64	70	74	68
DR-TL17N-050516	240-64493-12	62	70	75	67
DR-TL5S-050516	240-64493-13	61	68	74	66
DR-TL5N-050516	240-64493-14	60	68	73	64
	MB 240-228807/1-A	77	84	84	77
	MB 240-229695/1-A	65	74	77	70
	LCS 240-228807/2-A	77	78	76	75
	LCS 240-229695/2-A	70	71	77	72
DR-TS2-042816 MS	240-64249-2 MS	83	83	82	76
DR-TS2-042816 MSD	240-64249-2 MSD	81	83	84	80

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	30-122
DCA = 1,2-Dichloroethane-d4 (Surr)	39-128
TOL = Toluene-d8 (Surr)	33-134
BFB = 4-Bromofluorobenzene (Surr)	26-141

Column to be used to flag recovery values

FORM II 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Sample No.: ICIS 240-229536/6 Date Analyzed: 05/10/2016 02:08

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UX83579.D Heated Purge: (Y/N) Y

Calibration ID: 34323

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1749769	5.16	1259650	7.69	649551	9.88
UPPER LIMIT		3499538	5.66	2519300	8.19	1299102	10.38
LOWER LIMIT		874885	4.66	629825	7.19	324776	9.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-229536/11		1676401	5.16	1242830	7.68	591977	9.88
ICV 240-229536/13		1710438	5.16	1237296	7.68	636451	9.88
MB 240-228807/1-A		1757817	5.15	1230376	7.68	616394	9.88
LCS 240-228807/2-A		1889233	5.15	1375433	7.68	685161	9.88
240-64249-1	DR-TS1-042816	1667891	5.16	1170212	7.69	633792	9.88
240-64249-2	DR-TS2-042816	1877577	5.16	1325145	7.69	668027	9.88
240-64249-2 MS	DR-TS2-042816 MS	1853164	5.16	1336339	7.69	684683	9.88
240-64249-2 MSD	DR-TS2-042816 MSD	1909986	5.16	1366041	7.68	685805	9.88
240-64249-3	DR-TS3-042816	1949700	5.16	1390029	7.69	696157	9.88
240-64249-4	DR-TS4-042816	1713742	5.16	1211135	7.69	635272	9.88
240-64249-5	DR-TS5-042816	1806716	5.15	1317240	7.68	663327	9.88
240-64249-6	DR-TS6-042816	1815236	5.15	1321066	7.68	649212	9.88
240-64249-7	DR-TS7-042816	1824742	5.16	1310855	7.68	644791	9.88
240-64249-8	DR-TS8-042816	1988237	5.16	1363439	7.68	714101	9.88
240-64249-9	DR-TS9-042816	1813095	5.16	1232823	7.69	647499	9.88
240-64249-11	DR-TS11-042816	1849101	5.15	1283489	7.68	663309	9.88
240-64249-12	DR-TS12-042816	1855129	5.16	1298821	7.69	660331	9.88
CCVIS 240-229723/4		1818299	5.16	1310726	7.69	695947	9.88

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Sample No.: CCVIS 240-229723/4 Date Analyzed: 05/11/2016 00:59

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UX83607.D Heated Purge: (Y/N) Y

Calibration ID: 34323

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1818299	5.16	1310726	7.69	695947	9.88
UPPER LIMIT		3636598	5.66	2621452	8.19	1391894	10.38
LOWER LIMIT		909150	4.66	655363	7.19	347974	9.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-229723/5		1892995	5.16	1372842	7.69	689605	9.88
240-64249-10	DR-TS10-042816	1682012	5.16	1196587	7.68	615998	9.88

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Sample No.: ICIS 240-230141/6 Date Analyzed: 05/13/2016 00:33

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UX83655.D Heated Purge: (Y/N) Y

Calibration ID: 34380

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1630833	5.16	1144873	7.69	619910	9.88
UPPER LIMIT		3261666	5.66	2289746	8.19	1239820	10.38
LOWER LIMIT		815417	4.66	572437	7.19	309955	9.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-230141/11		1654787	5.16	1179776	7.68	616689	9.88
ICV 240-230141/12		1916732	5.16	1394302	7.69	695061	9.88
MB 240-229695/1-A		1977063	5.16	1450373	7.69	715977	9.88
LCS 240-229695/2-A		2053966	5.15	1430341	7.68	750988	9.88
240-64493-1	DR-TG1S-050516	2098376	5.16	1484896	7.68	731334	9.88
240-64493-2	DR-TG1N-050516	2004411	5.16	1457818	7.68	727768	9.88
240-64493-3	DR-TG2S-050516	1998896	5.16	1450138	7.69	735704	9.88
240-64493-4	DR-TG2N-050516	2129892	5.16	1510371	7.68	754516	9.88
240-64493-5	DR-TG3S-050516	2159154	5.16	1541028	7.69	782447	9.88
240-64493-6	DR-TG3N-050516	2074620	5.16	1463076	7.69	774186	9.88
240-64493-7	DR-TL8N-050516	2196848	5.16	1560708	7.69	783843	9.88
240-64493-8	DR-TL8S-050516	2127863	5.16	1537335	7.69	790988	9.88
240-64493-9	DR-TL7S-050516	2127736	5.16	1539171	7.69	768054	9.88
240-64493-10	DR-TL7N-050516	2047431	5.16	1436922	7.69	733372	9.88
CCVIS 240-230314/4		2033204	5.16	1467668	7.68	759157	9.88

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Sample No.: CCVIS 240-230314/4 Date Analyzed: 05/14/2016 01:53

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UX83686.D Heated Purge: (Y/N) Y

Calibration ID: 34380

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		2033204	5.16	1467668	7.68	759157	9.88
UPPER LIMIT		4066408	5.66	2935336	8.18	1518314	10.38
LOWER LIMIT		1016602	4.66	733834	7.18	379579	9.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-230314/5		2036740	5.16	1502800	7.68	782944	9.88
240-64493-11	DR-TL17S-050516	2050869	5.15	1458569	7.68	783575	9.88
240-64493-12	DR-TL17N-050516	2199904	5.16	1527488	7.68	783843	9.88
240-64493-13	DR-TL5S-050516	2189590	5.15	1547833	7.68	802407	9.88
240-64493-14	DR-TL5N-050516	2106012	5.16	1482584	7.69	758433	9.88

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab File ID: UX83589.D Lab Sample ID: MB 240-228807/1-A

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: A3UX8 Date Analyzed: 05/10/2016 05:40

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 240-228807/2-A	UX83590.D	05/10/2016 06:02
DR-TS1-042816	240-64249-1	UX83591.D	05/10/2016 06:23
DR-TS2-042816	240-64249-2	UX83592.D	05/10/2016 06:44
DR-TS2-042816 MS	240-64249-2 MS	UX83593.D	05/10/2016 07:05
DR-TS2-042816 MSD	240-64249-2 MSD	UX83594.D	05/10/2016 07:26
DR-TS3-042816	240-64249-3	UX83595.D	05/10/2016 07:48
DR-TS4-042816	240-64249-4	UX83596.D	05/10/2016 08:09
DR-TS5-042816	240-64249-5	UX83597.D	05/10/2016 08:30
DR-TS6-042816	240-64249-6	UX83598.D	05/10/2016 08:51
DR-TS7-042816	240-64249-7	UX83599.D	05/10/2016 09:12
DR-TS8-042816	240-64249-8	UX83600.D	05/10/2016 09:33
DR-TS9-042816	240-64249-9	UX83601.D	05/10/2016 09:55
DR-TS11-042816	240-64249-11	UX83603.D	05/10/2016 10:37
DR-TS12-042816	240-64249-12	UX83604.D	05/10/2016 10:58
DR-TS10-042816	240-64249-10	UX83611.D	05/11/2016 02:25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-228807/1-A

Matrix: Solid | Lab File ID: UX83589.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5.00(g) | Date Analyzed: 05/10/2016 05:40

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.049	U	0.25	0.049
71-55-6	1,1,1-Trichloroethane	0.027	U	0.25	0.027
79-34-5	1,1,2,2-Tetrachloroethane	0.025	U	0.25	0.025
76-13-1	1,1,2-Trichlorotrifluoroethane	0.042	U	0.25	0.042
75-34-3	1,1-Dichloroethane	0.035	U	0.25	0.035
75-35-4	1,1-Dichloroethene	0.030	U	0.25	0.030
563-58-6	1,1-Dichloropropene	0.038	U	0.25	0.038
87-61-6	1,2,3-Trichlorobenzene	0.039	U	0.25	0.039
96-18-4	1,2,3-Trichloropropane	0.10	U	0.25	0.10
526-73-8	1,2,3-Trimethylbenzene	0.013	U	0.25	0.013
120-82-1	1,2,4-Trichlorobenzene	0.030	U	0.25	0.030
95-63-6	1,2,4-Trimethylbenzene	0.013	U	0.25	0.013
96-12-8	1,2-Dibromo-3-Chloropropane	0.071	U	0.50	0.071
95-50-1	1,2-Dichlorobenzene	0.019	U	0.25	0.019
107-06-2	1,2-Dichloroethane	0.010	U	0.25	0.010
78-87-5	1,2-Dichloropropane	0.032	U	0.25	0.032
541-73-1	1,3-Dichlorobenzene	0.030	U	0.25	0.030
142-28-9	1,3-Dichloropropane	0.023	U	0.25	0.023
106-46-7	1,4-Dichlorobenzene	0.041	U	0.25	0.041
594-20-7	2,2-Dichloropropane	0.052	U	0.25	0.052
78-93-3	2-Butanone (MEK)	0.073	U	1.0	0.073
110-75-8	2-Chloroethyl vinyl ether	0.078	U	1.0	0.078
95-49-8	2-Chlorotoluene	0.041	U	0.25	0.041
591-78-6	2-Hexanone	0.084	U	1.0	0.084
106-43-4	4-Chlorotoluene	0.026	U	0.25	0.026
99-87-6	4-Isopropyltoluene	0.025	U	0.25	0.025
108-10-1	4-Methyl-2-pentanone (MIBK)	0.056	U	1.0	0.056
67-64-1	Acetone	0.23	U	1.0	0.23
71-43-2	Benzene	0.0090	U	0.25	0.0090
108-86-1	Bromobenzene	0.013	U	0.25	0.013
75-25-2	Bromoform	0.061	U	0.25	0.061
74-83-9	Bromomethane	0.051	U	0.25	0.051
75-15-0	Carbon disulfide	0.056	U	0.25	0.056
56-23-5	Carbon tetrachloride	0.018	U	0.25	0.018
108-90-7	Chlorobenzene	0.013	U	0.25	0.013
124-48-1	Chlorodibromomethane	0.020	U	0.25	0.020

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-228807/1-A

Matrix: Solid | Lab File ID: UX83589.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5.00(g) | Date Analyzed: 05/10/2016 05:40

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.051	U	0.25	0.051
67-66-3	Chloroform	0.036	U	0.25	0.036
74-87-3	Chloromethane	0.048	U	0.25	0.048
156-59-2	cis-1,2-Dichloroethene	0.038	U	0.25	0.038
10061-01-5	cis-1,3-Dichloropropene	0.022	U	0.25	0.022
74-95-3	Dibromomethane	0.050	U	0.25	0.050
74-97-5	Bromochloromethane	0.070	U	0.25	0.070
75-71-8	Dichlorodifluoromethane	0.061	U	0.25	0.061
75-27-4	Bromodichloromethane	0.038	U	0.25	0.038
75-65-0	tert-Butyl alcohol	0.84	U	10	0.84
100-41-4	Ethylbenzene	0.035	U	0.25	0.035
87-68-3	Hexachlorobutadiene	0.044	U	0.25	0.044
108-20-3	Diisopropyl ether	0.052	U	0.50	0.052
98-82-8	Isopropylbenzene	0.013	U	0.25	0.013
1634-04-4	Methyl tert-butyl ether	0.030	U	0.25	0.030
75-09-2	Methylene Chloride	0.085	U	0.25	0.085
179601-23-1	m-Xylene & p-Xylene	0.020	U	0.25	0.020
91-20-3	Naphthalene	0.026	U	0.25	0.026
104-51-8	n-Butylbenzene	0.021	U	0.25	0.021
103-65-1	N-Propylbenzene	0.061	U	0.25	0.061
95-47-6	o-Xylene	0.017	U	0.25	0.017
135-98-8	sec-Butylbenzene	0.016	U	0.25	0.016
100-42-5	Styrene	0.027	U	0.25	0.027
994-05-8	Tert-amyl methyl ether	0.042	U	0.25	0.042
637-92-3	Ethyl tert-butyl ether	0.016	U	0.25	0.016
127-18-4	Tetrachloroethene	0.027	U	0.25	0.027
108-88-3	Toluene	0.128	J	0.25	0.010
156-60-5	trans-1,2-Dichloroethene	0.026	U	0.25	0.026
10061-02-6	trans-1,3-Dichloropropene	0.026	U	0.25	0.026
79-01-6	Trichloroethene	0.039	U	0.25	0.039
75-69-4	Trichlorofluoromethane	0.035	U	0.25	0.035
108-05-4	Vinyl acetate	0.10	U	0.50	0.10
75-01-4	Vinyl chloride	0.017	U	0.25	0.017
1330-20-7	Xylenes, Total	0.032	U	0.50	0.032
98-06-6	tert-Butylbenzene	0.034	U	0.25	0.034
106-93-4	1,2-Dibromoethane	0.032	U	0.25	0.032

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-228807/1-A

Matrix: Solid Lab File ID: UX83589.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5.00(g) Date Analyzed: 05/10/2016 05:40

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Medium

Analysis Batch No.: 229536 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	84		33-134
1868-53-7	Dibromofluoromethane (Surr)	77		30-122
460-00-4	4-Bromofluorobenzene (Surr)	77		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	84		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-228807/1-A

Matrix: Solid | Lab File ID: UX83589.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5.00(g) | Date Analyzed: 05/10/2016 05:40

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

Number TICs Found: 1 | TIC Result Total: 0.112

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	
110-54-3	Hexane	3.73	0.112	J

Hexane not detected in associated samples.

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-228807/1-A

Matrix: Solid | Lab File ID: UX83589.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5.00(g) | Date Analyzed: 05/10/2016 05:40

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 229536 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.59	0.25	U

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: UX83590.D

Lab ID: LCS 240-228807/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	1.00	0.725	73	27-121	
1,1,1-Trichloroethane	1.00	0.751	75	38-122	
1,1,2,2-Tetrachloroethane	1.00	0.891	89	54-121	
1,1,2-Trichlorotrifluoroethane	1.00	0.857	86	48-151	
1,1-Dichloroethane	1.00	0.834	83	63-120	
1,1-Dichloroethene	1.00	0.724	72	44-143	
1,1-Dichloropropene	1.00	0.817	82	60-123	
1,2,3-Trichlorobenzene	1.00	0.836	84	43-129	
1,2,3-Trichloropropane	1.00	0.964	96	74-124	
1,2,4-Trichlorobenzene	1.00	0.831	83	41-135	
1,2,4-Trimethylbenzene	1.00	0.936	94	62-133	
1,2-Dibromo-3-Chloropropane	1.00	0.556	56	10-129	
1,2-Dichlorobenzene	1.00	0.893	89	68-120	
1,2-Dichloroethane	1.00	0.908	91	68-120	
1,2-Dichloropropane	1.00	0.924	92	73-120	
1,3-Dichlorobenzene	1.00	0.883	88	66-121	
1,3-Dichloropropane	1.00	0.911	91	74-120	
1,4-Dichlorobenzene	1.00	0.855	86	65-120	
2,2-Dichloropropane	1.00	0.643	64	25-123	
2-Butanone (MEK)	2.00	1.50	75	10-199	
2-Chloroethyl vinyl ether	1.00	1.03	103	25-140	
2-Chlorotoluene	1.00	0.903	90	68-122	
2-Hexanone	2.00	1.56	78	43-130	
4-Chlorotoluene	1.00	0.894	89	68-122	
4-Isopropyltoluene	1.00	0.925	93	56-136	
4-Methyl-2-pentanone (MIBK)	2.00	1.82	91	49-121	
Acetone	2.00	1.20	60	16-156	
Benzene	1.00	0.884	88	70-120	
Bromobenzene	1.00	0.928	93	72-120	
Bromoform	1.00	0.586	59	10-120	
Bromomethane	1.00	0.310	31	10-120	
Carbon disulfide	1.00	0.466	47	10-132	
Carbon tetrachloride	1.00	0.659	66	29-120	
Chlorobenzene	1.00	0.863	86	71-120	
Chlorodibromomethane	1.00	0.670	67	22-120	
Chloroethane	1.00	0.410	41	10-120	
Chloroform	1.00	0.835	83	63-120	
Chloromethane	1.00	0.583	58	25-120	
cis-1,2-Dichloroethene	1.00	0.903	90	60-125	
cis-1,3-Dichloropropene	1.00	0.756	76	25-120	
Dibromomethane	1.00	0.844	84	68-120	
Bromochloromethane	1.00	0.875	88	56-128	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: UX83590.D

Lab ID: LCS 240-228807/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	1.00	0.462	46	10-120	
Bromodichloromethane	1.00	0.793	79	28-123	
tert-Butyl alcohol	10.0	6.30 J	63	70-130	*
Ethylbenzene	1.00	0.897	90	66-120	
Hexachlorobutadiene	1.00	0.877	88	34-135	
Isopropylbenzene	1.00	0.914	91	61-123	
Methyl tert-butyl ether	1.00	0.880	88	34-157	
Methylene Chloride	1.00	0.857	86	27-172	
m-Xylene & p-Xylene	1.00	0.914	91	67-120	
Naphthalene	1.00	0.845	84	37-126	
n-Butylbenzene	1.00	0.872	87	51-137	
N-Propylbenzene	1.00	0.923	92	64-130	
o-Xylene	1.00	0.889	89	68-120	
sec-Butylbenzene	1.00	0.919	92	58-131	
Styrene	1.00	0.929	93	60-120	
Tetrachloroethene	1.00	0.838	84	58-131	
Toluene	1.00	1.44	144	66-123	*
trans-1,2-Dichloroethene	1.00	0.851	85	58-121	
trans-1,3-Dichloropropene	1.00	0.675	67	22-122	
Trichloroethene	1.00	0.875	87	59-124	
Trichlorofluoromethane	1.00	0.542	54	17-145	
Vinyl acetate	1.00	0.640	64	70-130	*
Vinyl chloride	1.00	0.651	65	33-120	
Xylenes, Total	2.00	1.80	90	68-120	
tert-Butylbenzene	1.00	0.897	90	58-128	
1,2-Dibromoethane	1.00	0.907	91	47-123	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: UX83593.D

Lab ID: 240-64249-2 MS Client ID: DR-TS2-042816 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	12.9	0.67 U	8.63	67	19-124	
1,1,1-Trichloroethane	12.9	0.37 U	9.96	77	10-159	
1,1,2,2-Tetrachloroethane	12.9	0.34 U	10.8	84	16-158	
1,1,2-Trichlorotrifluoroethane	12.9	0.58 U	12.9	100	23-168	
1,1-Dichloroethane	12.9	0.48 U	11.3	88	18-160	
1,1-Dichloroethene	12.9	0.41 U	12.2	95	10-179	
1,1-Dichloropropene	12.9	0.52 U	11.2	87	42-126	
1,2,3-Trichlorobenzene	12.9	0.54 U	10.4	80	10-123	
1,2,3-Trichloropropane	12.9	1.4 U	11.4	89	54-142	
1,2,4-Trichlorobenzene	12.9	0.41 U	10.6	82	10-136	
1,2,4-Trimethylbenzene	12.9	0.18 U	12.0	93	10-199	
1,2-Dibromo-3-Chloropropane	12.9	0.97 U	5.92 J	46	10-153	
1,2-Dichlorobenzene	12.9	0.26 U	11.5	89	27-126	
1,2-Dichloroethane	12.9	0.14 U	12.5	97	25-150	
1,2-Dichloropropane	12.9	0.44 U	12.6	98	58-120	
1,3-Dichlorobenzene	12.9	0.41 U	11.2	87	29-124	
1,3-Dichloropropane	12.9	0.32 U	11.7	91	58-120	
1,4-Dichlorobenzene	12.9	0.56 U	11.0	85	30-123	
2,2-Dichloropropane	12.9	0.71 U	8.28	64	26-127	
2-Butanone (MEK)	25.7	1.0 U	18.9	74	10-172	
2-Chloroethyl vinyl ether	12.9	1.1 U	11.8 J	92	10-137	
2-Chlorotoluene	12.9	0.56 U	11.8	91	51-120	
2-Hexanone	25.7	1.2 U	18.4	72	21-141	
4-Chlorotoluene	12.9	0.36 U	11.5	90	43-120	
4-Isopropyltoluene	12.9	0.34 U	11.7	91	33-139	
4-Methyl-2-pentanone (MIBK)	25.7	0.77 U	22.1	86	19-151	
Acetone	25.7	3.1 U	16.5	64	10-142	
Benzene	12.9	0.12 U	12.1	94	10-199	
Bromobenzene	12.9	0.18 U	11.6	90	49-120	
Bromoform	12.9	0.84 U	6.86	53	10-147	
Bromomethane	12.9	0.70 U	4.50	35	10-151	
Carbon disulfide	12.9	0.77 U	7.71	60	10-155	
Carbon tetrachloride	12.9	0.25 U	8.06	63	12-135	
Chlorobenzene	12.9	0.18 U	11.1	86	47-120	
Chlorodibromomethane	12.9	0.27 U	8.34	65	10-128	
Chloroethane	12.9	0.70 U	6.35	49	10-168	
Chloroform	12.9	0.49 U	11.6	90	51-120	
Chloromethane	12.9	0.66 U	9.40	73	16-120	
cis-1,2-Dichloroethene	12.9	0.52 U	12.0	93	34-137	
cis-1,3-Dichloropropene	12.9	0.30 U	9.10	71	19-121	
Dibromomethane	12.9	0.69 U	11.5	89	45-121	
Bromochloromethane	12.9	0.96 U	12.0	93	42-123	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: UX83593.D

Lab ID: 240-64249-2 MS Client ID: DR-TS2-042816 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	12.9	0.84 U	7.97	62	10-120	
Bromodichloromethane	12.9	0.52 U	10.0	78	18-133	
tert-Butyl alcohol	129	11 U	81.4 J	63	70-130	F1
Ethylbenzene	12.9	0.48 U	11.9	92	27-143	
Hexachlorobutadiene	12.9	0.60 U	11.8	92	10-134	
Isopropylbenzene	12.9	0.18 U	12.0	93	39-126	
Methyl tert-butyl ether	12.9	0.41 U	11.9	93	26-159	
Methylene Chloride	12.9	1.2 U	12.8	99	10-148	
m-Xylene & p-Xylene	12.9	0.27 U	11.7	91	14-151	
Naphthalene	12.9	0.36 U	10.3	80	10-199	
n-Butylbenzene	12.9	0.29 U	11.3	88	13-154	
N-Propylbenzene	12.9	0.84 U	11.7	91	41-135	
o-Xylene	12.9	0.23 U	12.0	93	18-151	
sec-Butylbenzene	12.9	0.22 U	11.8	92	41-133	
Styrene	12.9	0.37 U	12.2	95	31-137	
Tetrachloroethene	12.9	0.37 U	10.9	85	19-153	
Toluene	12.9	0.73 J	14.9	110	10-168	
trans-1,2-Dichloroethene	12.9	0.36 U	12.1	94	40-126	
trans-1,3-Dichloropropene	12.9	0.36 U	8.24	64	10-136	
Trichloroethene	12.9	0.54 U	12.3	95	10-193	
Trichlorofluoromethane	12.9	0.48 U	8.13	63	10-157	
Vinyl acetate	12.9	1.4 U	5.43 J	42	70-130	F1
Vinyl chloride	12.9	0.23 U	9.94	77	15-123	
Xylenes, Total	25.7	0.44 U	23.7	92	16-150	
tert-Butylbenzene	12.9	0.47 U	12.1	94	45-132	
1,2-Dibromoethane	12.9	0.44 U	11.2	87	32-127	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: UX83594.D

Lab ID: 240-64249-2 MSD Client ID: DR-TS2-042816 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	12.6	7.96	63	8	30	19-124	
1,1,1-Trichloroethane	12.6	9.08	72	9	30	10-159	
1,1,2,2-Tetrachloroethane	12.6	10.4	82	3	30	16-158	
1,1,2-Trichlorotrifluoroethane	12.6	11.2	89	14	30	23-168	
1,1-Dichloroethane	12.6	10.8	86	4	30	18-160	
1,1-Dichloroethene	12.6	10.3	82	17	30	10-179	
1,1-Dichloropropene	12.6	10.8	86	4	30	42-126	
1,2,3-Trichlorobenzene	12.6	11.1	88	7	30	10-123	
1,2,3-Trichloropropane	12.6	11.9	94	4	30	54-142	
1,2,4-Trichlorobenzene	12.6	11.2	88	5	30	10-136	
1,2,4-Trimethylbenzene	12.6	12.0	95	0	30	10-199	
1,2-Dibromo-3-Chloropropane	12.6	6.01 J	48	2	30	10-153	
1,2-Dichlorobenzene	12.6	11.6	92	0	30	27-126	
1,2-Dichloroethane	12.6	11.6	92	8	30	25-150	
1,2-Dichloropropane	12.6	12.0	95	4	30	58-120	
1,3-Dichlorobenzene	12.6	11.5	91	3	30	29-124	
1,3-Dichloropropane	12.6	11.4	90	2	30	58-120	
1,4-Dichlorobenzene	12.6	10.9	86	0	30	30-123	
2,2-Dichloropropane	12.6	7.78	62	6	30	26-127	
2-Butanone (MEK)	25.3	19.3	76	2	30	10-172	
2-Chloroethyl vinyl ether	12.6	12.6 J	100	6	30	10-137	
2-Chlorotoluene	12.6	12.0	95	2	30	51-120	
2-Hexanone	25.3	19.4	77	5	30	21-141	
4-Chlorotoluene	12.6	11.6	92	1	30	43-120	
4-Isopropyltoluene	12.6	11.9	94	2	30	33-139	
4-Methyl-2-pentanone (MIBK)	25.3	22.0	87	0	30	19-151	
Acetone	25.3	14.5	58	13	30	10-142	
Benzene	12.6	11.4	90	6	30	10-199	
Bromobenzene	12.6	11.6	91	0	30	49-120	
Bromoform	12.6	7.00	55	2	30	10-147	
Bromomethane	12.6	4.32	34	4	30	10-151	
Carbon disulfide	12.6	7.36	58	5	30	10-155	
Carbon tetrachloride	12.6	7.53	60	7	30	12-135	
Chlorobenzene	12.6	10.9	87	2	30	47-120	
Chlorodibromomethane	12.6	7.59	60	9	30	10-128	
Chloroethane	12.6	5.92	47	7	30	10-168	
Chloroform	12.6	10.7	85	8	30	51-120	
Chloromethane	12.6	8.72	69	7	30	16-120	
cis-1,2-Dichloroethene	12.6	11.1	88	8	30	34-137	
cis-1,3-Dichloropropene	12.6	8.63	68	5	30	19-121	
Dibromomethane	12.6	10.5	83	9	30	45-121	
Bromochloromethane	12.6	11.2	88	7	30	42-123	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: UX83594.D

Lab ID: 240-64249-2 MSD Client ID: DR-TS2-042816 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Dichlorodifluoromethane	12.6	7.39	59	8	30	10-120	
Bromodichloromethane	12.6	9.62	76	4	30	18-133	
tert-Butyl alcohol	126	79.8 J	63	2	30	70-130	F1
Ethylbenzene	12.6	11.5	91	3	30	27-143	
Hexachlorobutadiene	12.6	11.9	94	0	30	10-134	
Isopropylbenzene	12.6	11.8	94	2	30	39-126	
Methyl tert-butyl ether	12.6	11.1	88	7	30	26-159	
Methylene Chloride	12.6	11.0	87	15	30	10-148	
m-Xylene & p-Xylene	12.6	11.5	91	2	30	14-151	
Naphthalene	12.6	10.9	87	6	30	10-199	
n-Butylbenzene	12.6	11.5	91	2	30	13-154	
N-Propylbenzene	12.6	11.8	93	1	30	41-135	
o-Xylene	12.6	11.9	94	1	30	18-151	
sec-Butylbenzene	12.6	11.8	94	0	30	41-133	
Styrene	12.6	12.2	96	1	30	31-137	
Tetrachloroethene	12.6	11.1	88	2	30	19-153	
Toluene	12.6	14.5	109	3	30	10-168	
trans-1,2-Dichloroethene	12.6	11.0	87	9	30	40-126	
trans-1,3-Dichloropropene	12.6	7.99	63	3	30	10-136	
Trichloroethene	12.6	11.2	89	9	30	10-193	
Trichlorofluoromethane	12.6	7.81	62	4	30	10-157	
Vinyl acetate	12.6	5.25 J	42	4	30	70-130	F1
Vinyl chloride	12.6	9.72	77	2	30	15-123	
Xylenes, Total	25.3	23.4	93	1	30	16-150	
tert-Butylbenzene	12.6	12.0	95	1	30	45-132	
1,2-Dibromoethane	12.6	10.9	86	3	30	32-127	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab File ID: UX83671.D Lab Sample ID: MB 240-229695/1-A

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: A3UX8 Date Analyzed: 05/13/2016 06:19

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 240-229695/2-A	UX83672.D	05/13/2016 06:40
DR-TG1S-050516	240-64493-1	UX83674.D	05/13/2016 07:22
DR-TG1N-050516	240-64493-2	UX83675.D	05/13/2016 07:44
DR-TG2S-050516	240-64493-3	UX83676.D	05/13/2016 08:05
DR-TG2N-050516	240-64493-4	UX83677.D	05/13/2016 08:26
DR-TG3S-050516	240-64493-5	UX83678.D	05/13/2016 08:47
DR-TG3N-050516	240-64493-6	UX83679.D	05/13/2016 09:08
DR-TL8N-050516	240-64493-7	UX83680.D	05/13/2016 09:30
DR-TL8S-050516	240-64493-8	UX83681.D	05/13/2016 09:51
DR-TL7S-050516	240-64493-9	UX83682.D	05/13/2016 10:12
DR-TL7N-050516	240-64493-10	UX83683.D	05/13/2016 10:33
DR-TL17S-050516	240-64493-11	UX83693.D	05/14/2016 04:21
DR-TL17N-050516	240-64493-12	UX83694.D	05/14/2016 04:42
DR-TL5S-050516	240-64493-13	UX83695.D	05/14/2016 05:04
DR-TL5N-050516	240-64493-14	UX83696.D	05/14/2016 05:25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-229695/1-A

Matrix: Solid | Lab File ID: UX83671.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5.00(g) | Date Analyzed: 05/13/2016 06:19

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.049	U	0.25	0.049
71-55-6	1,1,1-Trichloroethane	0.027	U	0.25	0.027
79-34-5	1,1,2,2-Tetrachloroethane	0.025	U	0.25	0.025
76-13-1	1,1,2-Trichlorotrifluoroethane	0.042	U	0.25	0.042
75-34-3	1,1-Dichloroethane	0.035	U	0.25	0.035
75-35-4	1,1-Dichloroethene	0.030	U	0.25	0.030
563-58-6	1,1-Dichloropropene	0.038	U	0.25	0.038
87-61-6	1,2,3-Trichlorobenzene	0.039	U	0.25	0.039
96-18-4	1,2,3-Trichloropropane	0.10	U	0.25	0.10
526-73-8	1,2,3-Trimethylbenzene	0.013	U	0.25	0.013
120-82-1	1,2,4-Trichlorobenzene	0.030	U	0.25	0.030
95-63-6	1,2,4-Trimethylbenzene	0.013	U	0.25	0.013
96-12-8	1,2-Dibromo-3-Chloropropane	0.071	U	0.50	0.071
95-50-1	1,2-Dichlorobenzene	0.019	U	0.25	0.019
107-06-2	1,2-Dichloroethane	0.010	U	0.25	0.010
78-87-5	1,2-Dichloropropane	0.032	U	0.25	0.032
541-73-1	1,3-Dichlorobenzene	0.030	U	0.25	0.030
142-28-9	1,3-Dichloropropane	0.023	U	0.25	0.023
106-46-7	1,4-Dichlorobenzene	0.041	U	0.25	0.041
594-20-7	2,2-Dichloropropane	0.052	U	0.25	0.052
78-93-3	2-Butanone (MEK)	0.073	U	1.0	0.073
110-75-8	2-Chloroethyl vinyl ether	0.078	U	1.0	0.078
95-49-8	2-Chlorotoluene	0.041	U	0.25	0.041
591-78-6	2-Hexanone	0.084	U	1.0	0.084
106-43-4	4-Chlorotoluene	0.026	U	0.25	0.026
99-87-6	4-Isopropyltoluene	0.025	U	0.25	0.025
108-10-1	4-Methyl-2-pentanone (MIBK)	0.056	U	1.0	0.056
67-64-1	Acetone	0.23	U	1.0	0.23
71-43-2	Benzene	0.0090	U	0.25	0.0090
108-86-1	Bromobenzene	0.013	U	0.25	0.013
75-25-2	Bromoform	0.061	U	0.25	0.061
74-83-9	Bromomethane	0.051	U	0.25	0.051
75-15-0	Carbon disulfide	0.056	U	0.25	0.056
56-23-5	Carbon tetrachloride	0.018	U	0.25	0.018
108-90-7	Chlorobenzene	0.013	U	0.25	0.013
124-48-1	Chlorodibromomethane	0.020	U	0.25	0.020

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-229695/1-A

Matrix: Solid | Lab File ID: UX83671.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5.00(g) | Date Analyzed: 05/13/2016 06:19

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.051	U	0.25	0.051
67-66-3	Chloroform	0.036	U	0.25	0.036
74-87-3	Chloromethane	0.048	U	0.25	0.048
156-59-2	cis-1,2-Dichloroethene	0.038	U	0.25	0.038
10061-01-5	cis-1,3-Dichloropropene	0.022	U	0.25	0.022
74-95-3	Dibromomethane	0.050	U	0.25	0.050
74-97-5	Bromochloromethane	0.070	U	0.25	0.070
75-71-8	Dichlorodifluoromethane	0.061	U	0.25	0.061
75-27-4	Bromodichloromethane	0.038	U	0.25	0.038
75-65-0	tert-Butyl alcohol	0.84	U	10	0.84
100-41-4	Ethylbenzene	0.035	U	0.25	0.035
87-68-3	Hexachlorobutadiene	0.044	U	0.25	0.044
108-20-3	Diisopropyl ether	0.052	U	0.50	0.052
98-82-8	Isopropylbenzene	0.013	U	0.25	0.013
1634-04-4	Methyl tert-butyl ether	0.030	U	0.25	0.030
75-09-2	Methylene Chloride	0.085	U	0.25	0.085
179601-23-1	m-Xylene & p-Xylene	0.020	U	0.25	0.020
91-20-3	Naphthalene	0.026	U	0.25	0.026
104-51-8	n-Butylbenzene	0.021	U	0.25	0.021
103-65-1	N-Propylbenzene	0.061	U	0.25	0.061
95-47-6	o-Xylene	0.017	U	0.25	0.017
135-98-8	sec-Butylbenzene	0.016	U	0.25	0.016
100-42-5	Styrene	0.027	U	0.25	0.027
994-05-8	Tert-amyl methyl ether	0.042	U	0.25	0.042
637-92-3	Ethyl tert-butyl ether	0.016	U	0.25	0.016
127-18-4	Tetrachloroethene	0.027	U	0.25	0.027
108-88-3	Toluene	0.0239	J	0.25	0.010
156-60-5	trans-1,2-Dichloroethene	0.026	U	0.25	0.026
10061-02-6	trans-1,3-Dichloropropene	0.026	U	0.25	0.026
79-01-6	Trichloroethene	0.039	U	0.25	0.039
75-69-4	Trichlorofluoromethane	0.035	U	0.25	0.035
108-05-4	Vinyl acetate	0.10	U	0.50	0.10
75-01-4	Vinyl chloride	0.017	U	0.25	0.017
1330-20-7	Xylenes, Total	0.032	U	0.50	0.032
98-06-6	tert-Butylbenzene	0.034	U	0.25	0.034
106-93-4	1,2-Dibromoethane	0.032	U	0.25	0.032

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-229695/1-A

Matrix: Solid Lab File ID: UX83671.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5.00(g) Date Analyzed: 05/13/2016 06:19

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Medium

Analysis Batch No.: 230141 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	77		33-134
1868-53-7	Dibromofluoromethane (Surr)	65		30-122
460-00-4	4-Bromofluorobenzene (Surr)	70		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	74		39-128

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

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-229695/1-A

Matrix: Solid Lab File ID: UX83671.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5.00(g) Date Analyzed: 05/13/2016 06:19

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Medium

Analysis Batch No.: 230141 Units: mg/Kg

Number TICs Found: 0 TIC Result Total: 0

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

FORM I-TIC 8260B

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-229695/1-A

Matrix: Solid | Lab File ID: UX83671.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5.00(g) | Date Analyzed: 05/13/2016 06:19

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 230141 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.59	0.25	U

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: UX83672.D

Lab ID: LCS 240-229695/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	1.00	0.707	71	27-121	
1,1,1-Trichloroethane	1.00	0.730	73	38-122	
1,1,2,2-Tetrachloroethane	1.00	0.818	82	54-121	
1,1,2-Trichlorotrifluoroethane	1.00	0.914	91	48-151	
1,1-Dichloroethane	1.00	0.860	86	63-120	
1,1-Dichloroethene	1.00	0.906	91	44-143	
1,1-Dichloropropene	1.00	0.899	90	60-123	
1,2,3-Trichlorobenzene	1.00	0.844	84	43-129	
1,2,3-Trichloropropane	1.00	0.864	86	74-124	
1,2,4-Trichlorobenzene	1.00	0.867	87	41-135	
1,2,4-Trimethylbenzene	1.00	0.963	96	62-133	
1,2-Dibromo-3-Chloropropane	1.00	0.611	61	10-129	
1,2-Dichlorobenzene	1.00	0.905	91	68-120	
1,2-Dichloroethane	1.00	0.876	88	68-120	
1,2-Dichloropropane	1.00	0.853	85	73-120	
1,3-Dichlorobenzene	1.00	0.909	91	66-121	
1,3-Dichloropropane	1.00	0.856	86	74-120	
1,4-Dichlorobenzene	1.00	0.888	89	65-120	
2,2-Dichloropropane	1.00	0.593	59	25-123	
2-Butanone (MEK)	2.00	1.40	70	10-199	
2-Chloroethyl vinyl ether	1.00	0.917 J	92	25-140	
2-Chlorotoluene	1.00	0.911	91	68-122	
2-Hexanone	2.00	1.42	71	43-130	
4-Chlorotoluene	1.00	0.915	91	68-122	
4-Isopropyltoluene	1.00	0.912	91	56-136	
4-Methyl-2-pentanone (MIBK)	2.00	1.57	79	49-121	
Acetone	2.00	0.990 J	50	16-156	
Benzene	1.00	0.888	89	70-120	
Bromobenzene	1.00	0.868	87	72-120	
Bromoform	1.00	0.651	65	10-120	
Bromomethane	1.00	0.328	33	10-120	
Carbon disulfide	1.00	0.621	62	10-132	
Carbon tetrachloride	1.00	0.646	65	29-120	
Chlorobenzene	1.00	0.877	88	71-120	
Chlorodibromomethane	1.00	0.672	67	22-120	
Chloroethane	1.00	0.440	44	10-120	
Chloroform	1.00	0.821	82	63-120	
Chloromethane	1.00	0.684	68	25-120	
cis-1,2-Dichloroethene	1.00	0.871	87	60-125	
cis-1,3-Dichloropropene	1.00	0.732	73	25-120	
Dibromomethane	1.00	0.818	82	68-120	
Bromochloromethane	1.00	0.849	85	56-128	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: UX83672.D

Lab ID: LCS 240-229695/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	1.00	0.523	52	10-120	
Bromodichloromethane	1.00	0.733	73	28-123	
tert-Butyl alcohol	10.0	6.31 J	63	70-130	*
Ethylbenzene	1.00	0.884	88	66-120	
Hexachlorobutadiene	1.00	0.906	91	34-135	
Isopropylbenzene	1.00	0.947	95	61-123	
Methyl tert-butyl ether	1.00	0.800	80	34-157	
Methylene Chloride	1.00	0.861	86	27-172	
m-Xylene & p-Xylene	1.00	0.885	88	67-120	
Naphthalene	1.00	0.796	80	37-126	
n-Butylbenzene	1.00	0.977	98	51-137	
N-Propylbenzene	1.00	0.945	95	64-130	
o-Xylene	1.00	0.900	90	68-120	
sec-Butylbenzene	1.00	0.955	96	58-131	
Styrene	1.00	0.906	91	60-120	
Tetrachloroethene	1.00	0.899	90	58-131	
Toluene	1.00	0.982	98	66-123	
trans-1,2-Dichloroethene	1.00	0.902	90	58-121	
trans-1,3-Dichloropropene	1.00	0.665	67	22-122	
Trichloroethene	1.00	0.886	89	59-124	
Trichlorofluoromethane	1.00	0.641	64	17-145	
Vinyl acetate	1.00	0.894	89	70-130	
Vinyl chloride	1.00	0.746	75	33-120	
Xylenes, Total	2.00	1.79	89	68-120	
tert-Butylbenzene	1.00	0.926	93	58-128	
1,2-Dibromoethane	1.00	0.823	82	47-123	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab File ID: BFB8051.D BFB Injection Date: 04/14/2016

Instrument ID: A3UX8 BFB Injection Time: 00:41

Analysis Batch No.: 225886

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	24.3	
75	30.0 - 60.0 % of mass 95	49.3	
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	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	90.3	
175	5.0 - 9.0 % of mass 174	6.8	(7.5) 1
176	95.0 - 101.0 % of mass 174	87.5	(96.8) 1
177	5.0 - 9.0 % of mass 176	5.9	(6.8) 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
	STDA9 240-225886/4	UX83246.D	04/14/2016	01:39
	STDA9 240-225886/5	UX83247.D	04/14/2016	02:01
	STDA9 240-225886/6	UX83248.D	04/14/2016	02:23
	STDA9 240-225886/7	UX83249.D	04/14/2016	02:45
	STDA9 240-225886/8	UX83250.D	04/14/2016	03:06
	STDA9 240-225886/9	UX83251.D	04/14/2016	03:28

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-64249-1 Analy Batch No.: 225886

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/14/2016 01:39 Calibration End Date: 04/14/2016 03:28 Calibration ID: 33952

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-225886/9	UX83251.D
Level 2	STDA9 240-225886/8	UX83250.D
Level 3	STDA9 240-225886/7	UX83249.D
Level 4	STDA9 240-225886/6	UX83248.D
Level 5	STDA9 240-225886/5	UX83247.D
Level 6	STDA9 240-225886/4	UX83246.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	0.0506 0.0417	0.0463	0.0433	0.0508	0.0464	Ave		0.0465				8.0		15.0			
Diisopropyl ether	0.1891 0.1731	0.1867	0.1647	0.2072	0.2001	Ave		0.1868				8.5		15.0			
2-Chloro-1,3-butadiene	0.3697 0.3701	0.3617	0.3105	0.4318	0.4231	Ave		0.3778				11.8		15.0			
Ethyl tert-butyl ether	0.6435 0.5708	0.6259	0.5363	0.6843	0.6558	Ave		0.6195				9.0		15.0			
Ethyl acetate	0.3776 0.3290	0.3612	0.3074	0.3874	0.3564	Ave		0.3532				8.5		15.0			
Propionitrile	0.0547 0.0438	0.0529	0.0451	0.0555	0.0497	Ave		0.0503				9.9		15.0			
Methacrylonitrile	0.2588 0.1954	0.2505	0.2117	0.2524	0.2270	Ave		0.2326				11.0		15.0			
Tert-amyl methyl ether	0.4645 0.4335	0.4492	0.3984	0.5115	0.4773	Ave		0.4557				8.5		15.0			
n-Butanol	0.0094 0.0075	0.0073	0.0071	0.0086	0.0082	Ave		0.0080				10.8		15.0			
Ethyl acrylate	0.3637 0.3830	0.3696	0.3372	0.4243	0.3959	Ave		0.3790				7.8		15.0			
Methyl methacrylate	0.3271 0.3027	0.3179	0.2773	0.3528	0.3270	Ave		0.3175				8.0		15.0			
2-Nitropropane	0.0480 0.0888	0.0529	0.0480	0.0763	0.0803	Lin1	-0.646	0.0864							0.9920		0.9900
n-Butyl acetate	0.5252 0.4899	0.4700	0.4215	0.5369	0.5040	Ave		0.4912				8.5		15.0			
1-Chlorohexane	0.3329 0.3095	0.3147	0.2755	0.3654	0.3564	Ave		0.3257				10.2		15.0			
Cyclohexanone	0.0163 0.0115	0.0143	0.0125	0.0139	0.0130	Ave		0.0136				12.4		15.0			

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.: 240-64249-1 Analy Batch No.: 225886

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/14/2016 01:39 Calibration End Date: 04/14/2016 03:28 Calibration ID: 33952

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								
1,2,3-Trimethylbenzene	2.4703 1.8539	2.1647	2.0131	2.3931	2.2997	Ave		2.1991				10.7		15.0			
Benzyl chloride	0.1016 0.1735	0.0763	0.0742	0.1159	0.1467	Qua	-0.547	0.1200	0.0002830						0.9990		0.9900
1,3,5-Trichlorobenzene	0.8856 0.7760	0.7784	0.6790	0.8212	0.8330	Ave		0.7955				8.8		15.0			
2-Methylnaphthalene	1.2748 1.4506	1.0281	1.2641	1.5041	1.4691	Ave		1.3318				13.5		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab File ID: BFB8066.D BFB Injection Date: 05/10/2016

Instrument ID: A3UX8 BFB Injection Time: 00:30

Analysis Batch No.: 229536

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.9	
75	30.0 - 60.0 % of mass 95	44.9	
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	0.5	(0.6) 1
174	50.0 - 120.00 % of mass 95	87.4	
175	5.0 - 9.0 % of mass 174	6.2	(7.1) 1
176	95.0 - 101.0 % of mass 174	84.0	(96.1) 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
	STD8260 240-229536/3	UX83576.D	05/10/2016	01:04
	STD8260 240-229536/4	UX83577.D	05/10/2016	01:26
	STD8260 240-229536/5	UX83578.D	05/10/2016	01:47
	ICIS 240-229536/6	UX83579.D	05/10/2016	02:08
	STD8260 240-229536/7	UX83580.D	05/10/2016	02:29
	STD8260 240-229536/8	UX83581.D	05/10/2016	02:51
	STD8260 240-229536/9	UX83582.D	05/10/2016	03:12
	STD8260 240-229536/10	UX83583.D	05/10/2016	03:33
	CCV 240-229536/11	UX83584.D	05/10/2016	03:54
	ICV 240-229536/13	UX83586.D	05/10/2016	04:37
	MB 240-228807/1-A	UX83589.D	05/10/2016	05:40
	LCS 240-228807/2-A	UX83590.D	05/10/2016	06:02
DR-TS1-042816	240-64249-1	UX83591.D	05/10/2016	06:23
DR-TS2-042816	240-64249-2	UX83592.D	05/10/2016	06:44
DR-TS2-042816 MS	240-64249-2 MS	UX83593.D	05/10/2016	07:05
DR-TS2-042816 MSD	240-64249-2 MSD	UX83594.D	05/10/2016	07:26
DR-TS3-042816	240-64249-3	UX83595.D	05/10/2016	07:48
DR-TS4-042816	240-64249-4	UX83596.D	05/10/2016	08:09
DR-TS5-042816	240-64249-5	UX83597.D	05/10/2016	08:30
DR-TS6-042816	240-64249-6	UX83598.D	05/10/2016	08:51
DR-TS7-042816	240-64249-7	UX83599.D	05/10/2016	09:12
DR-TS8-042816	240-64249-8	UX83600.D	05/10/2016	09:33
DR-TS9-042816	240-64249-9	UX83601.D	05/10/2016	09:55
DR-TS11-042816	240-64249-11	UX83603.D	05/10/2016	10:37
DR-TS12-042816	240-64249-12	UX83604.D	05/10/2016	10:58

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-64249-1 Analy Batch No.: 229536

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 05/10/2016 01:04 Calibration End Date: 05/10/2016 03:33 Calibration ID: 34323

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-229536/10	UX83583.D
Level 2	STD8260 240-229536/9	UX83582.D
Level 3	STD8260 240-229536/8	UX83581.D
Level 4	STD8260 240-229536/7	UX83580.D
Level 5	ICIS 240-229536/6	UX83579.D
Level 6	STD8260 240-229536/5	UX83578.D
Level 7	STD8260 240-229536/4	UX83577.D
Level 8	STD8260 240-229536/3	UX83576.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 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 0.1953	0.1335 0.1927	0.2067 0.2063	0.2000	0.1983	Ave		0.1904				13.5		15.0			
Chloromethane	0.2551 0.2477	0.2462 0.2331	0.2796 0.2389	0.2668	0.2597	Ave		0.2534			0.1000	6.0		15.0			
Vinyl chloride	0.1120 0.1699	0.1609 0.1646	0.1957 0.1747	0.1838	0.1767	Ave		0.1673				14.9		15.0			
Butadiene	+++++ 0.1983	0.1542 0.1876	0.2157 0.2052	0.2032	0.2035	Ave		0.1954				10.2		15.0			
Bromomethane	0.0929 0.0782	0.1057 0.0650	0.1080 +++++	0.1002	0.0942	Qua	0.0625	0.0924	-0.000281						0.9990		0.9900
Chloroethane	0.1026 0.0829	0.1136 0.0722	0.1106 +++++	0.1085	0.0996	Qua	0.0805	0.0950	-0.000238						0.9990		0.9900
Dichlorofluoromethane	0.1877 0.1924	0.1955 0.1731	0.2355 0.1634	0.2367	0.2213	Ave		0.2007				13.8		15.0			
Trichlorofluoromethane	+++++ 0.1941	0.1622 0.1864	0.2292 0.1877	0.2187	0.2141	Ave		0.1989				11.6		15.0			
Ethyl ether	0.1752 0.1529	0.1925 0.1336	0.1834 0.1231	0.1637	0.1640	Ave		0.1610				14.8		15.0			
Acrolein	0.0373 0.0344	0.0407 0.0304	0.0476 +++++	0.0413	0.0391	Ave		0.0387				14.1		15.0			
1,1-Dichloroethene	0.1055 0.1293	0.1246 0.1186	0.1466 0.1256	0.1363	0.1312	Ave		0.1272				9.6		15.0			
1,1,2-Trichlorotrifluoroethane	0.0872 0.1082	0.0827 0.1020	0.1241 0.1109	0.1084	0.1122	Ave		0.1045				13.0		15.0			
Acetone	0.3986 0.1397	0.2690 0.1172	0.2021 0.1123	0.1817	0.1442	Lin1	0.6731	0.1163							0.9920		0.9900
Iodomethane	0.2488 0.2923	0.2978 0.2780	0.2982 0.2889	0.2825	0.2915	Ave		0.2848				5.7		15.0			

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.: 240-64249-1 Analy Batch No.: 229536

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 05/10/2016 01:04 Calibration End Date: 05/10/2016 03:33 Calibration ID: 34323

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 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	+++++ 0.4101	0.2896 0.4126	0.3429 0.4570	0.3480	0.3767	Ave		0.3767				14.7		15.0			
3-Chloro-1-propene	+++++ 0.0873	0.0655 0.0889	0.0785 0.0957	0.0753	0.0867	Ave		0.0826				12.2		15.0			
Methyl acetate	0.2287 0.2366	0.2216 0.2232	0.2547 0.2257	0.2405	0.2375	Ave		0.2336				4.7		15.0			
Methylene Chloride	0.9976 0.2156	0.6398 0.1938	0.4084 0.1977	0.2768	0.2411	Lin1	0.8652	0.1925							0.9980		0.9900
tert-Butyl alcohol	0.0194 0.0212	0.0187 0.0187	0.0209 0.0158	0.0214	0.0207	Ave		0.0196				9.6		15.0			
Acrylonitrile	0.1037 0.1066	0.0982 0.0986	0.1131 0.0984	0.1074	0.1073	Ave		0.1041				5.2		15.0			
trans-1,2-Dichloroethene	0.1651 0.1902	0.1737 0.1789	0.1986 0.1903	0.1906	0.1909	Ave		0.1848				6.0		15.0			
Methyl tert-butyl ether	0.4946 0.5534	0.4923 0.5186	0.5602 0.5300	0.5172	0.5527	Ave		0.5274				5.0		15.0			
Hexane	+++++ 0.0510	0.0641 0.0498	0.0679 0.0551	0.0547	0.0559	Ave		0.0569				11.7		15.0			
1,1-Dichloroethane	0.3268 0.3454	0.3393 0.3278	0.3615 0.3523	0.3349	0.3512	Ave		0.3424			0.1000	3.6		15.0			
Vinyl acetate	+++++ 0.4735	0.3389 0.4800	0.4285 0.5094	0.4200	0.4618	Ave		0.4446				12.5		15.0			
2-Butanone (MEK)	0.2049 0.1932	0.1753 0.1743	0.2005 0.1722	0.1992	0.1908	Ave		0.1888				6.9		15.0			
cis-1,2-Dichloroethene	0.2131 0.2151	0.2073 0.2070	0.2215 0.2160	0.2121	0.2190	Ave		0.2139				2.4		15.0			
2,2-Dichloropropane	0.1011 0.1190	0.0808 0.1175	0.1157 0.1197	0.1075	0.1145	Ave		0.1095				12.1		15.0			
Bromochloromethane	0.0970 0.1154	0.1045 0.1080	0.1151 0.1114	0.1143	0.1149	Ave		0.1101				6.0		15.0			
Tetrahydrofuran	0.1054 0.1044	0.0907 0.0948	0.1033 0.0973	0.1032	0.0983	Ave		0.0997				5.3		15.0			
Chloroform	0.4036 0.3315	0.3725 0.3118	0.3737 0.3336	0.3291	0.3393	Ave		0.3494				8.8		15.0			
1,1,1-Trichloroethane	+++++ 0.2327	0.1729 0.2310	0.2125 0.2543	0.2116	0.2269	Ave		0.2203				11.5		15.0			
Cyclohexane	0.2543 0.3503	0.2657 0.3315	0.3685 0.3707	0.3365	0.3462	Ave		0.3280				13.5		15.0			
1,1-Dichloropropene	0.2079 0.2441	0.2173 0.2352	0.2556 0.2541	0.2422	0.2434	Ave		0.2375				7.1		15.0			

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.: 240-64249-1 Analy Batch No.: 229536

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 05/10/2016 01:04 Calibration End Date: 05/10/2016 03:33 Calibration ID: 34323

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 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon tetrachloride	+++++ 0.2029	0.1480 0.2037	0.1827 0.2344	0.1784	0.1893	Ave		0.1913				13.9		15.0			
Isobutyl alcohol	0.0086 0.0119	0.0086 0.0101	0.0108 0.0097	0.0112	0.0110	Ave		0.0102				11.9		15.0			
1,2-Dichloroethane	0.3111 0.3020	0.3172 0.2826	0.3341 0.2900	0.3060	0.3104	Ave		0.3067				5.2		15.0			
Benzene	0.7552 0.7425	0.7479 0.6986	0.7920 0.7434	0.7527	0.7583	Ave		0.7488				3.4		15.0			
n-Heptane	+++++ 0.0596	+++++ 0.0589	0.0635 0.0645	0.0546	0.0613	Ave		0.0604				5.9		15.0			
Trichloroethene	0.1978 0.2180	0.2108 0.2027	0.2325 0.2175	0.2120	0.2124	Ave		0.2130				4.9		15.0			
Methylcyclohexane	+++++ 0.3143	0.2200 0.3082	0.3333 0.3394	0.3132	0.3208	Ave		0.3070				13.0		15.0			
1,2-Dichloropropane	0.1709 0.1967	0.1910 0.1871	0.2028 0.1940	0.1910	0.1992	Ave		0.1916				5.1		15.0			
Dibromomethane	0.0964 0.1202	0.1194 0.1134	0.1153 0.1158	0.1209	0.1199	Ave		0.1152				7.0		15.0			
1,4-Dioxane	+++++ 0.0026	+++++ 0.0021	0.0019 0.0020	0.0024	0.0024	Ave		0.0022				11.6		15.0			
Bromodichloromethane	+++++ 0.2289	0.1541 0.2234	0.1860 0.2442	0.1951	0.2131	Ave		0.2064				14.7		15.0			
2-Chloroethyl vinyl ether	+++++ 0.0583	0.0416 0.0559	0.0439 0.0622	0.0488	0.0517	Ave		0.0518				14.6		15.0			
cis-1,3-Dichloropropene	0.1476 0.2581	0.1652 0.2579	0.1963 0.2838	0.2138	0.2385	Qua	-0.138	0.2406	0.0002185						1.0000		0.9900
4-Methyl-2-pentanone (MIBK)	0.2327 0.3169	0.2270 0.2872	0.2764 0.2863	0.2938	0.2961	Ave		0.2771				11.3		15.0			
Toluene	1.1032 1.1122	1.1850 1.0701	1.1990 1.1566	1.1445	1.1433	Ave		1.1393				3.8		15.0			
trans-1,3-Dichloropropene	0.1443 0.2960	0.1770 0.3068	0.2037 0.3428	0.2252	0.2582	Qua	-0.320	0.2787	0.0003279						1.0000		0.9900
Ethyl methacrylate	+++++ 0.3644	0.2546 0.3554	0.3108 0.3634	0.3268	0.3544	Ave		0.3328				12.0		15.0			
1,1,2-Trichloroethane	0.2268 0.2505	0.2312 0.2389	0.2774 0.2466	0.2552	0.2558	Ave		0.2478				6.5		15.0			
1,3-Dichloropropane	0.4220 0.4259	0.4116 0.4038	0.4401 0.4122	0.4421	0.4249	Ave		0.4228				3.2		15.0			
Tetrachloroethene	0.2005 0.2282	0.2129 0.2227	0.2553 0.2426	0.2446	0.2348	Ave		0.2302				7.8		15.0			

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.: 240-64249-1 Analy Batch No.: 229536

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 05/10/2016 01:04 Calibration End Date: 05/10/2016 03:33 Calibration ID: 34323

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 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.2664 0.3409	0.2551 0.3099	0.3033 0.3135	0.3273	0.3156	Ave		0.3040				9.6		15.0			
Chlorodibromomethane	+++++ 0.2520	+++++ 0.2522	0.1980 0.2788	0.2007	0.2211	Ave		0.2338				13.8		15.0			
1,2-Dibromoethane	0.1932 0.2637	0.2194 0.2500	0.2514 0.2598	0.2418	0.2572	Ave		0.2421				10.0		15.0			
Chlorobenzene	0.9185 0.7864	0.8380 0.7467	0.9101 0.7940	0.8071	0.8241	Ave		0.8281			0.3000	7.2		15.0			
1,1,1,2-Tetrachloroethane	+++++ 0.2509	0.1781 0.2507	0.2330 0.2758	0.2271	0.2413	Ave		0.2367				12.8		15.0			
Ethylbenzene	0.3579 0.4042	0.3874 0.3851	0.4362 0.4111	0.4019	0.4080	Ave		0.3990				5.7		15.0			
m-Xylene & p-Xylene	0.4695 0.4912	0.5213 0.4691	0.5085 0.5040	0.4921	0.5025	Ave		0.4948				3.7		15.0			
o-Xylene	0.4635 0.4985	0.4921 0.4654	0.5041 0.4805	0.4887	0.4954	Ave		0.4860				3.1		15.0			
Styrene	0.6395 0.8552	0.7274 0.8038	0.7986 0.8403	0.7836	0.8261	Ave		0.7843				9.0		15.0			
Bromoform	0.0694 0.1366	0.0725 0.1415	0.0835 0.1608	0.1058	0.1150	Lin1	-0.170	0.1508			0.1000				0.9910		0.9900
Isopropylbenzene	0.9910 1.2433	1.1086 1.1886	1.2764 1.2808	1.2153	1.2415	Ave		1.1932				8.3		15.0			
1,1,2,2-Tetrachloroethane	0.5246 0.6622	0.5607 0.5966	0.6311 0.6035	0.6157	0.6099	Ave		0.6005			0.3000	7.0		15.0			
Bromobenzene	0.5697 0.6750	0.6845 0.6334	0.7037 0.6596	0.7059	0.6604	Ave		0.6615				6.7		15.0			
1,2,3-Trichloropropane	0.1780 0.2369	0.2184 0.2165	0.2426 0.2187	0.2326	0.2247	Ave		0.2210				9.0		15.0			
trans-1,4-Dichloro-2-butene	+++++ 0.2151	+++++ 0.2031	0.1671 0.2211	0.1947	0.1811	Ave		0.1970				10.4		15.0			
N-Propylbenzene	0.5804 0.7214	0.6449 0.6938	0.7225 0.7496	0.7260	0.6855	Ave		0.6905				7.9		15.0			
2-Chlorotoluene	0.5424 0.6247	0.5848 0.5908	0.6403 0.6277	0.6296	0.6348	Ave		0.6094				5.6		15.0			
1,3,5-Trimethylbenzene	1.5193 2.0715	1.7001 1.9694	1.9746 2.1099	2.0064	2.0344	Ave		1.9232				10.7		15.0			
4-Chlorotoluene	0.5833 0.6606	0.6430 0.6161	0.6668 0.6560	0.6842	0.6602	Ave		0.6463				5.0		15.0			
tert-Butylbenzene	1.5128 1.9597	1.5881 1.8925	1.9275 2.1931	1.8756	1.9068	Ave		1.8570				11.6		15.0			

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.: 240-64249-1 Analy Batch No.: 229536

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 05/10/2016 01:04 Calibration End Date: 05/10/2016 03:33 Calibration ID: 34323

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 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	1.6053 2.1463	1.7631 2.0251	2.0899 2.1583	2.1080	2.1093	Ave		2.0007				10.2		15.0			
sec-Butylbenzene	2.0016 2.5420	2.1794 2.4583	2.5974 2.6626	2.5523	2.5263	Ave		2.4400				9.4		15.0			
1,3-Dichlorobenzene	1.2415 1.2640	1.2267 1.1966	1.3111 1.2556	1.2846	1.2698	Ave		1.2562				2.8		15.0			
4-Isopropyltoluene	1.6791 2.3161	1.9543 2.2545	2.2860 2.3836	2.2310	2.2600	Ave		2.1706				10.8		15.0			
1,4-Dichlorobenzene	1.5403 1.3160	1.4261 1.2183	1.4018 1.2792	1.3707	1.3028	Ave		1.3569				7.4		15.0			
n-Butylbenzene	1.4219 1.8372	1.5468 1.7873	1.8038 1.9192	1.7807	1.8296	Ave		1.7408				9.6		15.0			
1,2-Dichlorobenzene	1.2706 1.2473	1.2377 1.1351	1.3259 1.1918	1.2378	1.2430	Ave		1.2361				4.5		15.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1109	0.0616 0.1108	0.0672 0.1206	0.0878	0.0838	Lin1	-0.196	0.1167							0.9950		0.9900
1,2,4-Trichlorobenzene	0.7453 0.6808	0.6968 0.6843	0.7095 0.7705	0.6785	0.7087	Ave		0.7093				4.6		15.0			
Hexachlorobutadiene	0.2553 0.3126	0.2899 0.3243	0.3292 0.3687	0.3372	0.3211	Ave		0.3173				10.6		15.0			
Naphthalene	1.6272 2.1675	1.7992 2.0446	1.8927 2.1826	1.9395	2.0582	Ave		1.9639				9.6		15.0			
1,2,3-Trichlorobenzene	0.7574 0.6806	0.7001 0.6585	0.7248 0.7383	0.6712	0.7091	Ave		0.7050				4.9		15.0			
Dibromofluoromethane (Surr)	0.1941 0.1972	0.1861 0.1881	0.1910 0.1959	0.1939	0.2039	Ave		0.1938				2.9		15.0			
1,2-Dichloroethane-d4 (Surr)	0.2957 0.2486	0.2585 0.2318	0.2701 0.2373	0.2692	0.2605	Ave		0.2590				7.9		15.0			
Toluene-d8 (Surr)	1.0083 0.9993	1.0241 0.9814	1.0461 1.0378	1.0727	1.0640	Ave		1.0292				3.1		15.0			
4-Bromofluorobenzene (Surr)	0.4880 0.4139	0.4955 0.3935	0.4511 0.3969	0.4206	0.4260	Ave		0.4357				8.9		15.0			

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.: 240-64249-1

SDG No.:

Lab Sample ID: CCV 240-229536/11 Calibration Date: 05/10/2016 03:54

Instrument ID: A3UX8 Calib Start Date: 04/08/2016 07:29

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/08/2016 09:21

Lab File ID: UX83584.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachloroethane	Ave	0.2475	0.1969			0.0400	-20.4	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab Sample ID: CCV 240-229536/11 Calibration Date: 05/10/2016 03:54

Instrument ID: A3UX8 Calib Start Date: 04/14/2016 01:39

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/14/2016 03:28

Lab File ID: UX83584.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetonitrile	Ave	0.0465	0.0391		0.168	0.200	-16.0	50.0
Diisopropyl ether	Ave	0.1868	0.1780		0.0191	0.0200	-4.7	50.0
2-Chloro-1,3-butadiene	Ave	0.3778	0.3335		0.0177	0.0200	-11.7	50.0
Ethyl tert-butyl ether	Ave	0.6195	0.5627		0.0182	0.0200	-9.2	50.0
Ethyl acetate	Ave	0.3532	0.2908		0.0329	0.0400	-17.7	50.0
Propionitrile	Ave	0.0503	0.0433		0.172	0.200	-13.8	50.0
Methacrylonitrile	Ave	0.2326	0.2072		0.178	0.200	-10.9	50.0
Tert-amyl methyl ether	Ave	0.4557	0.4207		0.0185	0.0200	-7.7	50.0
n-Butanol	Ave	0.0080	0.0053		0.331	0.500	-33.8	50.0
Methyl methacrylate	Ave	0.3175	0.2791		0.0352	0.0400	-12.1	50.0
2-Nitropropane	Lin1		0.0347		0.0235	0.0400	-41.2	50.0
1-Chlorohexane	Ave	0.3257	0.3071		0.0189	0.0200	-5.7	50.0
Cyclohexanone	Ave	0.0136	0.0089		0.131	0.200	-34.7	50.0
1,2,3-Trimethylbenzene	Ave	2.199	2.168		0.0197	0.0200	-1.4	50.0
1,3,5-Trichlorobenzene	Ave	0.7955	0.6976		0.0175	0.0200	-12.3	50.0
2-Methylnaphthalene	Ave	1.332	0.8870		0.0266	0.0400	-33.4	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab Sample ID: ICV 240-229536/13 Calibration Date: 05/10/2016 04:37

Instrument ID: A3UX8 Calib Start Date: 05/10/2016 01:04

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 05/10/2016 03:33

Lab File ID: UX83586.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1904	0.2152		0.0283	0.0250	13.0	50.0
Chloromethane	Ave	0.2534	0.2703	0.1000	0.0267	0.0250	6.7	50.0
Vinyl chloride	Ave	0.1673	0.1871		0.0280	0.0250	11.8	20.0
Butadiene	Ave	0.1954	0.2020		0.0259	0.0250	3.4	50.0
Bromomethane	Qua		0.1017		0.0295	0.0250	18.0	50.0
Chloroethane	Qua		0.1036		0.0284	0.0250	13.7	50.0
Dichlorofluoromethane	Ave	0.2007	0.2280		0.0284	0.0250	13.6	50.0
Trichlorofluoromethane	Ave	0.1989	0.2169		0.0273	0.0250	9.1	50.0
Ethyl ether	Ave	0.1610	0.1749		0.0272	0.0250	8.6	50.0
Acrolein	Ave	0.0387	0.0223		0.0722	0.125	-42.2	50.0
1,1-Dichloroethene	Ave	0.1272	0.1446		0.0284	0.0250	13.7	20.0
1,1,2-Trichlorotrifluoroethane	Ave	0.1045	0.1180		0.0282	0.0250	12.9	50.0
Acetone	Lin1		0.1001		0.0373	0.0500	-25.5	50.0
Iodomethane	Ave	0.2848	0.3253		0.0286	0.0250	14.2	50.0
Carbon disulfide	Ave	0.3767	0.4333		0.0288	0.0250	15.0	50.0
3-Chloro-1-propene	Ave	0.0826	0.0942		0.0285	0.0250	14.0	50.0
Methyl acetate	Ave	0.2336	0.2179		0.117	0.125	-6.7	50.0
Methylene Chloride	Lin1		0.2323		0.0257	0.0250	2.7	50.0
tert-Butyl alcohol	Ave	0.0196	0.0172		0.220	0.250	-12.1	50.0
Acrylonitrile	Ave	0.1041	0.1024		0.246	0.250	-1.7	50.0
Methyl tert-butyl ether	Ave	0.5274	0.5497		0.0261	0.0250	4.2	50.0
trans-1,2-Dichloroethene	Ave	0.1848	0.2033		0.0275	0.0250	10.0	50.0
Hexane	Ave	0.0569	0.0570		0.0250	0.0250	0.0	20.0
1,1-Dichloroethane	Ave	0.3424	0.3476	0.1000	0.0254	0.0250	1.5	50.0
Vinyl acetate	Ave	0.4446	0.4499		0.0253	0.0250	1.2	50.0
2-Butanone (MEK)	Ave	0.1888	0.1493		0.0395	0.0500	-20.9	50.0
cis-1,2-Dichloroethene	Ave	0.2139	0.2259		0.0264	0.0250	5.6	50.0
2,2-Dichloropropane	Ave	0.1095	0.1159		0.0265	0.0250	5.9	50.0
Bromochloromethane	Ave	0.1101	0.1135		0.0258	0.0250	3.1	50.0
Tetrahydrofuran	Ave	0.0997	0.0899		0.0451	0.0500	-9.8	50.0
Chloroform	Ave	0.3494	0.3421		0.0245	0.0250	-2.1	20.0
1,1,1-Trichloroethane	Ave	0.2203	0.2382		0.0270	0.0250	8.2	50.0
Cyclohexane	Ave	0.3280	0.3651		0.0278	0.0250	11.3	50.0
1,1-Dichloropropene	Ave	0.2375	0.2477		0.0261	0.0250	4.3	50.0
Carbon tetrachloride	Ave	0.1913	0.1983		0.0259	0.0250	3.6	50.0
Isobutyl alcohol	Ave	0.0102	0.0088		0.534	0.625	-14.5	50.0
1,2-Dichloroethane	Ave	0.3067	0.3111		0.0254	0.0250	1.4	50.0
Benzene	Ave	0.7488	0.7727		0.0258	0.0250	3.2	50.0
n-Heptane	Ave	0.0604	0.0573		0.0237	0.0250	-5.1	50.0
Trichloroethene	Ave	0.2130	0.2172		0.0255	0.0250	2.0	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab Sample ID: ICV 240-229536/13 Calibration Date: 05/10/2016 04:37

Instrument ID: A3UX8 Calib Start Date: 05/10/2016 01:04

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 05/10/2016 03:33

Lab File ID: UX83586.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.3070	0.3222		0.0262	0.0250	4.9	50.0
1,2-Dichloropropane	Ave	0.1916	0.1999		0.0261	0.0250	4.3	20.0
1,4-Dioxane	Ave	0.0022	0.0018		0.399	0.500	-20.1	50.0
Dibromomethane	Ave	0.1152	0.1178		0.0256	0.0250	2.3	50.0
Bromodichloromethane	Ave	0.2064	0.2167		0.0262	0.0250	5.0	50.0
2-Chloroethyl vinyl ether	Ave	0.0518	0.0484		0.0234	0.0250	-6.5	50.0
cis-1,3-Dichloropropene	Qua		0.2318		0.0241	0.0250	-3.5	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2771	0.2779		0.0502	0.0500	0.3	50.0
Toluene	Ave	1.139	1.126		0.0247	0.0250	-1.2	20.0
trans-1,3-Dichloropropene	Qua		0.2458		0.0226	0.0250	-9.6	50.0
Ethyl methacrylate	Ave	0.3328	0.3271		0.0246	0.0250	-1.7	50.0
1,1,2-Trichloroethane	Ave	0.2478	0.2485		0.0251	0.0250	0.3	50.0
1,3-Dichloropropane	Ave	0.4228	0.4061		0.0240	0.0250	-3.9	50.0
Tetrachloroethene	Ave	0.2302	0.2285		0.0248	0.0250	-0.7	50.0
2-Hexanone	Ave	0.3040	0.2605		0.0429	0.0500	-14.3	50.0
Chlorodibromomethane	Ave	0.2338	0.2218		0.0237	0.0250	-5.1	50.0
1,2-Dibromoethane	Ave	0.2421	0.2508		0.0259	0.0250	3.6	50.0
Chlorobenzene	Ave	0.8281	0.7735	0.3000	0.0234	0.0250	-6.6	50.0
1,1,1,2-Tetrachloroethane	Ave	0.2367	0.2345		0.0248	0.0250	-0.9	50.0
Ethylbenzene	Ave	0.3990	0.3904		0.0245	0.0250	-2.1	20.0
m-Xylene & p-Xylene	Ave	0.4948	0.4767		0.0241	0.0250	-3.7	50.0
o-Xylene	Ave	0.4860	0.4792		0.0246	0.0250	-1.4	50.0
Styrene	Ave	0.7843	0.7986		0.0255	0.0250	1.8	50.0
Bromoform	Lin1		0.1216	0.1000	0.0213	0.0250	-14.8	50.0
Isopropylbenzene	Ave	1.193	1.230		0.0258	0.0250	3.0	50.0
1,1,2,2-Tetrachloroethane	Ave	0.6005	0.5808	0.3000	0.0242	0.0250	-3.3	50.0
Bromobenzene	Ave	0.6615	0.6503		0.0246	0.0250	-1.7	50.0
1,2,3-Trichloropropane	Ave	0.2210	0.2318		0.0262	0.0250	4.9	50.0
trans-1,4-Dichloro-2-butene	Ave	0.1970	0.1843		0.0234	0.0250	-6.5	50.0
N-Propylbenzene	Ave	0.6905	0.6984		0.0253	0.0250	1.1	50.0
2-Chlorotoluene	Ave	0.6094	0.6022		0.0247	0.0250	-1.2	50.0
1,3,5-Trimethylbenzene	Ave	1.923	1.985		0.0258	0.0250	3.2	50.0
4-Chlorotoluene	Ave	0.6463	0.6234		0.0241	0.0250	-3.5	50.0
tert-Butylbenzene	Ave	1.857	1.871		0.0252	0.0250	0.7	50.0
1,2,4-Trimethylbenzene	Ave	2.001	2.024		0.0253	0.0250	1.2	50.0
sec-Butylbenzene	Ave	2.440	2.463		0.0252	0.0250	0.9	50.0
1,3-Dichlorobenzene	Ave	1.256	1.188		0.0236	0.0250	-5.4	50.0
4-Isopropyltoluene	Ave	2.171	2.191		0.0252	0.0250	1.0	50.0
1,4-Dichlorobenzene	Ave	1.357	1.243		0.0229	0.0250	-8.4	50.0
n-Butylbenzene	Ave	1.741	1.648		0.0237	0.0250	-5.4	50.0
1,2-Dichlorobenzene	Ave	1.236	1.178		0.0238	0.0250	-4.7	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab Sample ID: ICV 240-229536/13 Calibration Date: 05/10/2016 04:37

Instrument ID: A3UX8 Calib Start Date: 05/10/2016 01:04

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 05/10/2016 03:33

Lab File ID: UX83586.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Lin1		0.0816		0.0192	0.0250	-23.3	50.0
1,2,4-Trichlorobenzene	Ave	0.7093	0.6363		0.0224	0.0250	-10.3	50.0
Hexachlorobutadiene	Ave	0.3173	0.3013		0.0237	0.0250	-5.0	50.0
Naphthalene	Ave	1.964	1.834		0.0233	0.0250	-6.6	50.0
1,2,3-Trichlorobenzene	Ave	0.7050	0.6199		0.0220	0.0250	-12.1	50.0
Dibromofluoromethane (Surr)	Ave	0.1938	0.1907		0.0492	0.0500	-1.6	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2590	0.2428		0.0469	0.0500	-6.2	50.0
Toluene-d8 (Surr)	Ave	1.029	0.9757		0.0474	0.0500	-5.2	50.0
4-Bromofluorobenzene (Surr)	Ave	0.4357	0.3779		0.0434	0.0500	-13.3	50.0

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab File ID: BFB8067.D BFB Injection Date: 05/11/2016

Instrument ID: A3UX8 BFB Injection Time: 00:28

Analysis Batch No.: 229723

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.9	
75	30.0 - 60.0 % of mass 95	44.6	
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	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	97.9	
175	5.0 - 9.0 % of mass 174	7.2	(7.4) 1
176	95.0 - 101.0 % of mass 174	93.3	(95.3) 1
177	5.0 - 9.0 % of mass 176	6.0	(6.4) 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 240-229723/4	UX83607.D	05/11/2016	00:59
	CCV 240-229723/5	UX83608.D	05/11/2016	01:20
DR-TS10-042816	240-64249-10	UX83611.D	05/11/2016	02:25

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab Sample ID: CCVIS 240-229723/4 Calibration Date: 05/11/2016 00:59

Instrument ID: A3UX8 Calib Start Date: 05/10/2016 01:04

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 05/10/2016 03:33

Lab File ID: UX83607.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1904	0.2030		0.0213	0.0200	6.6	50.0
Chloromethane	Ave	0.2534	0.2488	0.1000	0.0196	0.0200	-1.8	50.0
Vinyl chloride	Ave	0.1673	0.1703		0.0204	0.0200	1.8	20.0
Butadiene	Ave	0.1954	0.1909		0.0195	0.0200	-2.3	50.0
Bromomethane	Qua		0.0855		0.0189	0.0200	-5.4	50.0
Chloroethane	Qua		0.0956		0.0203	0.0200	1.6	50.0
Dichlorofluoromethane	Ave	0.2007	0.2075		0.0207	0.0200	3.4	50.0
Trichlorofluoromethane	Ave	0.1989	0.2108		0.0212	0.0200	6.0	50.0
Ethyl ether	Ave	0.1610	0.1526		0.0189	0.0200	-5.3	50.0
Acrolein	Ave	0.0387	0.0344		0.0890	0.100	-11.0	50.0
1,1-Dichloroethene	Ave	0.1272	0.1309		0.0206	0.0200	2.9	20.0
1,1,2-Trichlorotrifluoroethane	Ave	0.1045	0.1102		0.0211	0.0200	5.4	50.0
Acetone	Lin1		0.1285		0.0384	0.0400	-4.0	50.0
Iodomethane	Ave	0.2848	0.2715		0.0191	0.0200	-4.7	50.0
Carbon disulfide	Ave	0.3767	0.3940		0.0209	0.0200	4.6	50.0
3-Chloro-1-propene	Ave	0.0826	0.0801		0.0194	0.0200	-3.0	50.0
Methyl acetate	Ave	0.2336	0.2030		0.0869	0.100	-13.1	50.0
Methylene Chloride	Lin1		0.2449		0.0210	0.0200	4.8	50.0
tert-Butyl alcohol	Ave	0.0196	0.0136		0.139	0.200	-30.6	50.0
Acrylonitrile	Ave	0.1041	0.0940		0.181	0.200	-9.7	50.0
Methyl tert-butyl ether	Ave	0.5274	0.4688		0.0178	0.0200	-11.1	50.0
trans-1,2-Dichloroethene	Ave	0.1848	0.1831		0.0198	0.0200	-0.9	50.0
Hexane	Ave	0.0569	0.0588		0.0207	0.0200	3.3	20.0
1,1-Dichloroethane	Ave	0.3424	0.3295	0.1000	0.0192	0.0200	-3.8	50.0
Vinyl acetate	Ave	0.4446	0.3726		0.0168	0.0200	-16.2	50.0
2-Butanone (MEK)	Ave	0.1888	0.1655		0.0351	0.0400	-12.4	50.0
cis-1,2-Dichloroethene	Ave	0.2139	0.2061		0.0193	0.0200	-3.6	50.0
2,2-Dichloropropane	Ave	0.1095	0.1021		0.0186	0.0200	-6.8	50.0
Bromochloromethane	Ave	0.1101	0.1041		0.0189	0.0200	-5.5	50.0
Tetrahydrofuran	Ave	0.0997	0.0875		0.0351	0.0400	-12.2	50.0
Chloroform	Ave	0.3494	0.3133		0.0179	0.0200	-10.3	20.0
1,1,1-Trichloroethane	Ave	0.2203	0.2208		0.0201	0.0200	0.3	50.0
Cyclohexane	Ave	0.3280	0.3460		0.0211	0.0200	5.5	50.0
1,1-Dichloropropene	Ave	0.2375	0.2332		0.0196	0.0200	-1.8	50.0
Carbon tetrachloride	Ave	0.1913	0.1950		0.0204	0.0200	1.9	50.0
Isobutyl alcohol	Ave	0.0102	0.0068		0.334	0.500	-33.1	50.0
1,2-Dichloroethane	Ave	0.3067	0.2785		0.0182	0.0200	-9.2	50.0
Benzene	Ave	0.7488	0.7213		0.0193	0.0200	-3.7	50.0
n-Heptane	Ave	0.0604	0.0580		0.0192	0.0200	-4.0	50.0
Trichloroethene	Ave	0.2130	0.2053		0.0193	0.0200	-3.6	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab Sample ID: CCVIS 240-229723/4 Calibration Date: 05/11/2016 00:59

Instrument ID: A3UX8 Calib Start Date: 05/10/2016 01:04

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 05/10/2016 03:33

Lab File ID: UX83607.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloropropane	Ave	0.1916	0.1735		0.0181	0.0200	-9.5	20.0
Methylcyclohexane	Ave	0.3070	0.3122		0.0203	0.0200	1.7	50.0
1,4-Dioxane	Ave	0.0022	0.0019		0.344	0.400	-13.9	50.0
Dibromomethane	Ave	0.1152	0.1071		0.0186	0.0200	-7.0	50.0
Bromodichloromethane	Ave	0.2064	0.2023		0.0196	0.0200	-2.0	50.0
2-Chloroethyl vinyl ether	Ave	0.0518	0.0407		0.0315	0.0400	-21.3	50.0
cis-1,3-Dichloropropene	Qua		0.2120		0.0179	0.0200	-10.5	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2771	0.2499		0.0361	0.0400	-9.8	50.0
Toluene	Ave	1.139	1.051		0.0185	0.0200	-7.7	20.0
trans-1,3-Dichloropropene	Qua		0.2141		0.0162	0.0200	-19.0	50.0
Ethyl methacrylate	Ave	0.3328	0.2616		0.0157	0.0200	-21.4	50.0
1,1,2-Trichloroethane	Ave	0.2478	0.2240		0.0181	0.0200	-9.6	50.0
1,3-Dichloropropane	Ave	0.4228	0.3741		0.0177	0.0200	-11.5	50.0
Tetrachloroethene	Ave	0.2302	0.2169		0.0188	0.0200	-5.8	50.0
2-Hexanone	Ave	0.3040	0.2596		0.0342	0.0400	-14.6	50.0
Chlorodibromomethane	Ave	0.2338	0.2068		0.0177	0.0200	-11.5	50.0
1,2-Dibromoethane	Ave	0.2421	0.2267		0.0187	0.0200	-6.4	50.0
Chlorobenzene	Ave	0.8281	0.7318	0.3000	0.0177	0.0200	-11.6	50.0
1,1,1,2-Tetrachloroethane	Ave	0.2367	0.2261		0.0191	0.0200	-4.5	50.0
Ethylbenzene	Ave	0.3990	0.3739		0.0187	0.0200	-6.3	20.0
m-Xylene & p-Xylene	Ave	0.4948	0.4722		0.0191	0.0200	-4.6	50.0
o-Xylene	Ave	0.4860	0.4656		0.0192	0.0200	-4.2	50.0
Styrene	Ave	0.7843	0.7542		0.0192	0.0200	-3.8	50.0
Bromoform	Lin1		0.1092	0.1000	0.0156	0.0200	-21.9	50.0
Isopropylbenzene	Ave	1.193	1.187		0.0199	0.0200	-0.5	50.0
1,1,2,2-Tetrachloroethane	Ave	0.6005	0.5348	0.3000	0.0178	0.0200	-10.9	50.0
Bromobenzene	Ave	0.6615	0.5896		0.0178	0.0200	-10.9	50.0
1,2,3-Trichloropropane	Ave	0.2210	0.1970		0.0178	0.0200	-10.9	50.0
trans-1,4-Dichloro-2-butene	Ave	0.1970	0.1672		0.0170	0.0200	-15.1	50.0
N-Propylbenzene	Ave	0.6905	0.6618		0.0192	0.0200	-4.2	50.0
2-Chlorotoluene	Ave	0.6094	0.5626		0.0185	0.0200	-7.7	50.0
1,3,5-Trimethylbenzene	Ave	1.923	1.807		0.0188	0.0200	-6.1	50.0
4-Chlorotoluene	Ave	0.6463	0.6044		0.0187	0.0200	-6.5	50.0
tert-Butylbenzene	Ave	1.857	1.948		0.0210	0.0200	4.9	50.0
1,2,4-Trimethylbenzene	Ave	2.001	1.938		0.0194	0.0200	-3.1	50.0
sec-Butylbenzene	Ave	2.440	2.330		0.0191	0.0200	-4.5	50.0
1,3-Dichlorobenzene	Ave	1.256	1.151		0.0183	0.0200	-8.4	50.0
4-Isopropyltoluene	Ave	2.171	2.173		0.0200	0.0200	0.1	50.0
1,4-Dichlorobenzene	Ave	1.357	1.160		0.0171	0.0200	-14.5	50.0
n-Butylbenzene	Ave	1.741	1.691		0.0194	0.0200	-2.9	50.0
1,2-Dichlorobenzene	Ave	1.236	1.089		0.0176	0.0200	-11.9	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab Sample ID: CCVIS 240-229723/4 Calibration Date: 05/11/2016 00:59

Instrument ID: A3UX8 Calib Start Date: 05/10/2016 01:04

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 05/10/2016 03:33

Lab File ID: UX83607.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Lin1		0.0717		0.0140	0.0200	-30.1	50.0
1,2,4-Trichlorobenzene	Ave	0.7093	0.6018		0.0170	0.0200	-15.2	50.0
Hexachlorobutadiene	Ave	0.3173	0.3174		0.0200	0.0200	0.0	50.0
Naphthalene	Ave	1.964	1.564		0.0159	0.0200	-20.4	50.0
1,2,3-Trichlorobenzene	Ave	0.7050	0.5660		0.0161	0.0200	-19.7	50.0
Dibromofluoromethane (Surr)	Ave	0.1938	0.2084		0.0538	0.0500	7.5	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2590	0.2448		0.0473	0.0500	-5.5	50.0
Toluene-d8 (Surr)	Ave	1.029	1.134		0.0551	0.0500	10.2	50.0
4-Bromofluorobenzene (Surr)	Ave	0.4357	0.4153		0.0477	0.0500	-4.7	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab Sample ID: CCV 240-229723/5 Calibration Date: 05/11/2016 01:20

Instrument ID: A3UX8 Calib Start Date: 04/08/2016 07:29

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/08/2016 09:21

Lab File ID: UX83608.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachloroethane	Ave	0.2475	0.2014			0.0400	-18.7	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab Sample ID: CCV 240-229723/5 Calibration Date: 05/11/2016 01:20

Instrument ID: A3UX8 Calib Start Date: 04/14/2016 01:39

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/14/2016 03:28

Lab File ID: UX83608.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetonitrile	Ave	0.0465	0.0318		0.137	0.200	-31.6	50.0
Diisopropyl ether	Ave	0.1868	0.1557		0.0167	0.0200	-16.6	50.0
2-Chloro-1,3-butadiene	Ave	0.3778	0.3178		0.0168	0.0200	-15.9	50.0
Ethyl tert-butyl ether	Ave	0.6195	0.4521		0.0146	0.0200	-27.0	50.0
Ethyl acetate	Ave	0.3532	0.2187		0.0248	0.0400	-38.1	50.0
Propionitrile	Ave	0.0503	0.0339		0.135	0.200	-32.7	50.0
Methacrylonitrile	Ave	0.2326	0.1667		0.143	0.200	-28.3	50.0
Tert-amyl methyl ether	Ave	0.4557	0.3325		0.0146	0.0200	-27.0	50.0
n-Butanol	Ave	0.0080	0.0035		0.215	0.500	-57.0*	50.0
Methyl methacrylate	Ave	0.3175	0.2053		0.0259	0.0400	-35.3	50.0
2-Nitropropane	Lin1		0.0310		0.0218	0.0400	-45.5	50.0
1-Chlorohexane	Ave	0.3257	0.2786		0.0171	0.0200	-14.5	50.0
Cyclohexanone	Ave	0.0136	0.0078		0.115	0.200	-42.4	50.0
1,2,3-Trimethylbenzene	Ave	2.199	1.909		0.0174	0.0200	-13.2	50.0
1,3,5-Trichlorobenzene	Ave	0.7955	0.6869		0.0173	0.0200	-13.7	50.0
2-Methylnaphthalene	Ave	1.332	0.8141		0.0245	0.0400	-38.9	50.0

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab File ID: BFB8070.D BFB Injection Date: 05/12/2016

Instrument ID: A3UX8 BFB Injection Time: 22:48

Analysis Batch No.: 230141

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.7	
75	30.0 - 60.0 % of mass 95	46.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	78.7	
175	5.0 - 9.0 % of mass 174	5.7	(7.2) 1
176	95.0 - 101.0 % of mass 174	75.7	(96.2) 1
177	5.0 - 9.0 % of mass 176	4.9	(6.5) 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 240-230141/3	UX83652.D	05/12/2016	23:30
	STD8260 240-230141/4	UX83653.D	05/12/2016	23:51
	STD8260 240-230141/5	UX83654.D	05/13/2016	00:12
	ICIS 240-230141/6	UX83655.D	05/13/2016	00:33
	STD8260 240-230141/7	UX83656.D	05/13/2016	00:55
	STD8260 240-230141/8	UX83657.D	05/13/2016	01:16
	STD8260 240-230141/9	UX83658.D	05/13/2016	01:37
	STD8260 240-230141/10	UX83659.D	05/13/2016	01:58
	CCV 240-230141/11	UX83660.D	05/13/2016	02:19
	ICV 240-230141/12	UX83661.D	05/13/2016	02:41
	MB 240-229695/1-A	UX83671.D	05/13/2016	06:19
	LCS 240-229695/2-A	UX83672.D	05/13/2016	06:40
DR-TG1S-050516	240-64493-1	UX83674.D	05/13/2016	07:22
DR-TG1N-050516	240-64493-2	UX83675.D	05/13/2016	07:44
DR-TG2S-050516	240-64493-3	UX83676.D	05/13/2016	08:05
DR-TG2N-050516	240-64493-4	UX83677.D	05/13/2016	08:26
DR-TG3S-050516	240-64493-5	UX83678.D	05/13/2016	08:47
DR-TG3N-050516	240-64493-6	UX83679.D	05/13/2016	09:08
DR-TL8N-050516	240-64493-7	UX83680.D	05/13/2016	09:30
DR-TL8S-050516	240-64493-8	UX83681.D	05/13/2016	09:51
DR-TL7S-050516	240-64493-9	UX83682.D	05/13/2016	10:12
DR-TL7N-050516	240-64493-10	UX83683.D	05/13/2016	10:33

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-64249-1 Analy Batch No.: 230141

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 05/12/2016 23:30 Calibration End Date: 05/13/2016 01:58 Calibration ID: 34380

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-230141/10	UX83659.D
Level 2	STD8260 240-230141/9	UX83658.D
Level 3	STD8260 240-230141/8	UX83657.D
Level 4	STD8260 240-230141/7	UX83656.D
Level 5	ICIS 240-230141/6	UX83655.D
Level 6	STD8260 240-230141/5	UX83654.D
Level 7	STD8260 240-230141/4	UX83653.D
Level 8	STD8260 240-230141/3	UX83652.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 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.1542 0.2248	0.2145 0.2231	0.1695 0.2075	0.2052	0.2217	Ave		0.2026				13.1		15.0			
Chloromethane	0.2727 0.2707	0.2640 0.2759	0.2527 0.2459	0.2573	0.2840	Ave		0.2654			0.1000	4.8		15.0			
Vinyl chloride	0.1716 0.1970	0.1881 0.1951	0.1724 0.1826	0.1815	0.1988	Ave		0.1859				5.7		15.0			
Butadiene	0.1814 0.2201	0.1995 0.2171	0.1966 0.2027	0.1967	0.2290	Ave		0.2054				7.6		15.0			
Bromomethane	0.0943 0.0706	0.1087 0.0514	0.0980 0.0426	0.0872	0.0919	Qua	0.2309	0.0648	-0.000119						0.9920		0.9900
Chloroethane	0.1053 0.0943	0.1012 0.0786	0.1004 0.0598	0.1011	0.1120	Qua	0.0730	0.1001	-0.000204						0.9990		0.9900
Dichlorofluoromethane	0.2030 0.2262	0.2415 0.2160	0.2231 0.1845	0.2278	0.2423	Ave		0.2206				8.8		15.0			
Trichlorofluoromethane	0.1801 0.2223	0.2185 0.2184	0.1971 0.1979	0.2086	0.2262	Ave		0.2086				7.6		15.0			
Ethyl ether	0.1772 0.1672	0.1807 0.1697	0.1683 0.1319	0.1837	0.1742	Ave		0.1691				9.6		15.0			
Acrolein	0.0390 0.0344	0.0386 0.0355	0.0368 0.0252	0.0354	0.0363	Ave		0.0351				12.3		15.0			
1,1-Dichloroethene	0.1177 0.1784	0.1335 0.1820	0.1470 0.1584	0.1668	0.1438	Ave		0.1535				14.5		15.0			
1,1,2-Trichlorotrifluoroethane	0.0973 0.1446	0.1123 0.1460	0.1228 0.1288	0.1323	0.1189	Ave		0.1254				13.0		15.0			
Acetone	0.4182 0.1541	0.2637 0.1681	0.1883 0.1172	0.1726	0.1528	Qua	-0.407	0.2009	-0.000204						0.9940		0.9900
Iodomethane	0.2575 0.3122	0.2982 0.3228	0.2845 0.2756	0.2902	0.3141	Ave		0.2944				7.4		15.0			

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.: 240-64249-1 Analy Batch No.: 230141

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 05/12/2016 23:30 Calibration End Date: 05/13/2016 01:58 Calibration ID: 34380

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 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	+++++ 0.4389	0.3232 0.4717	0.3319 0.4218	0.3678	0.3971	Ave		0.3932				14.1		15.0			
3-Chloro-1-propene	+++++ 0.0982	+++++ 0.1081	0.0733 0.0885	0.0883	0.0954	Ave		0.0920				12.7		15.0			
Methyl acetate	0.2557 0.2395	0.2515 0.2744	0.2231 0.2012	0.2400	0.2286	Ave		0.2393				9.3		15.0			
Methylene Chloride	0.9001 0.2281	0.5285 0.2303	0.3275 0.1889	0.2805	0.2566	Lin1	0.7056	0.2013							0.9920		0.9900
tert-Butyl alcohol	0.0166 0.0206	0.0199 0.0243	0.0158 +++++	0.0195	0.0182	Ave		0.0193				14.6		15.0			
Acrylonitrile	0.1136 0.1089	0.1143 0.1218	0.0987 0.0891	0.1069	0.1043	Ave		0.1072				9.4		15.0			
trans-1,2-Dichloroethene	0.1609 0.2108	0.1871 0.2163	0.1841 0.1843	0.2003	0.2077	Ave		0.1939				9.4		15.0			
Methyl tert-butyl ether	0.4993 0.5230	0.4790 0.5863	0.4628 0.4568	0.4968	0.5308	Ave		0.5044				8.4		15.0			
Hexane	0.0661 0.0546	0.0666 0.0587	0.0511 0.0494	0.0545	0.0540	Ave		0.0569				11.4		15.0			
1,1-Dichloroethane	0.3245 0.3670	0.3539 0.3893	0.3378 0.3330	0.3556	0.3669	Ave		0.3535			0.1000	6.0		15.0			
Vinyl acetate	0.3770 0.4514	0.3642 0.5785	0.3433 +++++	0.4162	0.4224	Qua	0.2128	0.3356	0.0023992						1.0000		0.9900
2-Butanone (MEK)	0.1988 0.1896	0.1824 0.2190	0.1643 0.1537	0.1887	0.1728	Ave		0.1837				11.1		15.0			
cis-1,2-Dichloroethene	0.2407 0.2360	0.2063 0.2478	0.2201 0.2076	0.2288	0.2415	Ave		0.2286				6.9		15.0			
2,2-Dichloropropane	+++++ 0.1154	0.0850 0.1234	0.0845 0.1020	0.0996	0.1111	Ave		0.1030				14.3		15.0			
Bromochloromethane	0.1003 0.1227	0.1178 0.1317	0.1087 0.1065	0.1200	0.1262	Ave		0.1167				9.2		15.0			
Tetrahydrofuran	0.1102 0.1029	0.1004 0.1188	0.0931 0.0846	0.1007	0.0965	Ave		0.1009				10.3		15.0			
Chloroform	0.4129 0.3608	0.3942 0.3811	0.3395 0.3180	0.3502	0.3634	Ave		0.3650				8.4		15.0			
1,1,1-Trichloroethane	+++++ 0.2518	0.1777 0.2704	0.1922 0.2345	0.2190	0.2384	Ave		0.2263				14.4		15.0			
Cyclohexane	0.2702 0.3844	0.3022 0.3944	0.3188 0.3430	0.3457	0.3695	Ave		0.3410				12.4		15.0			
1,1-Dichloropropene	0.1862 0.2637	0.2088 0.2800	0.2234 0.2424	0.2524	0.2655	Ave		0.2403				13.3		15.0			

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.: 240-64249-1 Analy Batch No.: 230141

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 05/12/2016 23:30 Calibration End Date: 05/13/2016 01:58 Calibration ID: 34380

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 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon tetrachloride	+++++ 0.2296	+++++ 0.2481	0.1644 0.2241	0.1889	0.2089	Ave		0.2107				14.3		15.0			
Isobutyl alcohol	+++++ 0.0107	0.0103 0.0129	0.0086 0.0085	0.0104	0.0100	Ave		0.0102				14.3		15.0			
1,2-Dichloroethane	0.3182 0.3095	0.3073 0.3421	0.2971 0.2775	0.3254	0.3204	Ave		0.3122				6.2		15.0			
Benzene	0.7670 0.7957	0.7952 0.8477	0.7578 0.7172	0.8006	0.8045	Ave		0.7857				4.9		15.0			
n-Heptane	+++++ 0.0648	+++++ 0.0703	0.0488 0.0573	0.0597	0.0616	Ave		0.0604				12.0		15.0			
Trichloroethene	0.1958 0.2335	0.2085 0.2467	0.2101 0.2181	0.2209	0.2338	Ave		0.2209				7.5		15.0			
Methylcyclohexane	0.2605 0.3532	0.2661 0.3667	0.2872 0.3181	0.3239	0.3442	Ave		0.3150				12.7		15.0			
1,2-Dichloropropane	0.2037 0.1991	0.1783 0.2247	0.1879 0.1846	0.2056	0.2042	Ave		0.1985				7.4		15.0			
1,4-Dioxane	0.0031 0.0027	0.0021 0.0031	0.0026 0.0022	0.0028	0.0026	Ave		0.0026				13.9		15.0			
Dibromomethane	0.0963 0.1244	0.1277 0.1374	0.1072 0.1093	0.1217	0.1232	Ave		0.1184				11.1		15.0			
Bromodichloromethane	0.1823 0.2399	0.1719 0.2789	0.1741 +++++	0.2054	0.2238	Qua	-0.065	0.2055	0.0007400						1.0000		0.9900
2-Chloroethyl vinyl ether	0.0276 0.0527	0.0369 0.0661	0.0354 0.0514	0.0441	0.0440	Qua	-0.517	0.0741	-0.000052						0.9930		0.9900
cis-1,3-Dichloropropene	0.1505 0.2598	0.1512 0.3203	0.1785 +++++	0.2220	0.2396	Qua	-0.050	0.2073	0.0011316						1.0000		0.9900
4-Methyl-2-pentanone (MIBK)	0.2323 0.3046	0.2555 0.3535	0.2383 0.2534	0.2875	0.2733	Ave		0.2748				14.6		15.0			
Toluene	1.1211 1.2012	1.1040 1.2903	1.0755 1.0880	1.1880	1.2125	Ave		1.1601				6.5		15.0			
trans-1,3-Dichloropropene	0.1445 0.3015	0.1553 0.3809	0.1685 +++++	0.2292	0.2491	Qua	-0.172	0.2268	0.0015591						1.0000		0.9900
Ethyl methacrylate	0.2096 0.3532	0.2225 0.4297	0.2589 +++++	0.3103	0.3136	Qua	-0.053	0.2823	0.0014777						1.0000		0.9900
1,1,2-Trichloroethane	0.2413 0.2568	0.2415 0.2921	0.2420 0.2293	0.2490	0.2575	Ave		0.2512				7.5		15.0			
1,3-Dichloropropane	0.4348 0.4313	0.4050 0.4906	0.3907 0.3811	0.4169	0.4311	Ave		0.4227				8.0		15.0			
Tetrachloroethene	0.2287 0.2556	0.2263 0.2686	0.2081 0.2309	0.2365	0.2516	Ave		0.2383				8.1		15.0			

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.: 240-64249-1 Analy Batch No.: 230141

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 05/12/2016 23:30 Calibration End Date: 05/13/2016 01:58 Calibration ID: 34380

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 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	+++++ 0.3307	0.2624 0.3784	0.2558 0.2652	0.3090	0.2880	Ave		0.2985				14.9		15.0			
Chlorodibromomethane	0.1762 0.2689	0.1632 0.3186	0.1707 +++++	0.2145	0.2382	Qua	-0.149	0.2237	0.0009645						1.0000		0.9900
1,2-Dibromoethane	+++++ 0.2702	0.2161 0.3087	0.2158 0.2386	0.2478	0.2612	Ave		0.2512				13.0		15.0			
Chlorobenzene	0.7940 0.8365	0.8405 0.9014	0.8193 0.7454	0.8309	0.8433	Ave		0.8264			0.3000	5.4		15.0			
1,1,1,2-Tetrachloroethane	+++++ 0.2876	0.2079 0.3091	0.2115 0.2692	0.2493	0.2647	Ave		0.2570				14.6		15.0			
Ethylbenzene	0.3681 0.4412	0.3827 0.4694	0.3962 0.3902	0.4267	0.4421	Ave		0.4146				8.5		15.0			
m-Xylene & p-Xylene	0.4739 0.5380	0.4747 0.5749	0.4575 0.4783	0.5221	0.5298	Ave		0.5061				8.1		15.0			
o-Xylene	0.4331 0.5409	0.5022 0.5592	0.4596 0.4626	0.5169	0.5407	Ave		0.5019				9.1		15.0			
Styrene	0.6932 0.9065	0.7189 0.9758	0.7154 0.8001	0.8327	0.8752	Ave		0.8147				12.5		15.0			
Bromoform	0.0781 0.1477	0.0850 0.1846	0.0950 +++++	0.1130	0.1201	Qua	-0.069	0.1115	0.0007388		0.1000				1.0000		0.9900
Isopropylbenzene	0.9928 1.3888	1.1166 1.4333	1.1626 1.2259	1.2635	1.3482	Ave		1.2415				12.0		15.0			
1,1,2,2-Tetrachloroethane	0.6162 0.6447	0.5764 0.7212	0.5243 0.5252	0.6310	0.5984	Ave		0.6047			0.3000	10.8		15.0			
Bromobenzene	0.6615 0.6893	0.6550 0.7573	0.6143 0.6192	0.6934	0.6895	Ave		0.6724				6.9		15.0			
1,2,3-Trichloropropane	0.2011 0.2327	0.2032 0.2620	0.2047 0.1926	0.2490	0.2231	Ave		0.2211				11.3		15.0			
trans-1,4-Dichloro-2-butene	0.1560 0.2066	0.1657 0.2554	0.1598 +++++	0.1879	0.1802	Qua	0.0387	0.1587	0.0009617						1.0000		0.9900
N-Propylbenzene	0.5688 0.7750	0.6171 0.8391	0.6181 0.7039	0.7416	0.7637	Ave		0.7034				13.3		15.0			
2-Chlorotoluene	0.5517 0.6598	0.5858 0.7082	0.5713 0.5938	0.6545	0.6436	Ave		0.6211				8.6		15.0			
1,3,5-Trimethylbenzene	1.5177 2.2607	1.7362 2.3584	1.8083 2.0053	2.0978	2.1583	Ave		1.9929				14.3		15.0			
4-Chlorotoluene	0.5392 0.7016	0.6268 0.7439	0.6232 0.6239	0.7084	0.6927	Ave		0.6575				10.0		15.0			
tert-Butylbenzene	1.6296 2.1236	1.7399 2.4473	1.8105 1.9162	1.9668	2.0665	Ave		1.9625				13.0		15.0			

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.: 240-64249-1 Analy Batch No.: 230141

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 05/12/2016 23:30 Calibration End Date: 05/13/2016 01:58 Calibration ID: 34380

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 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	1.5503 2.2999	1.8262 2.4345	1.8401 2.0527	2.1601	2.2500	Ave		2.0517				14.3		15.0			
sec-Butylbenzene	1.8857 2.8343	2.2286 2.9594	2.3518 2.5534	2.6246	2.7183	Ave		2.5195				13.9		15.0			
1,3-Dichlorobenzene	1.2026 1.3332	1.3746 1.4202	1.2507 1.1896	1.3179	1.3219	Ave		1.3013				6.2		15.0			
4-Isopropyltoluene	+++++ 2.5548	1.9422 2.7049	2.0597 2.3541	2.3820	2.4613	Ave		2.3513				11.4		15.0			
1,4-Dichlorobenzene	1.5810 1.3623	1.3753 1.4639	1.3563 1.2116	1.3832	1.3796	Ave		1.3891				7.5		15.0			
n-Butylbenzene	1.4108 2.0473	1.5932 2.1796	1.6282 1.8660	1.8864	1.9646	Ave		1.8220				14.1		15.0			
1,2-Dichlorobenzene	1.2661 1.3013	1.2714 1.3713	1.2163 1.1484	1.2998	1.3038	Ave		1.2723				5.2		15.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1127	0.0611 0.1445	0.0613 +++++	0.0887	0.0898	Qua	-0.065	0.0824	0.0006271						1.0000		0.9900
1,2,4-Trichlorobenzene	0.7723 0.8265	0.8058 0.9103	0.6969 0.7839	0.7800	0.8088	Ave		0.7981				7.5		15.0			
Hexachlorobutadiene	0.2783 0.4020	0.3550 0.4340	0.3528 0.3856	0.3924	0.3941	Ave		0.3743				12.5		15.0			
Naphthalene	2.0605 2.3481	2.0295 2.6457	1.7698 2.0663	2.1784	2.1838	Ave		2.1603				11.9		15.0			
1,2,3-Trichlorobenzene	0.7582 0.7975	0.7800 0.8937	0.7288 0.7490	0.7893	0.8043	Ave		0.7876				6.4		15.0			
Dibromofluoromethane (Surr)	+++++ 0.2134	0.2340 0.2220	0.1916 0.1879	0.2106	0.2194	Ave		0.2113				7.8		15.0			
1,2-Dichloroethane-d4 (Surr)	+++++ 0.2617	0.3498 0.2738	0.2749 0.2279	0.2762	0.2639	Ave		0.2754				13.4		15.0			
Toluene-d8 (Surr)	+++++ 1.1099	1.1525 1.1511	1.0017 0.9848	1.0754	1.1221	Ave		1.0854				6.3		15.0			
4-Bromofluorobenzene (Surr)	+++++ 0.4406	0.5710 0.4486	0.4397 0.3763	0.4542	0.4454	Ave		0.4537				12.8		15.0			

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.: 240-64249-1

SDG No.:

Lab Sample ID: CCV 240-230141/11 Calibration Date: 05/13/2016 02:19

Instrument ID: A3UX8 Calib Start Date: 04/08/2016 07:29

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/08/2016 09:21

Lab File ID: UX83660.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachloroethane	Ave	0.2475	0.2096			0.0400	-15.3	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab Sample ID: CCV 240-230141/11 Calibration Date: 05/13/2016 02:19

Instrument ID: A3UX8 Calib Start Date: 04/14/2016 01:39

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/14/2016 03:28

Lab File ID: UX83660.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetonitrile	Ave	0.0465	0.0393		0.169	0.200	-15.5	50.0
Diisopropyl ether	Ave	0.1868	0.1830		0.0196	0.0200	-2.0	50.0
2-Chloro-1,3-butadiene	Ave	0.3778	0.3520		0.0186	0.0200	-6.8	50.0
Ethyl tert-butyl ether	Ave	0.6195	0.4905		0.0158	0.0200	-20.8	50.0
Ethyl acetate	Ave	0.3532	0.2608		0.0295	0.0400	-26.1	50.0
Propionitrile	Ave	0.0503	0.0434		0.173	0.200	-13.6	50.0
Methacrylonitrile	Ave	0.2326	0.1993		0.171	0.200	-14.3	50.0
Tert-amyl methyl ether	Ave	0.4557	0.3768		0.0165	0.0200	-17.3	50.0
n-Butanol	Ave	0.0080	0.0050		0.309	0.500	-38.2	50.0
Methyl methacrylate	Ave	0.3175	0.2423		0.0305	0.0400	-23.7	50.0
2-Nitropropane	Lin1		0.0341		0.0232	0.0400	-41.9	50.0
1-Chlorohexane	Ave	0.3257	0.2868		0.0176	0.0200	-12.0	50.0
Cyclohexanone	Ave	0.0136	0.0094		0.138	0.200	-31.0	50.0
1,2,3-Trimethylbenzene	Ave	2.199	2.180		0.0198	0.0200	-0.9	50.0
1,3,5-Trichlorobenzene	Ave	0.7955	0.7940		0.0200	0.0200	-0.2	50.0
2-Methylnaphthalene	Ave	1.332	1.082		0.0325	0.0400	-18.8	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab Sample ID: ICV 240-230141/12 Calibration Date: 05/13/2016 02:41

Instrument ID: A3UX8 Calib Start Date: 05/12/2016 23:30

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 05/13/2016 01:58

Lab File ID: UX83661.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2026	0.1863		0.0230	0.0250	-8.0	50.0
Chloromethane	Ave	0.2654	0.2408	0.1000	0.0227	0.0250	-9.3	50.0
Vinyl chloride	Ave	0.1859	0.1778		0.0239	0.0250	-4.4	20.0
Butadiene	Ave	0.2054	0.1903		0.0232	0.0250	-7.4	50.0
Bromomethane	Qua		0.0736		0.0261	0.0250	4.2	50.0
Chloroethane	Qua		0.0902		0.0229	0.0250	-8.6	50.0
Dichlorofluoromethane	Ave	0.2206	0.2118		0.0240	0.0250	-4.0	50.0
Trichlorofluoromethane	Ave	0.2086	0.2061		0.0247	0.0250	-1.2	50.0
Ethyl ether	Ave	0.1691	0.1608		0.0238	0.0250	-4.9	50.0
Acrolein	Ave	0.0351	0.0206		0.0733	0.125	-41.4	50.0
1,1-Dichloroethene	Ave	0.1535	0.1542		0.0251	0.0250	0.5	20.0
1,1,2-Trichlorotrifluoroethane	Ave	0.1254	0.1310		0.0261	0.0250	4.5	50.0
Acetone	Qua		0.0928		0.0258	0.0500	-48.4	50.0
Iodomethane	Ave	0.2944	0.3123		0.0265	0.0250	6.1	50.0
Carbon disulfide	Ave	0.3932	0.4464		0.0284	0.0250	13.5	50.0
3-Chloro-1-propene	Ave	0.0920	0.0870		0.0237	0.0250	-5.4	50.0
Methyl acetate	Ave	0.2393	0.2061		0.108	0.125	-13.8	50.0
Methylene Chloride	Lin1		0.2235		0.0243	0.0250	-3.0	50.0
tert-Butyl alcohol	Ave	0.0193	0.0184		0.239	0.250	-4.5	50.0
Acrylonitrile	Ave	0.1072	0.0968		0.226	0.250	-9.7	50.0
Methyl tert-butyl ether	Ave	0.5044	0.4677		0.0232	0.0250	-7.3	50.0
trans-1,2-Dichloroethene	Ave	0.1939	0.2024		0.0261	0.0250	4.4	50.0
Hexane	Ave	0.0569	0.0560		0.0246	0.0250	-1.5	20.0
1,1-Dichloroethane	Ave	0.3535	0.3347	0.1000	0.0237	0.0250	-5.3	50.0
Vinyl acetate	Qua		0.4642		0.0282	0.0250	13.0	50.0
2-Butanone (MEK)	Ave	0.1837	0.1469		0.0400	0.0500	-20.0	50.0
cis-1,2-Dichloroethene	Ave	0.2286	0.2176		0.0238	0.0250	-4.8	50.0
2,2-Dichloropropane	Ave	0.1030	0.0931		0.0226	0.0250	-9.6	50.0
Bromochloromethane	Ave	0.1167	0.1096		0.0235	0.0250	-6.1	50.0
Tetrahydrofuran	Ave	0.1009	0.0878		0.0435	0.0500	-13.0	50.0
Chloroform	Ave	0.3650	0.3442		0.0236	0.0250	-5.7	20.0
1,1,1-Trichloroethane	Ave	0.2263	0.2220		0.0245	0.0250	-1.9	50.0
Cyclohexane	Ave	0.3410	0.3666		0.0269	0.0250	7.5	50.0
1,1-Dichloropropene	Ave	0.2403	0.2482		0.0258	0.0250	3.3	50.0
Carbon tetrachloride	Ave	0.2107	0.2096		0.0249	0.0250	-0.5	50.0
Isobutyl alcohol	Ave	0.0102	0.0101		0.617	0.625	-1.3	50.0
1,2-Dichloroethane	Ave	0.3122	0.2916		0.0234	0.0250	-6.6	50.0
Benzene	Ave	0.7857	0.7563		0.0241	0.0250	-3.8	50.0
n-Heptane	Ave	0.0604	0.0656		0.0271	0.0250	8.5	50.0
Trichloroethene	Ave	0.2209	0.2229		0.0252	0.0250	0.9	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab Sample ID: ICV 240-230141/12 Calibration Date: 05/13/2016 02:41

Instrument ID: A3UX8 Calib Start Date: 05/12/2016 23:30

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 05/13/2016 01:58

Lab File ID: UX83661.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.3150	0.3397		0.0270	0.0250	7.8	50.0
1,2-Dichloropropane	Ave	0.1985	0.2027		0.0255	0.0250	2.1	20.0
1,4-Dioxane	Ave	0.0026	0.0025		0.481	0.500	-3.8	50.0
Dibromomethane	Ave	0.1184	0.1174		0.0248	0.0250	-0.9	50.0
Bromodichloromethane	Qua		0.2202		0.0249	0.0250	-0.5	50.0
2-Chloroethyl vinyl ether	Qua		0.0438		0.0221	0.0250	-11.6	50.0
cis-1,3-Dichloropropene	Qua		0.2384		0.0255	0.0250	1.8	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2748	0.2818		0.0513	0.0500	2.5	50.0
Toluene	Ave	1.160	1.145		0.0247	0.0250	-1.3	20.0
trans-1,3-Dichloropropene	Qua		0.2463		0.0240	0.0250	-4.1	50.0
Ethyl methacrylate	Qua		0.3511		0.0274	0.0250	9.5	50.0
1,1,2-Trichloroethane	Ave	0.2512	0.2509		0.0250	0.0250	-0.1	50.0
1,3-Dichloropropane	Ave	0.4227	0.4224		0.0250	0.0250	-0.0	50.0
Tetrachloroethene	Ave	0.2383	0.2394		0.0251	0.0250	0.5	50.0
2-Hexanone	Ave	0.2985	0.2734		0.0458	0.0500	-8.4	50.0
Chlorodibromomethane	Qua		0.2430		0.0251	0.0250	0.4	50.0
1,2-Dibromoethane	Ave	0.2512	0.2602		0.0259	0.0250	3.6	50.0
Chlorobenzene	Ave	0.8264	0.8111	0.3000	0.0245	0.0250	-1.9	50.0
1,1,1,2-Tetrachloroethane	Ave	0.2570	0.2537		0.0247	0.0250	-1.3	50.0
Ethylbenzene	Ave	0.4146	0.4179		0.0252	0.0250	0.8	20.0
m-Xylene & p-Xylene	Ave	0.5061	0.5151		0.0254	0.0250	1.8	50.0
o-Xylene	Ave	0.5019	0.5011		0.0250	0.0250	-0.2	50.0
Styrene	Ave	0.8147	0.8721		0.0268	0.0250	7.0	50.0
Bromoform	Qua		0.1342	0.1000	0.0262	0.0250	4.7	50.0
Isopropylbenzene	Ave	1.241	1.312		0.0264	0.0250	5.6	50.0
1,1,2,2-Tetrachloroethane	Ave	0.6047	0.6437	0.3000	0.0266	0.0250	6.4	50.0
Bromobenzene	Ave	0.6724	0.7094		0.0264	0.0250	5.5	50.0
1,2,3-Trichloropropane	Ave	0.2211	0.2419		0.0274	0.0250	9.4	50.0
trans-1,4-Dichloro-2-butene	Qua		0.2079		0.0278	0.0250	11.3	50.0
N-Propylbenzene	Ave	0.7034	0.7659		0.0272	0.0250	8.9	50.0
2-Chlorotoluene	Ave	0.6211	0.6656		0.0268	0.0250	7.2	50.0
1,3,5-Trimethylbenzene	Ave	1.993	2.193		0.0275	0.0250	10.0	50.0
4-Chlorotoluene	Ave	0.6575	0.7175		0.0273	0.0250	9.1	50.0
tert-Butylbenzene	Ave	1.963	2.090		0.0266	0.0250	6.5	50.0
1,2,4-Trimethylbenzene	Ave	2.052	2.238		0.0273	0.0250	9.1	50.0
sec-Butylbenzene	Ave	2.520	2.756		0.0273	0.0250	9.4	50.0
1,3-Dichlorobenzene	Ave	1.301	1.332		0.0256	0.0250	2.3	50.0
4-Isopropyltoluene	Ave	2.351	2.494		0.0265	0.0250	6.1	50.0
1,4-Dichlorobenzene	Ave	1.389	1.366		0.0246	0.0250	-1.7	50.0
n-Butylbenzene	Ave	1.822	1.928		0.0265	0.0250	5.8	50.0
1,2-Dichlorobenzene	Ave	1.272	1.280		0.0252	0.0250	0.6	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab Sample ID: ICV 240-230141/12 Calibration Date: 05/13/2016 02:41

Instrument ID: A3UX8 Calib Start Date: 05/12/2016 23:30

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 05/13/2016 01:58

Lab File ID: UX83661.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Qua		0.0924		0.0243	0.0250	-2.8	50.0
1,2,4-Trichlorobenzene	Ave	0.7981	0.7654		0.0240	0.0250	-4.1	50.0
Hexachlorobutadiene	Ave	0.3743	0.3696		0.0247	0.0250	-1.2	50.0
Naphthalene	Ave	2.160	2.016		0.0233	0.0250	-6.7	50.0
1,2,3-Trichlorobenzene	Ave	0.7876	0.7412		0.0235	0.0250	-5.9	50.0
Dibromofluoromethane (Surr)	Ave	0.2113	0.1889		0.0447	0.0500	-10.6	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2754	0.2376		0.0431	0.0500	-13.7	50.0
Toluene-d8 (Surr)	Ave	1.085	0.996		0.0459	0.0500	-8.2	50.0
4-Bromofluorobenzene (Surr)	Ave	0.4537	0.3784		0.0417	0.0500	-16.6	50.0

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab File ID: BFB8071.D BFB Injection Date: 05/14/2016

Instrument ID: A3UX8 BFB Injection Time: 01:22

Analysis Batch No.: 230314

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	23.1	
75	30.0 - 60.0 % of mass 95	44.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	75.5	
175	5.0 - 9.0 % of mass 174	5.5	(7.3) 1
176	95.0 - 101.0 % of mass 174	73.6	(97.6) 1
177	5.0 - 9.0 % of mass 176	5.0	(6.8) 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 240-230314/4	UX83686.D	05/14/2016	01:53
	CCV 240-230314/5	UX83687.D	05/14/2016	02:14
DR-TL17S-050516	240-64493-11	UX83693.D	05/14/2016	04:21
DR-TL17N-050516	240-64493-12	UX83694.D	05/14/2016	04:42
DR-TL5S-050516	240-64493-13	UX83695.D	05/14/2016	05:04
DR-TL5N-050516	240-64493-14	UX83696.D	05/14/2016	05:25

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab Sample ID: CCVIS 240-230314/4 Calibration Date: 05/14/2016 01:53

Instrument ID: A3UX8 Calib Start Date: 05/12/2016 23:30

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 05/13/2016 01:58

Lab File ID: UX83686.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2026	0.1979		0.0195	0.0200	-2.3	50.0
Chloromethane	Ave	0.2654	0.2584	0.1000	0.0195	0.0200	-2.6	50.0
Vinyl chloride	Ave	0.1859	0.1899		0.0204	0.0200	2.1	20.0
Butadiene	Ave	0.2054	0.2122		0.0207	0.0200	3.3	50.0
Bromomethane	Qua		0.0815		0.0225	0.0200	12.5	50.0
Chloroethane	Qua		0.0994		0.0199	0.0200	-0.3	50.0
Dichlorofluoromethane	Ave	0.2206	0.2349		0.0213	0.0200	6.5	50.0
Trichlorofluoromethane	Ave	0.2086	0.2238		0.0215	0.0200	7.3	50.0
Ethyl ether	Ave	0.1691	0.1643		0.0194	0.0200	-2.9	50.0
Acrolein	Ave	0.0351	0.0315		0.0897	0.100	-10.3	50.0
1,1-Dichloroethene	Ave	0.1535	0.1442		0.0188	0.0200	-6.1	20.0
1,1,2-Trichlorotrifluoroethane	Ave	0.1254	0.1243		0.0198	0.0200	-0.8	50.0
Acetone	Qua		0.1378		0.0304	0.0400	-23.9	50.0
Iodomethane	Ave	0.2944	0.2979		0.0202	0.0200	1.2	50.0
Carbon disulfide	Ave	0.3932	0.4054		0.0206	0.0200	3.1	50.0
3-Chloro-1-propene	Ave	0.0920	0.0852		0.0185	0.0200	-7.3	50.0
Methyl acetate	Ave	0.2393	0.2053		0.0858	0.100	-14.2	50.0
Methylene Chloride	Lin1		0.2277		0.0191	0.0200	-4.4	50.0
tert-Butyl alcohol	Ave	0.0193	0.0130		0.135	0.200	-32.6	50.0
Acrylonitrile	Ave	0.1072	0.0966		0.180	0.200	-9.9	50.0
Methyl tert-butyl ether	Ave	0.5044	0.4492		0.0178	0.0200	-10.9	50.0
trans-1,2-Dichloroethene	Ave	0.1939	0.2002		0.0206	0.0200	3.2	50.0
Hexane	Ave	0.0569	0.0591		0.0208	0.0200	3.9	20.0
1,1-Dichloroethane	Ave	0.3535	0.3451	0.1000	0.0195	0.0200	-2.4	50.0
Vinyl acetate	Qua		0.3882		0.0197	0.0200	-1.4	50.0
2-Butanone (MEK)	Ave	0.1837	0.1637		0.0356	0.0400	-10.9	50.0
cis-1,2-Dichloroethene	Ave	0.2286	0.2218		0.0194	0.0200	-3.0	50.0
2,2-Dichloropropane	Ave	0.1030	0.0944		0.0183	0.0200	-8.4	50.0
Bromochloromethane	Ave	0.1167	0.1151		0.0197	0.0200	-1.4	50.0
Tetrahydrofuran	Ave	0.1009	0.0845		0.0335	0.0400	-16.2	50.0
Chloroform	Ave	0.3650	0.3420		0.0187	0.0200	-6.3	20.0
1,1,1-Trichloroethane	Ave	0.2263	0.2334		0.0206	0.0200	3.1	50.0
Cyclohexane	Ave	0.3410	0.3604		0.0211	0.0200	5.7	50.0
1,1-Dichloropropene	Ave	0.2403	0.2552		0.0212	0.0200	6.2	50.0
Carbon tetrachloride	Ave	0.2107	0.2032		0.0193	0.0200	-3.5	50.0
Isobutyl alcohol	Ave	0.0102	0.0072		0.354	0.500	-29.1	50.0
1,2-Dichloroethane	Ave	0.3122	0.2986		0.0191	0.0200	-4.4	50.0
Benzene	Ave	0.7857	0.7827		0.0199	0.0200	-0.4	50.0
n-Heptane	Ave	0.0604	0.0592		0.0196	0.0200	-2.1	50.0
Trichloroethene	Ave	0.2209	0.2185		0.0198	0.0200	-1.1	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab Sample ID: CCVIS 240-230314/4 Calibration Date: 05/14/2016 01:53

Instrument ID: A3UX8 Calib Start Date: 05/12/2016 23:30

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 05/13/2016 01:58

Lab File ID: UX83686.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.3150	0.3396		0.0216	0.0200	7.8	50.0
1,2-Dichloropropane	Ave	0.1985	0.1924		0.0194	0.0200	-3.1	20.0
1,4-Dioxane	Ave	0.0026	0.0023		0.353	0.400	-11.7	50.0
Dibromomethane	Ave	0.1184	0.1112		0.0188	0.0200	-6.1	50.0
Bromodichloromethane	Qua		0.2126		0.0196	0.0200	-1.9	50.0
2-Chloroethyl vinyl ether	Qua		0.0407		0.0296	0.0400	-26.1	50.0
cis-1,3-Dichloropropene	Qua		0.2255		0.0198	0.0200	-0.8	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2748	0.2455		0.0357	0.0400	-10.7	50.0
Toluene	Ave	1.160	1.157		0.0199	0.0200	-0.3	20.0
trans-1,3-Dichloropropene	Qua		0.2266		0.0184	0.0200	-7.9	50.0
Ethyl methacrylate	Qua		0.2796		0.0183	0.0200	-8.7	50.0
1,1,2-Trichloroethane	Ave	0.2512	0.2371		0.0189	0.0200	-5.6	50.0
1,3-Dichloropropane	Ave	0.4227	0.3934		0.0186	0.0200	-6.9	50.0
Tetrachloroethene	Ave	0.2383	0.2433		0.0204	0.0200	2.1	50.0
2-Hexanone	Ave	0.2985	0.2500		0.0335	0.0400	-16.2	50.0
Chlorodibromomethane	Qua		0.2289		0.0195	0.0200	-2.5	50.0
1,2-Dibromoethane	Ave	0.2512	0.2306		0.0184	0.0200	-8.2	50.0
Chlorobenzene	Ave	0.8264	0.7964	0.3000	0.0193	0.0200	-3.6	50.0
1,1,1,2-Tetrachloroethane	Ave	0.2570	0.2453		0.0191	0.0200	-4.6	50.0
Ethylbenzene	Ave	0.4146	0.4182		0.0202	0.0200	0.9	20.0
m-Xylene & p-Xylene	Ave	0.5061	0.5001		0.0198	0.0200	-1.2	50.0
o-Xylene	Ave	0.5019	0.4947		0.0197	0.0200	-1.4	50.0
Styrene	Ave	0.8147	0.8234		0.0202	0.0200	1.1	50.0
Bromoform	Qua		0.1162	0.1000	0.0191	0.0200	-4.7	50.0
Isopropylbenzene	Ave	1.241	1.260		0.0203	0.0200	1.5	50.0
1,1,2,2-Tetrachloroethane	Ave	0.6047	0.5549	0.3000	0.0184	0.0200	-8.2	50.0
Bromobenzene	Ave	0.6724	0.6592		0.0196	0.0200	-2.0	50.0
1,2,3-Trichloropropane	Ave	0.2211	0.2001		0.0181	0.0200	-9.5	50.0
trans-1,4-Dichloro-2-butene	Qua		0.1704		0.0190	0.0200	-4.8	50.0
N-Propylbenzene	Ave	0.7034	0.7397		0.0210	0.0200	5.2	50.0
2-Chlorotoluene	Ave	0.6211	0.6260		0.0202	0.0200	0.8	50.0
1,3,5-Trimethylbenzene	Ave	1.993	2.066		0.0207	0.0200	3.7	50.0
4-Chlorotoluene	Ave	0.6575	0.6562		0.0200	0.0200	-0.2	50.0
tert-Butylbenzene	Ave	1.963	2.019		0.0206	0.0200	2.9	50.0
1,2,4-Trimethylbenzene	Ave	2.052	2.133		0.0208	0.0200	4.0	50.0
sec-Butylbenzene	Ave	2.520	2.676		0.0212	0.0200	6.2	50.0
1,3-Dichlorobenzene	Ave	1.301	1.266		0.0195	0.0200	-2.7	50.0
4-Isopropyltoluene	Ave	2.351	2.414		0.0205	0.0200	2.7	50.0
1,4-Dichlorobenzene	Ave	1.389	1.306		0.0188	0.0200	-6.0	50.0
n-Butylbenzene	Ave	1.822	1.918		0.0211	0.0200	5.3	50.0
1,2-Dichlorobenzene	Ave	1.272	1.212		0.0191	0.0200	-4.7	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab Sample ID: CCVIS 240-230314/4 Calibration Date: 05/14/2016 01:53

Instrument ID: A3UX8 Calib Start Date: 05/12/2016 23:30

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 05/13/2016 01:58

Lab File ID: UX83686.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Qua		0.0798		0.0178	0.0200	-11.2	50.0
1,2,4-Trichlorobenzene	Ave	0.7981	0.7339		0.0184	0.0200	-8.0	50.0
Hexachlorobutadiene	Ave	0.3743	0.3677		0.0196	0.0200	-1.8	50.0
Naphthalene	Ave	2.160	1.758		0.0163	0.0200	-18.6	50.0
1,2,3-Trichlorobenzene	Ave	0.7876	0.7217		0.0183	0.0200	-8.4	50.0
Dibromofluoromethane (Surr)	Ave	0.2113	0.1817		0.0430	0.0500	-14.0	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2754	0.2248		0.0408	0.0500	-18.4	50.0
Toluene-d8 (Surr)	Ave	1.085	0.9577		0.0441	0.0500	-11.8	50.0
4-Bromofluorobenzene (Surr)	Ave	0.4537	0.3714		0.0409	0.0500	-18.1	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab Sample ID: CCV 240-230314/5 Calibration Date: 05/14/2016 02:14

Instrument ID: A3UX8 Calib Start Date: 04/08/2016 07:29

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/08/2016 09:21

Lab File ID: UX83687.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachloroethane	Ave	0.2475	0.2155			0.0400	-12.9	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab Sample ID: CCV 240-230314/5 Calibration Date: 05/14/2016 02:14

Instrument ID: A3UX8 Calib Start Date: 04/14/2016 01:39

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/14/2016 03:28

Lab File ID: UX83687.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetonitrile	Ave	0.0465	0.0401		0.172	0.200	-13.8	50.0
Diisopropyl ether	Ave	0.1868	0.1639		0.0175	0.0200	-12.3	50.0
2-Chloro-1,3-butadiene	Ave	0.3778	0.3116		0.0165	0.0200	-17.5	50.0
Ethyl tert-butyl ether	Ave	0.6195	0.4505		0.0145	0.0200	-27.3	50.0
Ethyl acetate	Ave	0.3532	0.2395		0.0271	0.0400	-32.2	50.0
Propionitrile	Ave	0.0503	0.0403		0.160	0.200	-19.8	50.0
Methacrylonitrile	Ave	0.2326	0.1830		0.157	0.200	-21.4	50.0
Tert-amyl methyl ether	Ave	0.4557	0.3358		0.0147	0.0200	-26.3	50.0
n-Butanol	Ave	0.0080	0.0046		0.285	0.500	-43.0	50.0
Methyl methacrylate	Ave	0.3175	0.2182		0.0275	0.0400	-31.3	50.0
2-Nitropropane	Lin1		0.0323		0.0224	0.0400	-43.9	50.0
1-Chlorohexane	Ave	0.3257	0.2682		0.0165	0.0200	-17.7	50.0
Cyclohexanone	Ave	0.0136	0.0090		0.133	0.200	-33.6	50.0
1,2,3-Trimethylbenzene	Ave	2.199	1.961		0.0178	0.0200	-10.8	50.0
1,3,5-Trichlorobenzene	Ave	0.7955	0.7401		0.0186	0.0200	-7.0	50.0
2-Methylnaphthalene	Ave	1.332	1.016		0.0305	0.0400	-23.7	50.0

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-64249-1

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 #
TRIPBLANK "TB-042816"	240-64249-13	92	91	93	85
TB-050516	240-64493-15	92	88	93	83
	MB 240-229374/6	97	94	101	93
	MB 240-230196/6	95	97	95	86
	LCS 240-229374/4	92	89	100	94
	LCS 240-230196/4	99	96	103	96

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	79-120
DCA = 1,2-Dichloroethane-d4 (Surr)	78-125
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene (Surr)	61-120

Column to be used to flag recovery values

FORM II 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Sample No.: STD8260 240-226738/4 Date Analyzed: 04/20/2016 10:10

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXJ3915.D Heated Purge: (Y/N) N

Calibration ID: 34082

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		906401	5.12	513238	7.78	187714	10.01
UPPER LIMIT		1812802	5.62	1026476	8.28	375428	10.51
LOWER LIMIT		453201	4.62	256619	7.28	93857	9.51
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-226738/14		928410	5.12	501834	7.78	190361	10.01
ICV 240-226738/15		848792	5.12	499263	7.78	161872	10.01
CCVIS 240-229374/2		1520895	5.12	739252	7.78	317714	10.03
CCVIS 240-230196/2		1362757	5.12	697748	7.78	279709	10.03

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Sample No.: CCVIS 240-229374/2 Date Analyzed: 05/09/2016 07:56

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXJ4427.D Heated Purge: (Y/N) N

Calibration ID: 34088

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1520895	5.12	739252	7.78	317714	10.03
UPPER LIMIT		3041790	5.62	1478504	8.28	635428	10.53
LOWER LIMIT		760448	4.62	369626	7.28	158857	9.53
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-229374/3		1039603	5.12	580069	7.78	216790	10.03
LCS 240-229374/4		1096020	5.12	574969	7.78	248359	10.01
MB 240-229374/6		954093	5.12	514212	7.78	210216	10.03
240-64249-13	TRIPBLANK "TB-042816"	934557	5.12	515698	7.78	203656	10.01

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Sample No.: CCVIS 240-230196/2 Date Analyzed: 05/13/2016 09:07

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXJ4602.D Heated Purge: (Y/N) N

Calibration ID: 34088

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1362757	5.12	697748	7.78	279709	10.03
UPPER LIMIT		2725514	5.62	1395496	8.28	559418	10.53
LOWER LIMIT		681379	4.62	348874	7.28	139855	9.53
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 240-230196/4		1051244	5.12	569963	7.78	226466	10.03
CCV 240-230196/3		1036782	5.12	561402	7.78	202938	10.03
MB 240-230196/6		951768	5.12	536816	7.78	195525	10.03
240-64493-15	TB-050516	944114	5.12	517887	7.78	197178	10.01

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab File ID: UXJ4432.D Lab Sample ID: MB 240-229374/6

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: A3UX11 Date Analyzed: 05/09/2016 09:49

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 240-229374/4	UXJ4430.D	05/09/2016 09:04
TRIPBLANK "TB-042816"	240-64249-13	UXJ4445.D	05/09/2016 14:41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-229374/6

Matrix: Water | Lab File ID: UXJ4432.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 05/09/2016 09:49

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.: 229374 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.28	U	1.0	0.28
71-55-6	1,1,1-Trichloroethane	0.44	U	1.0	0.44
79-34-5	1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22
76-13-1	1,1,2-Trichlorotrifluoroethane	0.45	U	1.0	0.45
75-34-3	1,1-Dichloroethane	0.30	U	1.0	0.30
75-35-4	1,1-Dichloroethene	0.45	U	1.0	0.45
563-58-6	1,1-Dichloropropene	0.42	U	1.0	0.42
87-61-6	1,2,3-Trichlorobenzene	0.37	U	1.0	0.37
96-18-4	1,2,3-Trichloropropane	0.44	U	1.0	0.44
526-73-8	1,2,3-Trimethylbenzene	0.47	U	5.0	0.47
120-82-1	1,2,4-Trichlorobenzene	0.32	U	1.0	0.32
95-63-6	1,2,4-Trimethylbenzene	0.41	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	0.82	U	2.0	0.82
95-50-1	1,2-Dichlorobenzene	0.25	U	1.0	0.25
107-06-2	1,2-Dichloroethane	0.23	U	1.0	0.23
78-87-5	1,2-Dichloropropane	0.25	U	1.0	0.25
541-73-1	1,3-Dichlorobenzene	0.19	U	1.0	0.19
142-28-9	1,3-Dichloropropane	0.19	U	1.0	0.19
106-46-7	1,4-Dichlorobenzene	0.27	U	1.0	0.27
594-20-7	2,2-Dichloropropane	0.26	U	1.0	0.26
78-93-3	2-Butanone (MEK)	0.53	U	10	0.53
110-75-8	2-Chloroethyl vinyl ether	0.59	U	10	0.59
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40
591-78-6	2-Hexanone	0.48	U	10	0.48
106-43-4	4-Chlorotoluene	0.29	U	1.0	0.29
99-87-6	4-Isopropyltoluene	0.43	U	1.0	0.43
108-10-1	4-Methyl-2-pentanone (MIBK)	0.99	U	10	0.99
67-64-1	Acetone	0.94	U	10	0.94
71-43-2	Benzene	0.35	U	1.0	0.35
108-86-1	Bromobenzene	0.35	U	1.0	0.35
75-25-2	Bromoform	0.56	U	1.0	0.56
74-83-9	Bromomethane	0.44	U	1.0	0.44
75-15-0	Carbon disulfide	0.38	U	1.0	0.38
56-23-5	Carbon tetrachloride	0.43	U	1.0	0.43
108-90-7	Chlorobenzene	0.25	U	1.0	0.25
124-48-1	Chlorodibromomethane	0.43	U	1.0	0.43

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-229374/6

Matrix: Water | Lab File ID: UXJ4432.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 05/09/2016 09:49

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.: 229374 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.25	U	1.0	0.25
74-87-3	Chloromethane	0.44	U	1.0	0.44
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.46	U	1.0	0.46
74-95-3	Dibromomethane	0.42	U	1.0	0.42
74-97-5	Bromochloromethane	0.50	U	1.0	0.50
75-71-8	Dichlorodifluoromethane	0.32	U	1.0	0.32
75-27-4	Bromodichloromethane	0.29	U	1.0	0.29
75-65-0	tert-Butyl alcohol	4.9	U	50	4.9
100-41-4	Ethylbenzene	0.25	U	1.0	0.25
87-68-3	Hexachlorobutadiene	0.35	U	1.0	0.35
108-20-3	Diisopropyl ether	0.50	U	10	0.50
98-82-8	Isopropylbenzene	0.35	U	1.0	0.35
1634-04-4	Methyl tert-butyl ether	0.20	U	1.0	0.20
75-09-2	Methylene Chloride	0.575	J	1.0	0.33
179601-23-1	m-Xylene & p-Xylene	0.24	U	2.0	0.24
91-20-3	Naphthalene	0.45	U	1.0	0.45
104-51-8	n-Butylbenzene	0.31	U	1.0	0.31
103-65-1	N-Propylbenzene	0.40	U	1.0	0.40
95-47-6	o-Xylene	0.25	U	1.0	0.25
135-98-8	sec-Butylbenzene	0.48	U	1.0	0.48
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl methyl ether	0.30	U	5.0	0.30
637-92-3	Ethyl tert-butyl ether	0.23	U	5.0	0.23
127-18-4	Tetrachloroethene	0.31	U	1.0	0.31
108-88-3	Toluene	0.23	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	0.30	U	1.0	0.30
10061-02-6	trans-1,3-Dichloropropene	0.56	U	1.0	0.56
79-01-6	Trichloroethene	0.22	U	1.0	0.22
75-69-4	Trichlorofluoromethane	0.49	U	1.0	0.49
108-05-4	Vinyl acetate	0.41	U	2.0	0.41
75-01-4	Vinyl chloride	0.29	U	1.0	0.29
1330-20-7	Xylenes, Total	0.52	U	2.0	0.52
98-06-6	tert-Butylbenzene	0.41	U	1.0	0.41
106-93-4	1,2-Dibromoethane	0.32	U	1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-229374/6

Matrix: Water Lab File ID: UXJ4432.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2016 09:49

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.: 229374 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	97		79-120
460-00-4	4-Bromofluorobenzene (Surr)	93		61-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		78-125

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

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-229374/6

Matrix: Water Lab File ID: UXJ4432.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2016 09:49

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.: 229374 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-229374/6

Matrix: Water | Lab File ID: UXJ4432.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 05/09/2016 09:49

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.: 229374 | Units: ug/L

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

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXJ4430.D

Lab ID: LCS 240-229374/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	10.0	10.3	103	80-120	
1,1,1-Trichloroethane	10.0	11.2	112	77-123	
1,1,2,2-Tetrachloroethane	10.0	8.80	88	71-123	
1,1,2-Trichlorotrifluoroethane	10.0	13.7	137	67-138	
1,1-Dichloroethane	10.0	11.2	112	79-125	
1,1-Dichloroethene	10.0	13.5	135	76-124	*
1,1-Dichloropropene	10.0	11.4	114	80-128	
1,2,3-Trichlorobenzene	10.0	8.70	87	66-120	
1,2,3-Trichloropropane	10.0	8.59	86	72-126	
1,2,4-Trichlorobenzene	10.0	9.19	92	61-120	
1,2,4-Trimethylbenzene	10.0	10.2	102	76-120	
1,2-Dibromo-3-Chloropropane	10.0	9.94	99	50-132	
1,2-Dichlorobenzene	10.0	10.5	105	79-120	
1,2-Dichloroethane	10.0	10.7	107	80-120	
1,2-Dichloropropane	10.0	11.6	116	78-124	
1,3-Dichlorobenzene	10.0	10.3	103	79-120	
1,3-Dichloropropane	10.0	10.9	109	80-120	
1,4-Dichlorobenzene	10.0	10.3	103	79-120	
2,2-Dichloropropane	10.0	11.9	119	71-122	
2-Butanone (MEK)	20.0	20.3	102	56-138	
2-Chloroethyl vinyl ether	10.0	10.6	106	54-139	
2-Chlorotoluene	10.0	9.37	94	80-120	
2-Hexanone	20.0	18.2	91	55-141	
4-Chlorotoluene	10.0	9.69	97	80-120	
4-Isopropyltoluene	10.0	10.6	106	77-120	
4-Methyl-2-pentanone (MIBK)	20.0	20.2	101	64-135	
Acetone	20.0	18.7	93	34-148	
Benzene	10.0	11.3	113	80-120	
Bromobenzene	10.0	9.48	95	80-120	
Bromoform	10.0	9.86	99	56-122	
Bromomethane	10.0	11.3	113	38-132	
Carbon disulfide	10.0	13.7	137	65-144	
Carbon tetrachloride	10.0	9.65	97	77-131	
Chlorobenzene	10.0	10.6	106	80-120	
Chlorodibromomethane	10.0	9.83	98	74-120	
Chloroethane	10.0	11.1	111	36-126	
Chloroform	10.0	11.5	115	80-120	
Chloromethane	10.0	10.4	104	48-133	
cis-1,2-Dichloroethene	10.0	11.1	111	79-120	
cis-1,3-Dichloropropene	10.0	11.4	114	74-126	
Dibromomethane	10.0	10.2	102	80-120	
Bromochloromethane	10.0	11.4	114	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXJ4430.D

Lab ID: LCS 240-229374/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	11.2	112	23-136	
Bromodichloromethane	10.0	10.8	108	80-120	
tert-Butyl alcohol	100	96.2	96	38-144	
Ethylbenzene	10.0	11.1	111	80-120	
Hexachlorobutadiene	10.0	9.65	96	62-120	
Isopropylbenzene	10.0	11.0	110	77-120	
Methyl tert-butyl ether	10.0	11.0	110	69-121	
Methylene Chloride	10.0	13.6	136	77-129	*
m-Xylene & p-Xylene	10.0	10.8	108	80-120	
Naphthalene	10.0	8.14	81	53-121	
n-Butylbenzene	10.0	10.7	107	74-120	
N-Propylbenzene	10.0	9.59	96	79-123	
o-Xylene	10.0	10.6	106	80-120	
sec-Butylbenzene	10.0	10.4	104	77-120	
Styrene	10.0	10.8	108	76-122	
Tetrachloroethene	10.0	11.7	117	78-121	
Toluene	10.0	11.7	117	80-120	
trans-1,2-Dichloroethene	10.0	11.8	118	80-124	
trans-1,3-Dichloropropene	10.0	11.1	111	75-131	
Trichloroethene	10.0	11.5	115	80-121	
Trichlorofluoromethane	10.0	12.2	122	61-133	
Vinyl acetate	10.0	12.3	123	27-160	
Vinyl chloride	10.0	10.7	107	52-121	
Xylenes, Total	20.0	21.4	107	80-120	
tert-Butylbenzene	10.0	10.0	100	77-121	
1,2-Dibromoethane	10.0	10.9	109	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab File ID: UXJ4606.D Lab Sample ID: MB 240-230196/6

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: A3UX11 Date Analyzed: 05/13/2016 10:38

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 240-230196/4	UXJ4603.D	05/13/2016 09:30
TB-050516	240-64493-15	UXJ4613.D	05/13/2016 13:15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-230196/6

Matrix: Water | Lab File ID: UXJ4606.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 05/13/2016 10:38

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.: 230196 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.28	U	1.0	0.28
71-55-6	1,1,1-Trichloroethane	0.44	U	1.0	0.44
79-34-5	1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22
76-13-1	1,1,2-Trichlorotrifluoroethane	0.45	U	1.0	0.45
75-34-3	1,1-Dichloroethane	0.30	U	1.0	0.30
75-35-4	1,1-Dichloroethene	0.45	U	1.0	0.45
563-58-6	1,1-Dichloropropene	0.42	U	1.0	0.42
87-61-6	1,2,3-Trichlorobenzene	0.37	U	1.0	0.37
96-18-4	1,2,3-Trichloropropane	0.44	U	1.0	0.44
526-73-8	1,2,3-Trimethylbenzene	0.47	U	5.0	0.47
120-82-1	1,2,4-Trichlorobenzene	0.32	U	1.0	0.32
95-63-6	1,2,4-Trimethylbenzene	0.41	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	0.82	U	2.0	0.82
95-50-1	1,2-Dichlorobenzene	0.25	U	1.0	0.25
107-06-2	1,2-Dichloroethane	0.23	U	1.0	0.23
78-87-5	1,2-Dichloropropane	0.25	U	1.0	0.25
541-73-1	1,3-Dichlorobenzene	0.19	U	1.0	0.19
142-28-9	1,3-Dichloropropane	0.19	U	1.0	0.19
106-46-7	1,4-Dichlorobenzene	0.27	U	1.0	0.27
594-20-7	2,2-Dichloropropane	0.26	U	1.0	0.26
78-93-3	2-Butanone (MEK)	0.53	U	10	0.53
110-75-8	2-Chloroethyl vinyl ether	0.59	U	10	0.59
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40
591-78-6	2-Hexanone	0.48	U	10	0.48
106-43-4	4-Chlorotoluene	0.29	U	1.0	0.29
99-87-6	4-Isopropyltoluene	0.43	U	1.0	0.43
108-10-1	4-Methyl-2-pentanone (MIBK)	0.99	U	10	0.99
67-64-1	Acetone	0.94	U	10	0.94
71-43-2	Benzene	0.35	U	1.0	0.35
108-86-1	Bromobenzene	0.35	U	1.0	0.35
75-25-2	Bromoform	0.56	U	1.0	0.56
74-83-9	Bromomethane	0.44	U	1.0	0.44
75-15-0	Carbon disulfide	0.38	U	1.0	0.38
56-23-5	Carbon tetrachloride	0.43	U	1.0	0.43
108-90-7	Chlorobenzene	0.25	U	1.0	0.25
124-48-1	Chlorodibromomethane	0.43	U	1.0	0.43

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-230196/6

Matrix: Water | Lab File ID: UXJ4606.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 05/13/2016 10:38

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.: 230196 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.25	U	1.0	0.25
74-87-3	Chloromethane	0.44	U	1.0	0.44
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.46	U	1.0	0.46
74-95-3	Dibromomethane	0.42	U	1.0	0.42
74-97-5	Bromochloromethane	0.50	U	1.0	0.50
75-71-8	Dichlorodifluoromethane	0.32	U	1.0	0.32
75-27-4	Bromodichloromethane	0.29	U	1.0	0.29
75-65-0	tert-Butyl alcohol	4.9	U	50	4.9
100-41-4	Ethylbenzene	0.25	U	1.0	0.25
87-68-3	Hexachlorobutadiene	0.35	U	1.0	0.35
108-20-3	Diisopropyl ether	0.50	U	10	0.50
98-82-8	Isopropylbenzene	0.35	U	1.0	0.35
1634-04-4	Methyl tert-butyl ether	0.20	U	1.0	0.20
75-09-2	Methylene Chloride	0.33	U	1.0	0.33
179601-23-1	m-Xylene & p-Xylene	0.24	U	2.0	0.24
91-20-3	Naphthalene	0.45	U	1.0	0.45
104-51-8	n-Butylbenzene	0.31	U	1.0	0.31
103-65-1	N-Propylbenzene	0.40	U	1.0	0.40
95-47-6	o-Xylene	0.25	U	1.0	0.25
135-98-8	sec-Butylbenzene	0.48	U	1.0	0.48
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl methyl ether	0.30	U	5.0	0.30
637-92-3	Ethyl tert-butyl ether	0.23	U	5.0	0.23
127-18-4	Tetrachloroethene	0.31	U	1.0	0.31
108-88-3	Toluene	0.23	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	0.30	U	1.0	0.30
10061-02-6	trans-1,3-Dichloropropene	0.56	U	1.0	0.56
79-01-6	Trichloroethene	0.22	U	1.0	0.22
75-69-4	Trichlorofluoromethane	0.49	U	1.0	0.49
108-05-4	Vinyl acetate	0.41	U	2.0	0.41
75-01-4	Vinyl chloride	0.29	U	1.0	0.29
1330-20-7	Xylenes, Total	0.52	U	2.0	0.52
98-06-6	tert-Butylbenzene	0.41	U	1.0	0.41
106-93-4	1,2-Dibromoethane	0.32	U	1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-230196/6

Matrix: Water Lab File ID: UXJ4606.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/13/2016 10:38

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.: 230196 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	95		79-120
460-00-4	4-Bromofluorobenzene (Surr)	86		61-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		78-125

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

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-230196/6

Matrix: Water Lab File ID: UXJ4606.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/13/2016 10:38

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.: 230196 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-230196/6

Matrix: Water | Lab File ID: UXJ4606.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 05/13/2016 10:38

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.: 230196 | Units: ug/L

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

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXJ4603.D

Lab ID: LCS 240-230196/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	10.0	11.0	110	80-120	
1,1,1-Trichloroethane	10.0	11.7	117	77-123	
1,1,2,2-Tetrachloroethane	10.0	9.23	92	71-123	
1,1,2-Trichlorotrifluoroethane	10.0	11.2	112	67-138	
1,1-Dichloroethane	10.0	11.0	110	79-125	
1,1-Dichloroethene	10.0	11.9	119	76-124	
1,1-Dichloropropene	10.0	10.8	108	80-128	
1,2,3-Trichlorobenzene	10.0	9.51	95	66-120	
1,2,3-Trichloropropane	10.0	9.13	91	72-126	
1,2,4-Trichlorobenzene	10.0	9.93	99	61-120	
1,2,4-Trimethylbenzene	10.0	10.8	108	76-120	
1,2-Dibromo-3-Chloropropane	10.0	9.50	95	50-132	
1,2-Dichlorobenzene	10.0	11.2	112	79-120	
1,2-Dichloroethane	10.0	10.9	109	80-120	
1,2-Dichloropropane	10.0	11.6	116	78-124	
1,3-Dichlorobenzene	10.0	11.1	111	79-120	
1,3-Dichloropropane	10.0	10.8	108	80-120	
1,4-Dichlorobenzene	10.0	11.4	114	79-120	
2,2-Dichloropropane	10.0	11.3	113	71-122	
2-Butanone (MEK)	20.0	19.4	97	56-138	
2-Chloroethyl vinyl ether	10.0	10.3	103	54-139	
2-Chlorotoluene	10.0	10.0	100	80-120	
2-Hexanone	20.0	18.1	91	55-141	
4-Chlorotoluene	10.0	10.4	104	80-120	
4-Isopropyltoluene	10.0	11.3	113	77-120	
4-Methyl-2-pentanone (MIBK)	20.0	19.7	99	64-135	
Acetone	20.0	20.1	101	34-148	
Benzene	10.0	11.4	114	80-120	
Bromobenzene	10.0	10.2	102	80-120	
Bromoform	10.0	8.78	88	56-122	
Bromomethane	10.0	10.8	108	38-132	
Carbon disulfide	10.0	13.1	131	65-144	
Carbon tetrachloride	10.0	11.2	112	77-131	
Chlorobenzene	10.0	10.8	108	80-120	
Chlorodibromomethane	10.0	9.89	99	74-120	
Chloroethane	10.0	10.7	107	36-126	
Chloroform	10.0	11.5	115	80-120	
Chloromethane	10.0	10.6	106	48-133	
cis-1,2-Dichloroethene	10.0	11.6	116	79-120	
cis-1,3-Dichloropropene	10.0	11.2	112	74-126	
Dibromomethane	10.0	10.6	106	80-120	
Bromochloromethane	10.0	11.4	114	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXJ4603.D

Lab ID: LCS 240-230196/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	8.87	89	23-136	
Bromodichloromethane	10.0	11.2	112	80-120	
tert-Butyl alcohol	100	101	101	38-144	
Ethylbenzene	10.0	10.9	109	80-120	
Hexachlorobutadiene	10.0	10.9	109	62-120	
Isopropylbenzene	10.0	10.8	108	77-120	
Methyl tert-butyl ether	10.0	11.0	110	69-121	
Methylene Chloride	10.0	12.5	125	77-129	
m-Xylene & p-Xylene	10.0	10.7	107	80-120	
Naphthalene	10.0	9.18	92	53-121	
n-Butylbenzene	10.0	11.1	111	74-120	
N-Propylbenzene	10.0	10.0	100	79-123	
o-Xylene	10.0	10.5	105	80-120	
sec-Butylbenzene	10.0	10.7	107	77-120	
Styrene	10.0	10.6	106	76-122	
Tetrachloroethene	10.0	11.5	115	78-121	
Toluene	10.0	11.5	115	80-120	
trans-1,2-Dichloroethene	10.0	11.9	119	80-124	
trans-1,3-Dichloropropene	10.0	10.8	108	75-131	
Trichloroethene	10.0	11.5	115	80-121	
Trichlorofluoromethane	10.0	10.5	105	61-133	
Vinyl acetate	10.0	11.4	114	27-160	
Vinyl chloride	10.0	9.79	98	52-121	
Xylenes, Total	20.0	21.2	106	80-120	
tert-Butylbenzene	10.0	10.5	105	77-121	
1,2-Dibromoethane	10.0	11.0	110	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab File ID: BFB6420A.D BFB Injection Date: 04/20/2016

Instrument ID: A3UX11 BFB Injection Time: 08:39

Analysis Batch No.: 226738

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.1	
75	30.0 - 60.0 % of mass 95	50.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	86.0	
175	5.0 - 9.0 % of mass 174	6.8	(8.0) 1
176	95.0 - 101.0 % of mass 174	83.5	(97.1) 1
177	5.0 - 9.0 % of mass 176	5.9	(7.1) 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
	STD8260 240-226738/2	UXJ3913.D	04/20/2016	09:25
	STD8260 240-226738/3	UXJ3914.D	04/20/2016	09:48
	STD8260 240-226738/4	UXJ3915.D	04/20/2016	10:10
	STD8260 240-226738/5	UXJ3916.D	04/20/2016	10:33
	STD8260 240-226738/6	UXJ3917.D	04/20/2016	10:56
	STD8260 240-226738/7	UXJ3918.D	04/20/2016	11:18
	ICV 240-226738/14	UXJ3919.D	04/20/2016	12:08
	STD6 240-226738/8	UXJ3920.D	04/20/2016	12:31
	STD5 240-226738/9	UXJ3921.D	04/20/2016	12:54
	STD4 240-226738/10	UXJ3922.D	04/20/2016	13:16
	STD3 240-226738/11	UXJ3923.D	04/20/2016	13:39
	STD2 240-226738/12	UXJ3924.D	04/20/2016	14:02
	STD1 240-226738/13	UXJ3925.D	04/20/2016	14:24
	ICV 240-226738/15	UXJ3926.D	04/20/2016	14:47

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-64249-1 Analy Batch No.: 226738

SDG No.:

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/20/2016 09:25 Calibration End Date: 04/20/2016 11:18 Calibration ID: 34082

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-226738/7	UXJ3918.D
Level 2	STD8260 240-226738/6	UXJ3917.D
Level 3	STD8260 240-226738/5	UXJ3916.D
Level 4	STD8260 240-226738/4	UXJ3915.D
Level 5	STD8260 240-226738/3	UXJ3914.D
Level 6	STD8260 240-226738/2	UXJ3913.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	0.1993 0.1423	0.1669	0.1636	0.1864	0.1828	Ave		0.1736			0.1000	11.6		20.0			
Chloromethane	0.2502 0.2033	0.2714	0.2305	0.2230	0.2207	Ave		0.2332			0.1000	10.3		20.0			
Vinyl chloride	0.2332 0.1745	0.2601	0.2112	0.2178	0.2085	Ave		0.2175			0.1000	13.1		20.0			
Butadiene	0.2482 0.1746	0.2401	0.2019	0.2167	0.2165	Ave		0.2163				12.3		20.0			
Bromomethane	0.0961 0.0977	0.1274	0.0986	0.0995	0.1002	Ave		0.1032			0.0500	11.5		20.0			
Chloroethane	0.1087 0.1059	0.1330	0.1139	0.1129	0.1147	Ave		0.1149			0.0500	8.3		20.0			
Dichlorofluoromethane	0.2548 0.2378	0.3209	0.2520	0.2586	0.2599	Ave		0.2640				11.0		20.0			
Trichlorofluoromethane	0.1977 0.1936	0.1690	0.1852	0.2074	0.2252	Ave		0.1964			0.1000	9.8		20.0			
Ethyl ether	0.2410 0.2078	0.3075	0.2284	0.2320	0.2327	Ave		0.2416				14.1		20.0			
Acrolein	0.0236 0.0207	0.0273	0.0262	0.0250	0.0239	Ave		0.0244				9.5		20.0			
1,1-Dichloroethene	0.1869 0.1731	0.2248	0.1870	0.1946	0.1936	Ave		0.1933			0.1000	8.9		20.0			
1,1,2-Trichlorotrifluoroethane	0.1340 0.1064	0.1160	0.1146	0.1181	0.1272	Ave		0.1194			0.0500	8.2		20.0			
Acetone	0.1106 0.0366	0.1024	0.0750	0.0614	0.0492	Qua	0.1647	0.0575	-0.000288		0.0100				0.9990		0.9900
Iodomethane	0.2581 0.2365	0.3110	0.2646	0.2515	0.2560	Ave		0.2630				9.6		20.0			
Carbon disulfide	0.5144 0.4320	0.5844	0.4652	0.4717	0.4809	Ave		0.4914			0.1000	10.7		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.: 240-64249-1 Analy Batch No.: 226738

SDG No.:

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/20/2016 09:25 Calibration End Date: 04/20/2016 11:18 Calibration ID: 34082

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	0.1522 0.1536	0.1716	0.1617	0.1613	0.1633	Ave		0.1606				4.4		20.0			
Methyl acetate	0.1583 0.1261	0.1796	0.1535	0.1466	0.1443	Ave		0.1514			0.1000	11.7		20.0			
Methylene Chloride	0.3965 0.1985	0.3715	0.2552	0.2188	0.2152	Lin1	0.2545	0.1964			0.1000				0.9960		0.9900
tert-Butyl alcohol	0.0144 0.0091	0.0165	0.0122	0.0116	0.0110	Qua	0.0374	0.0124	-0.000008						0.9990		0.9900
Acrylonitrile	0.0803 0.0649	0.0899	0.0758	0.0736	0.0738	Ave		0.0764				10.9		20.0			
Methyl tert-butyl ether	0.6891 0.6170	0.7690	0.6749	0.6504	0.6607	Ave		0.6769			0.1000	7.6		20.0			
trans-1,2-Dichloroethene	0.2913 0.2486	0.3091	0.2685	0.2529	0.2661	Ave		0.2727			0.1000	8.5		20.0			
Hexane	0.0660 0.0536	0.0507	0.0543	0.0644	0.0680	Ave		0.0595				12.5		20.0			
1,1-Dichloroethane	0.4956 0.4458	0.5665	0.4781	0.4496	0.4597	Ave		0.4826			0.2000	9.4		20.0			
Vinyl acetate	0.3981 0.3772	0.4533	0.3934	0.3798	0.3938	Ave		0.3993				7.0		20.0			
cis-1,2-Dichloroethene	0.2889 0.2612	0.3309	0.2828	0.2670	0.2711	Ave		0.2836			0.1000	8.9		20.0			
2-Butanone (MEK)	0.0996 0.0654	0.1163	0.0922	0.0866	0.0751	Qua	0.0976	0.0838	-0.000247		0.0100				0.9990		0.9900
2,2-Dichloropropane	0.2045 0.1860	0.2403	0.1954	0.2014	0.2065	Ave		0.2057				9.0		20.0			
Bromochloromethane	0.1227 0.1247	0.1516	0.1355	0.1208	0.1308	Ave		0.1310				8.8		20.0			
Tetrahydrofuran	0.0582 0.0463	0.0629	0.0529	0.0518	0.0524	Ave		0.0541				10.6		20.0			
Chloroform	0.4632 0.4077	0.5095	0.4329	0.4028	0.4182	Ave		0.4390			0.2000	9.3		20.0			
1,1,1-Trichloroethane	0.2988 0.2779	0.3434	0.2934	0.2950	0.2971	Ave		0.3009			0.1000	7.4		20.0			
Cyclohexane	0.3606 0.2936	0.3365	0.2986	0.3491	0.3561	Ave		0.3324			0.1000	8.8		20.0			
1,1-Dichloropropene	0.3743 0.3422	0.4157	0.3404	0.3528	0.3587	Ave		0.3640				7.7		20.0			
Carbon tetrachloride	0.2887 0.2864	0.3176	0.2657	0.2931	0.3031	Ave		0.2924			0.1000	6.0		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.: 240-64249-1 Analy Batch No.: 226738

SDG No.:

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/20/2016 09:25 Calibration End Date: 04/20/2016 11:18 Calibration ID: 34082

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	0.0079 0.0073	0.0084	0.0087	0.0077	0.0077	Ave		0.0079				6.5		20.0			
1,2-Dichloroethane	0.3599 0.3206	0.3783	0.3362	0.3103	0.3181	Ave		0.3372			0.1000	7.9		20.0			
Benzene	1.1380 1.0515	1.2783	1.0825	1.0196	1.0398	Ave		1.1016			0.5000	8.7		20.0			
n-Heptane	0.0718 0.0525	0.0491	0.0448	0.0599	0.0656	Ave		0.0573				18.0		20.0			
Trichloroethene	0.2735 0.2632	0.3222	0.2626	0.2585	0.2679	Ave		0.2747			0.1500	8.7		20.0			
Methylcyclohexane	0.3391 0.2892	0.3024	0.2666	0.3322	0.3485	Ave		0.3130			0.1000	10.2		20.0			
1,2-Dichloropropane	0.2485 0.2452	0.3016	0.2549	0.2380	0.2419	Ave		0.2550			0.1000	9.2		20.0			
Dibromomethane	0.1500 0.1278	0.1583	0.1321	0.1241	0.1286	Ave		0.1368				10.2		20.0			
1,4-Dioxane	0.0010 0.0013	0.0012	0.0012	0.0015	0.0015	Ave		0.0013				15.0		20.0			
Bromodichloromethane	0.2656 0.3015	0.3222	0.2897	0.2760	0.2880	Ave		0.2905			0.1500	6.8		20.0			
2-Chloroethyl vinyl ether	0.1317 0.1338	0.1538	0.1355	0.1349	0.1403	Ave		0.1383				5.9		20.0			
cis-1,3-Dichloropropene	0.3386 0.3749	0.3934	0.3564	0.3457	0.3669	Ave		0.3627			0.1500	5.5		20.0			
4-Methyl-2-pentanone (MIBK)	0.1673 0.1485	0.1989	0.1629	0.1606	0.1601	Ave		0.1664			0.0500	10.3		20.0			
Toluene	1.9124 2.0010	2.0990	1.8477	1.7837	1.8355	Ave		1.9132			0.4000	6.2		20.0			
trans-1,3-Dichloropropene	0.4650 0.6143	0.5595	0.5254	0.5141	0.5575	Ave		0.5393			0.1000	9.3		20.0			
Ethyl methacrylate	0.4135 0.5057	0.4523	0.4395	0.4401	0.4706	Ave		0.4536				7.0		20.0			
1,1,2-Trichloroethane	0.3312 0.3411	0.3785	0.3395	0.3095	0.3211	Ave		0.3368			0.1000	7.0		20.0			
Tetrachloroethene	0.3531 0.3545	0.3752	0.3257	0.3173	0.3327	Ave		0.3431			0.1500	6.3		20.0			
1,3-Dichloropropane	0.6159 0.6539	0.7351	0.6367	0.5874	0.6035	Ave		0.6387				8.3		20.0			
2-Hexanone	0.2183 0.1909	0.2426	0.2160	0.1958	0.1891	Ave		0.2088			0.0500	10.0		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.: 240-64249-1 Analy Batch No.: 226738

SDG No.:

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/20/2016 09:25 Calibration End Date: 04/20/2016 11:18 Calibration ID: 34082

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	0.2879 0.3722	0.3509	0.3212	0.3171	0.3382	Ave		0.3313				8.8		20.0			
1,2-Dibromoethane	0.2911 0.3077	0.3497	0.2961	0.2868	0.2947	Ave		0.3044				7.7		20.0			
Chlorobenzene	1.0120 0.9962	1.1718	1.0054	0.9354	0.9791	Ave		1.0166			0.3000	7.9		20.0			
1,1,1,2-Tetrachloroethane	0.3173 0.3363	0.3589	0.3318	0.3071	0.3221	Ave		0.3289				5.5		20.0			
Ethylbenzene	0.4781 0.5309	0.5610	0.4979	0.5002	0.5234	Ave		0.5153				5.7		20.0			
m-Xylene & p-Xylene	0.5952 0.6273	0.6640	0.6095	0.5694	0.6072	Ave		0.6121				5.2		20.0			
o-Xylene	0.5461 0.5589	0.5994	0.5512	0.5262	0.5424	Ave		0.5540				4.5		20.0			
Styrene	0.8613 0.9843	1.0236	0.9444	0.8934	0.9471	Ave		0.9423			0.3000	6.3		20.0			
Bromoform	0.1157 0.1652	0.1458	0.1329	0.1390	0.1510	Ave		0.1416			0.1000	11.9		20.0			
Isopropylbenzene	1.1590 1.1999	1.3078	1.1817	1.1294	1.1846	Ave		1.1937			0.1000	5.1		20.0			
1,1,2,2-Tetrachloroethane	0.7623 0.6293	0.8461	0.7024	0.6585	0.6408	Ave		0.7065			0.3000	11.9		20.0			
Bromobenzene	0.8438 0.8526	1.0183	0.8619	0.8371	0.8349	Ave		0.8748				8.1		20.0			
1,2,3-Trichloropropane	0.2546 0.2157	0.2897	0.2301	0.2292	0.2295	Ave		0.2415				11.1		20.0			
trans-1,4-Dichloro-2-butene	0.1707 0.2090	0.1715	0.1742	0.1785	0.2097	Ave		0.1856				10.0		20.0			
N-Propylbenzene	0.8057 0.8007	0.9062	0.8118	0.8116	0.8107	Ave		0.8245				4.9		20.0			
2-Chlorotoluene	0.7225 0.7115	0.8370	0.7461	0.7137	0.6934	Ave		0.7374				7.0		20.0			
1,3,5-Trimethylbenzene	2.0463 2.2503	2.2937	2.1203	2.0339	2.1167	Ave		2.1435				5.0		20.0			
4-Chlorotoluene	0.7827 0.7648	0.8791	0.7743	0.7413	0.7550	Ave		0.7829				6.3		20.0			
tert-Butylbenzene	1.7487 1.8139	1.9706	1.7808	1.7290	1.7726	Ave		1.8026				4.8		20.0			
1,2,4-Trimethylbenzene	2.1324 2.3121	2.5946	2.1634	2.1478	2.2386	Ave		2.2648				7.7		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.: 240-64249-1 Analy Batch No.: 226738

SDG No.:

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/20/2016 09:25 Calibration End Date: 04/20/2016 11:18 Calibration ID: 34082

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	2.2635 2.3993	2.5607	2.3141	2.3358	2.3462	Ave		2.3699				4.4		20.0			
1,3-Dichlorobenzene	1.5149 1.3829	1.6266	1.4107	1.3088	1.3497	Ave		1.4323			0.6000	8.2		20.0			
4-Isopropyltoluene	2.0291 2.2168	2.2948	2.0808	2.0246	2.1111	Ave		2.1262				5.1		20.0			
1,4-Dichlorobenzene	1.4754 1.4495	1.7737	1.4907	1.3548	1.3951	Ave		1.4899			0.5000	9.9		20.0			
n-Butylbenzene	1.6757 1.7617	1.9222	1.6545	1.6713	1.7079	Ave		1.7322				5.8		20.0			
1,2-Dichlorobenzene	1.3643 1.3507	1.6350	1.3737	1.2976	1.3403	Ave		1.3936			0.4000	8.7		20.0			
1,2-Dibromo-3-Chloropropane	0.1295 0.1095	0.1442	0.1218	0.1290	0.1248	Ave		0.1265			0.0500	9.0		20.0			
1,2,4-Trichlorobenzene	0.9740 0.7455	1.1025	0.8899	0.8296	0.8541	Ave		0.8993			0.2000	13.8		20.0			
Hexachlorobutadiene	0.4561 0.3172	0.5163	0.3888	0.3757	0.3732	Ave		0.4046				17.4		20.0			
Naphthalene	1.9597 1.5442	2.2644	1.9167	1.9004	1.9030	Ave		1.9147				12.0		20.0			
1,2,3-Trichlorobenzene	0.8775 0.6096	1.0141	0.8166	0.7708	0.7435	Ave		0.8053				16.9		20.0			
Dibromofluoromethane (Surr)	0.2395 0.2173	0.2562	0.2245	0.2198	0.2251	Ave		0.2304				6.4		20.0			
1,2-Dichloroethane-d4 (Surr)	0.3008 0.2735	0.3196	0.2839	0.2731	0.2722	Ave		0.2872				6.7		20.0			
Toluene-d8 (Surr)	1.6750 1.6926	1.6872	1.5724	1.5175	1.5862	Ave		1.6218				4.5		20.0			
4-Bromofluorobenzene (Surr)	0.3294 0.3510	0.3831	0.3514	0.3325	0.3425	Ave		0.3483				5.5		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.: 240-64249-1 Analy Batch No.: 226738

SDG No.:

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/20/2016 12:31 Calibration End Date: 04/20/2016 14:24 Calibration ID: 34085

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-226738/13	UXJ3925.D
Level 2	STD2 240-226738/12	UXJ3924.D
Level 3	STD3 240-226738/11	UXJ3923.D
Level 4	STD4 240-226738/10	UXJ3922.D
Level 5	STD5 240-226738/9	UXJ3921.D
Level 6	STD6 240-226738/8	UXJ3920.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	0.0210 0.0180	0.0178	0.0200	0.0226	0.0192	Ave		0.0197				9.3		20.0			
Diisopropyl ether	0.2379 0.2117	0.2161	0.2283	0.2462	0.2199	Ave		0.2267				5.9		20.0			
2-Chloro-1,3-butadiene	0.4003 0.3677	0.3773	0.3881	0.4191	0.3802	Ave		0.3888				4.7		20.0			
Ethyl tert-butyl ether	0.7118 0.6448	0.6548	0.6868	0.7714	0.6725	Ave		0.6903				6.7		20.0			
Ethyl acetate	0.1924 0.1590	0.1725	0.1781	0.1889	0.1675	Ave		0.1764				7.2		20.0			
Propionitrile	0.0254 0.0215	0.0237	0.0254	0.0270	0.0230	Ave		0.0243				8.2		20.0			
Methacrylonitrile	0.1399 0.1186	0.1296	0.1346	0.1449	0.1260	Ave		0.1323				7.2		20.0			
Tert-amyl methyl ether	0.6408 0.5775	0.5807	0.6129	0.6829	0.6011	Ave		0.6160				6.5		20.0			
n-Butanol	0.0044 0.0049	0.0058	0.0055	0.0061	0.0054	Ave		0.0053				11.3		20.0			
Ethyl acrylate	0.2448 0.2392	0.2263	0.2438	0.2726	0.2499	Ave		0.2461				6.2		20.0			
Methyl methacrylate	0.1842 0.1700	0.1688	0.1805	0.2009	0.1786	Ave		0.1805				6.5		20.0			
2-Nitropropane	0.0461 0.0400	0.0372	0.0399	0.0432	0.0392	Ave		0.0409				7.8		20.0			
n-Butyl acetate	0.2511 0.2336	0.2373	0.2399	0.2689	0.2431	Ave		0.2457				5.2		20.0			
1-Chlorohexane	0.4124 0.3982	0.3930	0.4235	0.4534	0.4099	Ave		0.4151				5.2		20.0			
Cyclohexanone	0.0153 0.0141	0.0151	0.0180	0.0192	0.0170	Ave		0.0165				12.0		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.: 240-64249-1 Analy Batch No.: 226738

SDG No.:

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/20/2016 12:31 Calibration End Date: 04/20/2016 14:24 Calibration ID: 34085

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								
1,2,3-Trimethylbenzene	2.2206 2.2119	1.9158	2.0951	2.5177	2.2650	Ave		2.2043				9.0		20.0			
1,3,5-Trichlorobenzene	1.0289 0.8540	0.9643	0.9843	1.0631	0.9144	Ave		0.9682				7.9		20.0			
2-Methylnaphthalene	1.2831 +++++	1.3293	1.1894	1.3316	1.1024	Ave		1.2472				8.0		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.: 240-64249-1

SDG No.:

Lab Sample ID: ICV 240-226738/14 Calibration Date: 04/20/2016 12:08

Instrument ID: A3UX11 Calib Start Date: 04/20/2016 09:25

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/20/2016 11:18

Lab File ID: UXJ3919.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	Ave	0.1736	0.1832	0.1000	0.0106	0.0100	5.5	20.0
Chloromethane	Ave	0.2332	0.2453	0.1000	0.0105	0.0100	5.2	20.0
Vinyl chloride	Ave	0.2175	0.2228	0.1000	0.0102	0.0100	2.4	20.0
Butadiene	Ave	0.2163	0.2282		0.0105	0.0100	5.5	30.0
Bromomethane	Ave	0.1032	0.1072	0.0500	0.0104	0.0100	3.8	20.0
Chloroethane	Ave	0.1149	0.1208	0.0500	0.0105	0.0100	5.2	20.0
Dichlorofluoromethane	Ave	0.2640	0.2821		0.0107	0.0100	6.9	20.0
Trichlorofluoromethane	Ave	0.1964	0.2188	0.1000	0.0111	0.0100	11.4	20.0
Ethyl ether	Ave	0.2416	0.2170		0.00898	0.0100	-10.2	20.0
Acrolein	Ave	0.0244	0.0347		0.0709	0.0500	41.8	50.0
1,1,2-Trichlorotrifluoroethane	Ave	0.1194	0.1397	0.0500	0.0117	0.0100	17.0	20.0
1,1-Dichloroethene	Ave	0.1933	0.2129	0.1000	0.0110	0.0100	10.1	20.0
Acetone	Qua		0.0534	0.0100	0.0172	0.0200	-14.1	50.0
Iodomethane	Ave	0.2630	0.2945		0.0112	0.0100	12.0	20.0
Carbon disulfide	Ave	0.4914	0.5391	0.1000	0.0110	0.0100	9.7	20.0
3-Chloro-1-propene	Ave	0.1606	0.1759		0.0109	0.0100	9.5	20.0
Methyl acetate	Ave	0.1514	0.1447	0.1000	0.0478	0.0500	-4.4	20.0
Methylene Chloride	Lin1		0.2351	0.1000	0.0107	0.0100	6.7	50.0
tert-Butyl alcohol	Qua		0.0110		0.0911	0.100	-8.9	50.0
Acrylonitrile	Ave	0.0764	0.0725		0.0949	0.100	-5.1	20.0
Methyl tert-butyl ether	Ave	0.6769	0.6511	0.1000	0.00962	0.0100	-3.8	20.0
trans-1,2-Dichloroethene	Ave	0.2727	0.2754	0.1000	0.0101	0.0100	1.0	20.0
Hexane	Ave	0.0595	0.0747		0.0126	0.0100	25.6*	20.0
1,1-Dichloroethane	Ave	0.4826	0.4668	0.2000	0.00967	0.0100	-3.3	20.0
Vinyl acetate	Ave	0.3993	0.3822		0.00957	0.0100	-4.3	50.0
2-Butanone (MEK)	Qua		0.0769	0.0100	0.0182	0.0200	-9.2	20.0
cis-1,2-Dichloroethene	Ave	0.2836	0.2703	0.1000	0.00953	0.0100	-4.7	20.0
2,2-Dichloropropane	Ave	0.2057	0.2000		0.00972	0.0100	-2.8	20.0
Bromochloromethane	Ave	0.1310	0.1285		0.00981	0.0100	-1.9	20.0
Tetrahydrofuran	Ave	0.0541	0.0497		0.0184	0.0200	-8.2	20.0
Chloroform	Ave	0.4390	0.4218	0.2000	0.00961	0.0100	-3.9	20.0
1,1,1-Trichloroethane	Ave	0.3009	0.2922	0.1000	0.00971	0.0100	-2.9	20.0
Cyclohexane	Ave	0.3324	0.3681	0.1000	0.0111	0.0100	10.7	20.0
1,1-Dichloropropene	Ave	0.3640	0.3585		0.00985	0.0100	-1.5	20.0
Carbon tetrachloride	Ave	0.2924	0.3046	0.1000	0.0104	0.0100	4.1	20.0
Isobutyl alcohol	Ave	0.0079	0.0069		0.216	0.250	-13.6	20.0
1,2-Dichloroethane	Ave	0.3372	0.3165	0.1000	0.00939	0.0100	-6.1	20.0
Benzene	Ave	1.102	1.045	0.5000	0.00948	0.0100	-5.2	20.0
n-Heptane	Ave	0.0573	0.0623		0.0109	0.0100	8.8	20.0
Trichloroethene	Ave	0.2747	0.2646	0.1500	0.00963	0.0100	-3.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab Sample ID: ICV 240-226738/14 Calibration Date: 04/20/2016 12:08

Instrument ID: A3UX11 Calib Start Date: 04/20/2016 09:25

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/20/2016 11:18

Lab File ID: UXJ3919.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	0.3130	0.3286	0.1000	0.0105	0.0100	5.0	20.0
1,2-Dichloropropane	Ave	0.2550	0.2450	0.1000	0.00961	0.0100	-3.9	20.0
Dibromomethane	Ave	0.1368	0.1239		0.00905	0.0100	-9.5	20.0
1,4-Dioxane	Ave	0.0013	0.0014		0.209	0.200	4.4	50.0
Bromodichloromethane	Ave	0.2905	0.2754	0.1500	0.00948	0.0100	-5.2	20.0
2-Chloroethyl vinyl ether	Ave	0.1383	0.1237		0.00894	0.0100	-10.6	20.0
cis-1,3-Dichloropropene	Ave	0.3627	0.3502	0.1500	0.00966	0.0100	-3.4	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1664	0.1500	0.0500	0.0180	0.0200	-9.9	20.0
Toluene	Ave	1.913	1.832	0.4000	0.00957	0.0100	-4.3	20.0
trans-1,3-Dichloropropene	Ave	0.5393	0.5082	0.1000	0.00942	0.0100	-5.8	20.0
Ethyl methacrylate	Ave	0.4536	0.4422		0.00975	0.0100	-2.5	20.0
1,1,2-Trichloroethane	Ave	0.3368	0.3069	0.1000	0.00911	0.0100	-8.9	20.0
Tetrachloroethene	Ave	0.3431	0.3250	0.1500	0.00947	0.0100	-5.3	20.0
1,3-Dichloropropane	Ave	0.6387	0.5900		0.00924	0.0100	-7.6	20.0
2-Hexanone	Ave	0.2088	0.1799	0.0500	0.0172	0.0200	-13.9	20.0
Chlorodibromomethane	Ave	0.3313	0.3095		0.00934	0.0100	-6.6	20.0
1,2-Dibromoethane	Ave	0.3044	0.2959		0.00972	0.0100	-2.8	20.0
Chlorobenzene	Ave	1.017	0.9260	0.3000	0.00911	0.0100	-8.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3289	0.3051		0.00928	0.0100	-7.2	20.0
Ethylbenzene	Ave	0.5153	0.5031		0.00976	0.0100	-2.4	20.0
m-Xylene & p-Xylene	Ave	0.6121	0.5846		0.00955	0.0100	-4.5	20.0
o-Xylene	Ave	0.5540	0.5080		0.00917	0.0100	-8.3	20.0
Styrene	Ave	0.9423	0.8833	0.3000	0.00937	0.0100	-6.3	20.0
Bromoform	Ave	0.1416	0.1367	0.1000	0.00965	0.0100	-3.5	20.0
Isopropylbenzene	Ave	1.194	1.136	0.1000	0.00952	0.0100	-4.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7065	0.6338	0.3000	0.00897	0.0100	-10.3	20.0
Bromobenzene	Ave	0.8748	0.7988		0.00913	0.0100	-8.7	20.0
1,2,3-Trichloropropane	Ave	0.2415	0.2268		0.00939	0.0100	-6.1	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1856	0.1635		0.00881	0.0100	-11.9	20.0
N-Propylbenzene	Ave	0.8245	0.7688		0.00933	0.0100	-6.7	20.0
2-Chlorotoluene	Ave	0.7374	0.6723		0.00912	0.0100	-8.8	20.0
1,3,5-Trimethylbenzene	Ave	2.144	2.022		0.00943	0.0100	-5.7	20.0
4-Chlorotoluene	Ave	0.7829	0.7301		0.00933	0.0100	-6.7	20.0
tert-Butylbenzene	Ave	1.803	1.688		0.00936	0.0100	-6.4	20.0
1,2,4-Trimethylbenzene	Ave	2.265	2.082		0.00919	0.0100	-8.1	20.0
sec-Butylbenzene	Ave	2.370	2.197		0.00927	0.0100	-7.3	20.0
1,3-Dichlorobenzene	Ave	1.432	1.293	0.6000	0.00902	0.0100	-9.8	20.0
4-Isopropyltoluene	Ave	2.126	1.968		0.00925	0.0100	-7.5	20.0
1,4-Dichlorobenzene	Ave	1.490	1.346	0.5000	0.00903	0.0100	-9.7	20.0
n-Butylbenzene	Ave	1.732	1.588		0.00917	0.0100	-8.3	20.0
1,2-Dichlorobenzene	Ave	1.394	1.294	0.4000	0.00929	0.0100	-7.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab Sample ID: ICV 240-226738/14 Calibration Date: 04/20/2016 12:08

Instrument ID: A3UX11 Calib Start Date: 04/20/2016 09:25

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/20/2016 11:18

Lab File ID: UXJ3919.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	0.1265	0.1156	0.0500	0.00914	0.0100	-8.6	50.0
1,2,4-Trichlorobenzene	Ave	0.8993	0.7381	0.2000	0.00821	0.0100	-17.9	50.0
Hexachlorobutadiene	Ave	0.4046	0.3227		0.00798	0.0100	-20.2*	20.0
Naphthalene	Ave	1.915	1.563		0.00816	0.0100	-18.4	50.0
1,2,3-Trichlorobenzene	Ave	0.8053	0.6126		0.00761	0.0100	-23.9*	20.0
Dibromofluoromethane (Surr)	Ave	0.2304	0.2593		0.0113	0.0100	12.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2872	0.3152		0.0110	0.0100	9.8	20.0
Toluene-d8 (Surr)	Ave	1.622	1.844		0.0114	0.0100	13.7	20.0
4-Bromofluorobenzene (Surr)	Ave	0.3483	0.3867		0.0111	0.0100	11.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab Sample ID: ICV 240-226738/15 Calibration Date: 04/20/2016 14:47

Instrument ID: A3UX11 Calib Start Date: 04/20/2016 12:31

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/20/2016 14:24

Lab File ID: UXJ3926.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	0.0197	0.0213		0.108	0.100	7.7	20.0
Diisopropyl ether	Ave	0.2267	0.2431		0.0107	0.0100	7.3	20.0
2-Chloro-1,3-butadiene	Ave	0.3888	0.4018		0.0103	0.0100	3.3	20.0
Ethyl tert-butyl ether	Ave	0.6903	0.7169		0.0104	0.0100	3.8	20.0
Ethyl acetate	Ave	0.1764	0.1871		0.0212	0.0200	6.0	50.0
Propionitrile	Ave	0.0243	0.0246		0.101	0.100	1.2	20.0
Methacrylonitrile	Ave	0.1323	0.1358		0.103	0.100	2.7	20.0
Tert-amyl methyl ether	Ave	0.6160	0.6225		0.0101	0.0100	1.1	20.0
n-Butanol	Ave	0.0053	0.0048		0.223	0.250	-10.8	20.0
Methyl methacrylate	Ave	0.1805	0.1852		0.0205	0.0200	2.6	20.0
2-Nitropropane	Ave	0.0409	0.0406		0.0198	0.0200	-0.9	20.0
1-Chlorohexane	Ave	0.4151	0.3997		0.00963	0.0100	-3.7	20.0
Cyclohexanone	Ave	0.0165	0.0166		0.101	0.100	0.8	20.0
1,2,3-Trimethylbenzene	Ave	2.204	2.204		0.0100	0.0100	-0.0	20.0
1,3,5-Trichlorobenzene	Ave	0.9682	0.8891		0.00918	0.0100	-8.2	20.0
2-Methylnaphthalene	Ave	1.247	0.4679		0.00750	0.0200	-62.5*	20.0

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab File ID: BFB6509.D BFB Injection Date: 05/09/2016

Instrument ID: A3UX11 BFB Injection Time: 07:30

Analysis Batch No.: 229374

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.6	
75	30.0 - 60.0 % of mass 95	49.2	
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	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	94.1	
175	5.0 - 9.0 % of mass 174	7.3	(7.7) 1
176	95.0 - 101.0 % of mass 174	92.1	(97.8) 1
177	5.0 - 9.0 % of mass 176	5.9	(6.4) 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 240-229374/2	UXJ4427.D	05/09/2016	07:56
	CCV 240-229374/3	UXJ4429.D	05/09/2016	08:41
	LCS 240-229374/4	UXJ4430.D	05/09/2016	09:04
	MB 240-229374/6	UXJ4432.D	05/09/2016	09:49
TRIPBLANK "TB-042816"	240-64249-13	UXJ4445.D	05/09/2016	14:41

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab Sample ID: CCVIS 240-229374/2 Calibration Date: 05/09/2016 07:56

Instrument ID: A3UX11 Calib Start Date: 04/20/2016 09:25

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/20/2016 11:18

Lab File ID: UXJ4427.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	Ave	0.1736	0.2061	0.1000	0.0119	0.0100	18.8	20.0
Chloromethane	Ave	0.2332	0.2284	0.1000	0.00979	0.0100	-2.1	20.0
Vinyl chloride	Ave	0.2175	0.2130	0.1000	0.00979	0.0100	-2.1	20.0
Butadiene	Ave	0.2163	0.2297		0.0106	0.0100	6.2	20.0
Bromomethane	Ave	0.1032	0.1178	0.0500	0.0114	0.0100	14.1	20.0
Chloroethane	Ave	0.1149	0.1228	0.0500	0.0107	0.0100	6.9	20.0
Dichlorofluoromethane	Ave	0.2640	0.2796		0.0106	0.0100	5.9	20.0
Trichlorofluoromethane	Ave	0.1964	0.2432	0.1000	0.0124	0.0100	23.9*	20.0
Ethyl ether	Ave	0.2416	0.2363		0.00978	0.0100	-2.2	20.0
Acrolein	Ave	0.0244	0.0283		0.0578	0.0500	15.6	50.0
1,1,2-Trichlorotrifluoroethane	Ave	0.1194	0.1136	0.0500	0.00951	0.0100	-4.9	20.0
1,1-Dichloroethene	Ave	0.1933	0.1890	0.1000	0.00978	0.0100	-2.2	20.0
Acetone	Qua		0.0552	0.0100	0.0180	0.0200	-10.1	50.0
Iodomethane	Ave	0.2630	0.2945		0.0112	0.0100	12.0	20.0
Carbon disulfide	Ave	0.4914	0.5017	0.1000	0.0102	0.0100	2.1	20.0
3-Chloro-1-propene	Ave	0.1606	0.1827		0.0114	0.0100	13.7	20.0
Methyl acetate	Ave	0.1514	0.1313	0.1000	0.0434	0.0500	-13.3	20.0
Methylene Chloride	Lin1		0.2610	0.1000	0.0120	0.0100	19.9	50.0
tert-Butyl alcohol	Qua		0.0099		0.0814	0.100	-18.6	50.0
Acrylonitrile	Ave	0.0764	0.0686		0.0898	0.100	-10.2	20.0
Methyl tert-butyl ether	Ave	0.6769	0.6424	0.1000	0.00949	0.0100	-5.1	20.0
trans-1,2-Dichloroethene	Ave	0.2727	0.2708	0.1000	0.00993	0.0100	-0.7	20.0
Hexane	Ave	0.0595	0.0619		0.0104	0.0100	4.1	20.0
1,1-Dichloroethane	Ave	0.4826	0.4790	0.2000	0.00993	0.0100	-0.7	20.0
Vinyl acetate	Ave	0.3993	0.3843		0.00962	0.0100	-3.8	50.0
2-Butanone (MEK)	Qua		0.0688	0.0100	0.0160	0.0200	-19.9	20.0
cis-1,2-Dichloroethene	Ave	0.2836	0.2803	0.1000	0.00988	0.0100	-1.2	20.0
2,2-Dichloropropane	Ave	0.2057	0.1834		0.00892	0.0100	-10.8	20.0
Bromochloromethane	Ave	0.1310	0.1359		0.0104	0.0100	3.8	20.0
Tetrahydrofuran	Ave	0.0541	0.0434		0.0160	0.0200	-19.8	20.0
Chloroform	Ave	0.4390	0.4296	0.2000	0.00979	0.0100	-2.1	20.0
1,1,1-Trichloroethane	Ave	0.3009	0.2587	0.1000	0.00860	0.0100	-14.0	20.0
Cyclohexane	Ave	0.3324	0.2707	0.1000	0.00814	0.0100	-18.6	20.0
1,1-Dichloropropene	Ave	0.3640	0.3053		0.00839	0.0100	-16.1	20.0
Carbon tetrachloride	Ave	0.2924	0.2101	0.1000	0.00719	0.0100	-28.1*	20.0
Isobutyl alcohol	Ave	0.0079	0.0069		0.216	0.250	-13.7	20.0
1,2-Dichloroethane	Ave	0.3372	0.2995	0.1000	0.00888	0.0100	-11.2	20.0
Benzene	Ave	1.102	1.053	0.5000	0.00956	0.0100	-4.4	20.0
n-Heptane	Ave	0.0573	0.0629		0.0110	0.0100	9.8	20.0
Trichloroethene	Ave	0.2747	0.2568	0.1500	0.00935	0.0100	-6.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab Sample ID: CCVIS 240-229374/2 Calibration Date: 05/09/2016 07:56

Instrument ID: A3UX11 Calib Start Date: 04/20/2016 09:25

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/20/2016 11:18

Lab File ID: UXJ4427.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	0.3130	0.2803	0.1000	0.00895	0.0100	-10.5	20.0
1,2-Dichloropropane	Ave	0.2550	0.2414	0.1000	0.00946	0.0100	-5.4	20.0
Dibromomethane	Ave	0.1368	0.1170		0.00855	0.0100	-14.5	20.0
1,4-Dioxane	Ave	0.0013	0.0010		0.157	0.200	-21.3	50.0
Bromodichloromethane	Ave	0.2905	0.2725	0.1500	0.00938	0.0100	-6.2	20.0
2-Chloroethyl vinyl ether	Ave	0.1383	0.1153		0.0167	0.0200	-16.7	20.0
cis-1,3-Dichloropropene	Ave	0.3627	0.3443	0.1500	0.00949	0.0100	-5.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1664	0.1264	0.0500	0.0152	0.0200	-24.0*	20.0
Toluene	Ave	1.913	2.000	0.4000	0.0105	0.0100	4.5	20.0
trans-1,3-Dichloropropene	Ave	0.5393	0.5439	0.1000	0.0101	0.0100	0.8	20.0
Ethyl methacrylate	Ave	0.4536	0.4516		0.00996	0.0100	-0.4	20.0
1,1,2-Trichloroethane	Ave	0.3368	0.3290	0.1000	0.00977	0.0100	-2.3	20.0
Tetrachloroethene	Ave	0.3431	0.3377	0.1500	0.00985	0.0100	-1.5	20.0
1,3-Dichloropropane	Ave	0.6387	0.5997		0.00939	0.0100	-6.1	20.0
2-Hexanone	Ave	0.2088	0.1654	0.0500	0.0158	0.0200	-20.8*	20.0
Chlorodibromomethane	Ave	0.3313	0.3234		0.00976	0.0100	-2.4	20.0
1,2-Dibromoethane	Ave	0.3044	0.2750		0.00903	0.0100	-9.7	20.0
Chlorobenzene	Ave	1.017	0.9517	0.3000	0.00936	0.0100	-6.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3289	0.3145		0.00956	0.0100	-4.4	20.0
Ethylbenzene	Ave	0.5153	0.4869		0.00945	0.0100	-5.5	20.0
m-Xylene & p-Xylene	Ave	0.6121	0.5678		0.00928	0.0100	-7.2	20.0
o-Xylene	Ave	0.5540	0.5208		0.00940	0.0100	-6.0	20.0
Styrene	Ave	0.9423	0.8991	0.3000	0.00954	0.0100	-4.6	20.0
Bromoform	Ave	0.1416	0.1376	0.1000	0.00972	0.0100	-2.8	20.0
Isopropylbenzene	Ave	1.194	1.091	0.1000	0.00914	0.0100	-8.6	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7065	0.5251	0.3000	0.00743	0.0100	-25.7*	20.0
Bromobenzene	Ave	0.8748	0.7580		0.00866	0.0100	-13.4	20.0
1,2,3-Trichloropropane	Ave	0.2415	0.1770		0.00733	0.0100	-26.7*	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1856	0.1361		0.00733	0.0100	-26.7*	20.0
N-Propylbenzene	Ave	0.8245	0.6644		0.00806	0.0100	-19.4	20.0
2-Chlorotoluene	Ave	0.7374	0.6180		0.00838	0.0100	-16.2	20.0
1,3,5-Trimethylbenzene	Ave	2.144	1.951		0.00910	0.0100	-9.0	20.0
4-Chlorotoluene	Ave	0.7829	0.6723		0.00859	0.0100	-14.1	20.0
tert-Butylbenzene	Ave	1.803	1.552		0.00861	0.0100	-13.9	20.0
1,2,4-Trimethylbenzene	Ave	2.265	2.113		0.00933	0.0100	-6.7	20.0
sec-Butylbenzene	Ave	2.370	2.097		0.00885	0.0100	-11.5	20.0
1,3-Dichlorobenzene	Ave	1.432	1.357	0.6000	0.00948	0.0100	-5.2	20.0
4-Isopropyltoluene	Ave	2.126	1.977		0.00930	0.0100	-7.0	20.0
1,4-Dichlorobenzene	Ave	1.490	1.430	0.5000	0.00960	0.0100	-4.0	20.0
n-Butylbenzene	Ave	1.732	1.575		0.00909	0.0100	-9.1	20.0
1,2-Dichlorobenzene	Ave	1.394	1.315	0.4000	0.00944	0.0100	-5.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab Sample ID: CCVIS 240-229374/2 Calibration Date: 05/09/2016 07:56

Instrument ID: A3UX11 Calib Start Date: 04/20/2016 09:25

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/20/2016 11:18

Lab File ID: UXJ4427.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	0.1265	0.1023	0.0500	0.00809	0.0100	-19.1	50.0
1,2,4-Trichlorobenzene	Ave	0.8993	0.7343	0.2000	0.00817	0.0100	-18.3	50.0
Hexachlorobutadiene	Ave	0.4046	0.3653		0.00903	0.0100	-9.7	20.0
Naphthalene	Ave	1.915	1.303		0.00681	0.0100	-31.9	50.0
1,2,3-Trichlorobenzene	Ave	0.8053	0.5923		0.00735	0.0100	-26.5*	20.0
Dibromofluoromethane (Surr)	Ave	0.2304	0.2042		0.0106	0.0120	-11.4	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2872	0.2377		0.00990	0.0120	-17.2	20.0
Toluene-d8 (Surr)	Ave	1.622	1.561		0.0115	0.0120	-3.7	20.0
4-Bromofluorobenzene (Surr)	Ave	0.3483	0.3017		0.0104	0.0120	-13.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab Sample ID: CCV 240-229374/3 Calibration Date: 05/09/2016 08:41

Instrument ID: A3UX11 Calib Start Date: 04/20/2016 12:31

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/20/2016 14:24

Lab File ID: UXJ4429.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	0.0197	0.0193		0.0976	0.100	-2.4	20.0
Diisopropyl ether	Ave	0.2267	0.2383		0.0105	0.0100	5.1	20.0
2-Chloro-1,3-butadiene	Ave	0.3888	0.3952		0.0102	0.0100	1.7	20.0
Ethyl tert-butyl ether	Ave	0.6903	0.7059		0.0102	0.0100	2.3	20.0
Ethyl acetate	Ave	0.1764	0.1590		0.0180	0.0200	-9.8	50.0
Propionitrile	Ave	0.0243	0.0228		0.0937	0.100	-6.3	20.0
Methacrylonitrile	Ave	0.1323	0.1238		0.0936	0.100	-6.4	20.0
Tert-amyl methyl ether	Ave	0.6160	0.6140		0.00997	0.0100	-0.3	20.0
n-Butanol	Ave	0.0053	0.0042		0.197	0.250	-21.3*	20.0
Methyl methacrylate	Ave	0.1805	0.1632		0.0181	0.0200	-9.6	20.0
2-Nitropropane	Ave	0.0409	0.0348		0.0170	0.0200	-15.0	20.0
1-Chlorohexane	Ave	0.4151	0.3713		0.00895	0.0100	-10.5	20.0
Cyclohexanone	Ave	0.0165	0.0118		0.0716	0.100	-28.4*	20.0
1,2,3-Trimethylbenzene	Ave	2.204	2.119		0.00961	0.0100	-3.9	20.0
1,3,5-Trichlorobenzene	Ave	0.9682	0.9125		0.00942	0.0100	-5.8	20.0
2-Methylnaphthalene	Ave	1.247	0.3745		0.00601	0.0200	-70.0*	20.0

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab File ID: BFB6513.D BFB Injection Date: 05/13/2016

Instrument ID: A3UX11 BFB Injection Time: 08:17

Analysis Batch No.: 230196

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.3	
75	30.0 - 60.0 % of mass 95	49.2	
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	0.4	(0.4) 1
174	50.0 - 120.00 % of mass 95	96.5	
175	5.0 - 9.0 % of mass 174	7.0	(7.2) 1
176	95.0 - 101.0 % of mass 174	93.5	(97.0) 1
177	5.0 - 9.0 % of mass 176	6.2	(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 240-230196/2	UXJ4602.D	05/13/2016	09:07
	LCS 240-230196/4	UXJ4603.D	05/13/2016	09:30
	CCV 240-230196/3	UXJ4604.D	05/13/2016	09:52
	MB 240-230196/6	UXJ4606.D	05/13/2016	10:38
TB-050516	240-64493-15	UXJ4613.D	05/13/2016	13:15

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab Sample ID: CCVIS 240-230196/2 Calibration Date: 05/13/2016 09:07

Instrument ID: A3UX11 Calib Start Date: 04/20/2016 09:25

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/20/2016 11:18

Lab File ID: UXJ4602.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	Ave	0.1736	0.1793	0.1000	0.0103	0.0100	3.3	20.0
Chloromethane	Ave	0.2332	0.2565	0.1000	0.0110	0.0100	10.0	20.0
Vinyl chloride	Ave	0.2175	0.2173	0.1000	0.00999	0.0100	-0.1	20.0
Butadiene	Ave	0.2163	0.2084		0.00963	0.0100	-3.7	20.0
Bromomethane	Ave	0.1032	0.0970	0.0500	0.00939	0.0100	-6.1	20.0
Chloroethane	Ave	0.1149	0.1156	0.0500	0.0101	0.0100	0.7	20.0
Dichlorofluoromethane	Ave	0.2640	0.2751		0.0104	0.0100	4.2	20.0
Trichlorofluoromethane	Ave	0.1964	0.2419	0.1000	0.0123	0.0100	23.2*	20.0
Ethyl ether	Ave	0.2416	0.2282		0.00945	0.0100	-5.5	20.0
Acrolein	Ave	0.0244	0.0312		0.0638	0.0500	27.5	50.0
1,1-Dichloroethene	Ave	0.1933	0.1948	0.1000	0.0101	0.0100	0.7	20.0
1,1,2-Trichlorotrifluoroethane	Ave	0.1194	0.1230	0.0500	0.0103	0.0100	3.0	20.0
Acetone	Qua		0.0650	0.0100	0.0222	0.0200	11.2	50.0
Iodomethane	Ave	0.2630	0.2568		0.00977	0.0100	-2.3	20.0
Carbon disulfide	Ave	0.4914	0.4748	0.1000	0.00966	0.0100	-3.4	20.0
3-Chloro-1-propene	Ave	0.1606	0.1719		0.0107	0.0100	7.0	20.0
Methyl acetate	Ave	0.1514	0.1250	0.1000	0.0413	0.0500	-17.4	20.0
Methylene Chloride	Lin1		0.2392	0.1000	0.0109	0.0100	8.8	50.0
tert-Butyl alcohol	Qua		0.0091		0.0743	0.100	-25.7	50.0
Acrylonitrile	Ave	0.0764	0.0658		0.0861	0.100	-13.9	20.0
Methyl tert-butyl ether	Ave	0.6769	0.6216	0.1000	0.00918	0.0100	-8.2	20.0
trans-1,2-Dichloroethene	Ave	0.2727	0.2684	0.1000	0.00984	0.0100	-1.6	20.0
Hexane	Ave	0.0595	0.0554		0.00932	0.0100	-6.8	20.0
1,1-Dichloroethane	Ave	0.4826	0.4566	0.2000	0.00946	0.0100	-5.4	20.0
Vinyl acetate	Ave	0.3993	0.3449		0.00864	0.0100	-13.6	50.0
cis-1,2-Dichloroethene	Ave	0.2836	0.2711	0.1000	0.00956	0.0100	-4.4	20.0
2,2-Dichloropropane	Ave	0.2057	0.1870		0.00909	0.0100	-9.1	20.0
2-Butanone (MEK)	Qua		0.0694	0.0100	0.0162	0.0200	-19.2	20.0
Bromochloromethane	Ave	0.1310	0.1267		0.00967	0.0100	-3.3	20.0
Tetrahydrofuran	Ave	0.0541	0.0433		0.0160	0.0200	-19.9	20.0
Chloroform	Ave	0.4390	0.4186	0.2000	0.00953	0.0100	-4.7	20.0
1,1,1-Trichloroethane	Ave	0.3009	0.2787	0.1000	0.00926	0.0100	-7.4	20.0
Cyclohexane	Ave	0.3324	0.2896	0.1000	0.00871	0.0100	-12.9	20.0
1,1-Dichloropropene	Ave	0.3640	0.3349		0.00920	0.0100	-8.0	20.0
Carbon tetrachloride	Ave	0.2924	0.2753	0.1000	0.00941	0.0100	-5.9	20.0
Isobutyl alcohol	Ave	0.0079	0.0061		0.191	0.250	-23.4*	20.0
1,2-Dichloroethane	Ave	0.3372	0.3015	0.1000	0.00894	0.0100	-10.6	20.0
Benzene	Ave	1.102	1.047	0.5000	0.00950	0.0100	-5.0	20.0
n-Heptane	Ave	0.0573	0.0491		0.00857	0.0100	-14.3	20.0
Trichloroethene	Ave	0.2747	0.2662	0.1500	0.00969	0.0100	-3.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab Sample ID: CCVIS 240-230196/2 Calibration Date: 05/13/2016 09:07

Instrument ID: A3UX11 Calib Start Date: 04/20/2016 09:25

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/20/2016 11:18

Lab File ID: UXJ4602.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	0.3130	0.2798	0.1000	0.00894	0.0100	-10.6	20.0
1,2-Dichloropropane	Ave	0.2550	0.2397	0.1000	0.00940	0.0100	-6.0	20.0
Dibromomethane	Ave	0.1368	0.1167		0.00853	0.0100	-14.7	20.0
1,4-Dioxane	Ave	0.0013	0.0010		0.146	0.200	-27.0	50.0
Bromodichloromethane	Ave	0.2905	0.2786	0.1500	0.00959	0.0100	-4.1	20.0
2-Chloroethyl vinyl ether	Ave	0.1383	0.1129		0.0163	0.0200	-18.4	20.0
cis-1,3-Dichloropropene	Ave	0.3627	0.3373	0.1500	0.00930	0.0100	-7.0	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1664	0.1240	0.0500	0.0149	0.0200	-25.5*	20.0
Toluene	Ave	1.913	1.908	0.4000	0.00997	0.0100	-0.3	20.0
trans-1,3-Dichloropropene	Ave	0.5393	0.5204	0.1000	0.00965	0.0100	-3.5	20.0
Ethyl methacrylate	Ave	0.4536	0.4176		0.00921	0.0100	-7.9	20.0
1,1,2-Trichloroethane	Ave	0.3368	0.3082	0.1000	0.00915	0.0100	-8.5	20.0
Tetrachloroethene	Ave	0.3431	0.3487	0.1500	0.0102	0.0100	1.6	20.0
1,3-Dichloropropane	Ave	0.6387	0.5760		0.00902	0.0100	-9.8	20.0
2-Hexanone	Ave	0.2088	0.1650	0.0500	0.0158	0.0200	-21.0*	20.0
Chlorodibromomethane	Ave	0.3313	0.3178		0.00959	0.0100	-4.1	20.0
1,2-Dibromoethane	Ave	0.3044	0.2724		0.00895	0.0100	-10.5	20.0
Chlorobenzene	Ave	1.017	0.9562	0.3000	0.00941	0.0100	-5.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3289	0.3064		0.00932	0.0100	-6.8	20.0
Ethylbenzene	Ave	0.5153	0.4927		0.00956	0.0100	-4.4	20.0
m-Xylene & p-Xylene	Ave	0.6121	0.5681		0.00928	0.0100	-7.2	20.0
o-Xylene	Ave	0.5540	0.5069		0.00915	0.0100	-8.5	20.0
Styrene	Ave	0.9423	0.8480	0.3000	0.00900	0.0100	-10.0	20.0
Bromoform	Ave	0.1416	0.1248	0.1000	0.00882	0.0100	-11.8	20.0
Isopropylbenzene	Ave	1.194	1.065	0.1000	0.00892	0.0100	-10.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7065	0.5122	0.3000	0.00725	0.0100	-27.5*	20.0
Bromobenzene	Ave	0.8748	0.7535		0.00861	0.0100	-13.9	20.0
1,2,3-Trichloropropane	Ave	0.2415	0.1663		0.00689	0.0100	-31.1*	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1856	0.1163		0.00627	0.0100	-37.3*	20.0
N-Propylbenzene	Ave	0.8245	0.6893		0.00836	0.0100	-16.4	20.0
2-Chlorotoluene	Ave	0.7374	0.6126		0.00831	0.0100	-16.9	20.0
1,3,5-Trimethylbenzene	Ave	2.144	1.927		0.00899	0.0100	-10.1	20.0
4-Chlorotoluene	Ave	0.7829	0.6724		0.00859	0.0100	-14.1	20.0
tert-Butylbenzene	Ave	1.803	1.537		0.00853	0.0100	-14.7	20.0
1,2,4-Trimethylbenzene	Ave	2.265	2.045		0.00903	0.0100	-9.7	20.0
sec-Butylbenzene	Ave	2.370	2.124		0.00896	0.0100	-10.4	20.0
1,3-Dichlorobenzene	Ave	1.432	1.304	0.6000	0.00911	0.0100	-8.9	20.0
4-Isopropyltoluene	Ave	2.126	1.966		0.00925	0.0100	-7.5	20.0
1,4-Dichlorobenzene	Ave	1.490	1.375	0.5000	0.00923	0.0100	-7.7	20.0
n-Butylbenzene	Ave	1.732	1.589		0.00917	0.0100	-8.3	20.0
1,2-Dichlorobenzene	Ave	1.394	1.295	0.4000	0.00929	0.0100	-7.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab Sample ID: CCVIS 240-230196/2 Calibration Date: 05/13/2016 09:07

Instrument ID: A3UX11 Calib Start Date: 04/20/2016 09:25

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/20/2016 11:18

Lab File ID: UXJ4602.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	0.1265	0.0917	0.0500	0.00725	0.0100	-27.5	50.0
1,2,4-Trichlorobenzene	Ave	0.8993	0.7309	0.2000	0.00813	0.0100	-18.7	50.0
Hexachlorobutadiene	Ave	0.4046	0.3679		0.00909	0.0100	-9.1	20.0
Naphthalene	Ave	1.915	1.226		0.00640	0.0100	-36.0	50.0
1,2,3-Trichlorobenzene	Ave	0.8053	0.5731		0.00712	0.0100	-28.8*	20.0
Dibromofluoromethane (Surr)	Ave	0.2304	0.2141		0.0111	0.0120	-7.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2872	0.2449		0.0102	0.0120	-14.7	20.0
Toluene-d8 (Surr)	Ave	1.622	1.551		0.0114	0.0120	-4.4	20.0
4-Bromofluorobenzene (Surr)	Ave	0.3483	0.3038		0.0104	0.0120	-12.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab Sample ID: CCV 240-230196/3 Calibration Date: 05/13/2016 09:52

Instrument ID: A3UX11 Calib Start Date: 04/20/2016 12:31

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/20/2016 14:24

Lab File ID: UXJ4604.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	0.0197	0.0199		0.101	0.100	0.7	20.0
Diisopropyl ether	Ave	0.2267	0.2365		0.0104	0.0100	4.3	20.0
2-Chloro-1,3-butadiene	Ave	0.3888	0.3798		0.00977	0.0100	-2.3	20.0
Ethyl tert-butyl ether	Ave	0.6903	0.7336		0.0106	0.0100	6.3	20.0
Ethyl acetate	Ave	0.1764	0.1571		0.0178	0.0200	-10.9	50.0
Propionitrile	Ave	0.0243	0.0226		0.0926	0.100	-7.4	20.0
Methacrylonitrile	Ave	0.1323	0.1230		0.0930	0.100	-7.0	20.0
Tert-amyl methyl ether	Ave	0.6160	0.6121		0.00994	0.0100	-0.6	20.0
n-Butanol	Ave	0.0053	0.0041		0.190	0.250	-24.1*	20.0
Methyl methacrylate	Ave	0.1805	0.1654		0.0183	0.0200	-8.4	20.0
2-Nitropropane	Ave	0.0409	0.0389		0.0190	0.0200	-4.9	20.0
1-Chlorohexane	Ave	0.4151	0.3418		0.00823	0.0100	-17.7	20.0
Cyclohexanone	Ave	0.0165	0.0119		0.0723	0.100	-27.7*	20.0
1,2,3-Trimethylbenzene	Ave	2.204	2.312		0.0105	0.0100	4.9	20.0
1,3,5-Trichlorobenzene	Ave	0.9682	1.011		0.0104	0.0100	4.5	20.0
2-Methylnaphthalene	Ave	1.247	0.3985		0.00639	0.0200	-68.0*	20.0

COVER PAGE
METALS

Lab Name: TestAmerica Canton Job Number: 240-64249-1

SDG No.:

Project: MSA Tree Tissue Sampling

Client Sample ID	Lab Sample ID
DR-TS1-042816	240-64249-1
DR-TS2-042816	240-64249-2
DR-TS3-042816	240-64249-3
DR-TS4-042816	240-64249-4
DR-TS5-042816	240-64249-5
DR-TS6-042816	240-64249-6
DR-TS7-042816	240-64249-7
DR-TS8-042816	240-64249-8
DR-TS9-042816	240-64249-9
DR-TS10-042816	240-64249-10
DR-TS11-042816	240-64249-11
DR-TS12-042816	240-64249-12
DR-TG1S-050516	240-64493-1
DR-TG1N-050516	240-64493-2
DR-TG2S-050516	240-64493-3
DR-TG2N-050516	240-64493-4
DR-TG3S-050516	240-64493-5
DR-TG3N-050516	240-64493-6
DR-TL8N-050516	240-64493-7
DR-TL8S-050516	240-64493-8
DR-TL7S-050516	240-64493-9
DR-TL7N-050516	240-64493-10
DR-TL17S-050516	240-64493-11
DR-TL17N-050516	240-64493-12
DR-TL5S-050516	240-64493-13
DR-TL5N-050516	240-64493-14

Comments:

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-64249-1

SDG Number:

Matrix: Solid Instrument ID: I9

Method: 6010C MDL Date: 09/09/2014 14:47

Prep Method: 3050B

Processed Method: Part Size Red

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Antimony	206.838	2	0.48
Arsenic	189.042	1.5	0.41
Beryllium	313.042	0.5	0.026
Cadmium	226.502	0.5	0.021
Chromium	267.716	1	0.075
Copper	324.753	2.5	0.23
Lead	220.353	1	0.2
Nickel	231.604	4	0.08
Selenium	196.026	2	0.34
Silver	328.068	1	0.063
Thallium	190.864	2	0.13
Zinc	213.856	5	0.56

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-64249-1

SDG Number:

Matrix: Solid Instrument ID: I9

Method: 6010C XMDL Date: 09/09/2014 14:47

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Antimony	206.838	20	2.4
Arsenic	189.042	15	2.9
Beryllium	313.042	5	0.13
Cadmium	226.502	5	0.14
Chromium	267.716	10	0.55
Copper	324.753	25	1.9
Lead	220.353	10	1.9
Nickel	231.604	40	0.76
Selenium	196.026	20	4
Silver	328.068	10	0.92
Thallium	190.864	20	1.7
Zinc	213.856	50	9.6

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-64249-1

SDG Number:

Matrix: Solid Instrument ID: H1

Method: 7471A MDL Date: 09/17/2014 14:20

Prep Method: 7471A

Processed Method: Part Size Red

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Mercury	253.7	0.1	0.014

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-64249-1

SDG Number:

Matrix: Solid Instrument ID: H1

Method: 7471A XMDL Date: 09/17/2014 14:15

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury	253.7	0.6	0.09

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Canton Job Number: 240-64249-1

SDG No.:

ICP-AES Instrument ID: I9 Date: 02/23/2016

Analyte	Wave Length	Al	As	Ca	Co	Cr	Cu	Fe	Mn	Mo	Ni	Si	Ti	Tl	V
Aluminum										0.016774					0.022189
Antimony		-0.000066			0.000057			-0.000015							0.002792
Arsenic		0.00002			-0.000415	0.000782			-0.000355	0.002551					
Barium															
Beryllium															0.000029
Boron															
Cadmium			0.010288					-0.000004							
Calcium															
Chromium															
Cobalt													0.002140		
Copper				0.000018	0.000199			0.000009							
Iron															
Lead		-0.000108					0.000101	0.000044			0.000131	0.000064			
Lithium															
Magnesium															
Manganese															
Molybdenum															
Nickel					0.000518			0.000057							
Potassium															
Selenium		-0.000013							0.000338						
Silver															
Sodium															
Strontium															
Thallium		0.000012			0.003074			-0.000019	-0.002934						0.001707
Tin															
Titanium															
Vanadium								0.000038							
Zinc						-0.001092									

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Canton Job No: 240-64249-1

SDG No.:

Instrument ID: I9 Date: 02/25/2016 13:19

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Antimony		10000	6010C
Arsenic		5000	6010C
Beryllium		4000	6010C
Cadmium		2000	6010C
Chromium		20000	6010C
Copper		30000	6010C
Nickel		30000	6010C
Lead		15000	6010C
Selenium		10000	6010C
Thallium		10000	6010C
Silver		2000	6010C
Zinc		10000	6010C

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Canton Job No: 240-64249-1

SDG No.:

Instrument ID: H1 Date: 12/10/2013 15:54

Analyte	Integ. Time (Sec.)	Concentration (ppb)	Method
Mercury		10	7471A

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 05/09/2016 09:18 End Date: 05/10/2016 05:12

Lab Sample Id	D/F	Type	Time	Analytes																								
				Ag	As	Be	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl	Zn														
ICIS 240-229578/1	1		09:18	X	X	X	X	X	X	X	X	X	X	X	X													
CALSTD 240-229578/2 IC			09:22	X	X	X	X	X	X	X	X	X	X	X	X													
CALSTD 240-229578/3 IC			09:26	X	X	X	X	X	X	X	X	X	X	X	X													
ICV 240-229578/4	1		09:30	X	X	X	X	X	X	X	X	X	X	X	X													
ICB 240-229578/5	1		09:34	X	X	X	X	X	X	X	X	X	X	X	X													
CRI 240-229578/6			09:38																									
CRI 240-229578/7			09:42																									
ICSA 240-229578/8	1		09:46	X	X	X	X	X	X	X	X	X	X	X	X													
ICSAB 240-229578/9	1		09:51	X	X	X	X	X	X	X	X	X	X	X	X													
CCV 240-229578/10			09:54																									
CCB 240-229578/11			09:58																									
ZZZZZZ			10:02																									
ZZZZZZ			10:07																									
ZZZZZZ			10:11																									
ZZZZZZ			10:15																									
ZZZZZZ			10:19																									
ZZZZZZ			10:23																									
CCV 240-229578/18			10:30																									
CCB 240-229578/19			10:34																									
CRI 240-229578/20	1		10:39	X	X	X	X	X	X	X	X	X	X	X	X													
ZZZZZZ			10:43																									
ZZZZZZ			10:47																									
ZZZZZZ			10:51																									
ZZZZZZ			10:55																									
ZZZZZZ			10:59																									
ZZZZZZ			11:03																									
ZZZZZZ			11:07																									
ZZZZZZ			11:11																									
ZZZZZZ			11:15																									
CCV 240-229578/30			11:19																									
CCB 240-229578/31			11:23																									
ZZZZZZ			11:27																									
ZZZZZZ			11:31																									
ZZZZZZ			11:34																									
ZZZZZZ			11:39																									
ZZZZZZ			11:43																									
ZZZZZZ			11:47																									
ZZZZZZ			11:52																									
ZZZZZZ			11:56																									
ZZZZZZ			12:00																									
ZZZZZZ			12:04																									
CCV 240-229578/42	1		12:09	X	X	X	X	X	X	X	X	X	X	X	X													

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 05/09/2016 09:18 End Date: 05/10/2016 05:12

Lab Sample Id	D/F	Type	Time	Analytes																											
				Ag	As	Be	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl	Zn																
CCB 240-229578/43	1		12:13	X	X	X	X	X	X	X	X	X	X	X	X																
ZZZZZZ			12:17																												
ZZZZZZ			12:21																												
ZZZZZZ			12:25																												
ZZZZZZ			12:29																												
ZZZZZZ			12:33																												
ZZZZZZ			12:37																												
ZZZZZZ			12:42																												
CRI 240-229578/51			12:46																												
MB 240-228827/1-A	1	T	12:50	X	X	X	X	X	X	X	X	X	X	X	X																
LCS 240-228827/2-A	1	T	12:54	X	X	X	X	X	X	X	X	X	X	X	X																
CCV 240-229578/54	1		12:58	X	X	X	X	X	X	X	X	X	X	X	X																
CCB 240-229578/55	1		13:02	X	X	X	X	X	X	X	X	X	X	X	X																
240-64249-1	1	T	13:06	X	X	X	X	X	X	X	X	X	X	X	X																
240-64249-1 SD	5	T	13:10	X	X	X	X	X	X	X	X	X	X	X	X																
ZZZZZZ			13:14																												
240-64249-1 MS	1	T	13:18	X	X	X	X	X	X	X	X	X	X	X	X																
240-64249-1 MSD	1	T	13:21	X	X	X	X	X	X	X	X	X	X	X	X																
240-64249-2	1	T	13:25	X	X	X	X	X	X	X	X	X	X	X	X																
240-64249-3	1	T	13:29	X	X	X	X	X	X	X	X	X	X	X	X																
240-64249-4	1	T	13:33	X	X	X	X	X	X	X	X	X	X	X	X																
240-64249-5	1	T	13:37	X	X	X	X	X	X	X	X	X	X	X	X																
240-64249-6	1	T	13:41	X	X	X	X	X	X	X	X	X	X	X	X																
CCV 240-229578/66	1		13:46	X	X	X	X	X	X	X	X	X	X	X	X																
CCB 240-229578/67	1		13:49	X	X	X	X	X	X	X	X	X	X	X	X																
240-64249-7	1	T	13:54	X	X	X	X	X	X	X	X	X	X	X	X																
240-64249-8	1	T	13:58	X	X	X	X	X	X	X	X	X	X	X	X																
240-64249-9	1	T	14:02	X	X	X	X	X	X	X	X	X	X	X	X																
240-64249-10	1	T	14:06	X	X	X	X	X	X	X	X	X	X	X	X																
240-64249-11	1	T	14:10	X	X	X	X	X	X	X	X	X	X	X	X																
240-64249-12	1	T	14:14	X	X	X	X	X	X	X	X	X	X	X	X																
CRI 240-229578/74	1		14:18	X	X	X	X	X	X	X	X	X	X	X	X																
ZZZZZZ			14:22																												
ZZZZZZ			14:26																												
ZZZZZZ			14:31																												
CCV 240-229578/78	1		14:34	X	X	X	X	X	X	X	X	X	X	X	X																
CCB 240-229578/79	1		14:38	X	X	X	X	X	X	X	X	X	X	X	X																
ZZZZZZ			14:42																												
ZZZZZZ			14:46																												
ZZZZZZ			14:50																												
ZZZZZZ			14:54																												
ZZZZZZ			14:58																												

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 05/09/2016 09:18 End Date: 05/10/2016 05:12

Lab Sample Id	D/F	Type	Time	Analytes																								
				Ag	As	Be	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl	Zn														
ZZZZZZ			15:01																									
ZZZZZZ			15:05																									
ZZZZZZ			15:10																									
ZZZZZZ			15:14																									
ZZZZZZ			15:18																									
CCV 240-229578/90			15:22																									
CCB 240-229578/91			15:26																									
ZZZZZZ			15:30																									
ZZZZZZ			15:34																									
ZZZZZZ			15:38																									
ZZZZZZ			15:42																									
ZZZZZZ			15:46																									
ZZZZZZ			15:50																									
ZZZZZZ			15:54																									
ZZZZZZ			15:58																									
ZZZZZZ			16:02																									
ZZZZZZ			16:05																									
CCV 240-229578/102			16:09																									
CCB 240-229578/103			16:13																									
ZZZZZZ			16:17																									
ZZZZZZ			16:21																									
ZZZZZZ			16:25																									
ZZZZZZ			16:29																									
ZZZZZZ			16:33																									
ZZZZZZ			16:37																									
ZZZZZZ			16:41																									
ZZZZZZ			16:46																									
ZZZZZZ			16:50																									
ZZZZZZ			16:54																									
CCV 240-229578/114			16:58																									
CCB 240-229578/115			17:02																									
ZZZZZZ			17:06																									
ZZZZZZ			17:10																									
ZZZZZZ			17:14																									
ZZZZZZ			17:18																									
ZZZZZZ			17:22																									
ZZZZZZ			17:26																									
ZZZZZZ			17:30																									
ZZZZZZ			17:34																									
ZZZZZZ			17:38																									
ZZZZZZ			17:41																									
CCV 240-229578/126			17:45																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 05/09/2016 09:18 End Date: 05/10/2016 05:12

Lab Sample Id	D/F	Type	Time	Analytes																								
				Ag	As	Be	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl	Zn														
CCB 240-229578/127			17:49																									
ZZZZZZ			17:53																									
ZZZZZZ			17:57																									
ZZZZZZ			18:01																									
ZZZZZZ			18:05																									
ZZZZZZ			18:10																									
ZZZZZZ			18:14																									
ZZZZZZ			18:18																									
ZZZZZZ			18:22																									
ZZZZZZ			18:26																									
ZZZZZZ			18:30																									
CCV 240-229578/138			18:34																									
CCB 240-229578/139			18:38																									
ZZZZZZ			18:42																									
ZZZZZZ			18:46																									
ZZZZZZ			18:50																									
ZZZZZZ			18:55																									
ZZZZZZ			18:59																									
ZZZZZZ			19:03																									
ZZZZZZ			19:07																									
ZZZZZZ			19:11																									
ZZZZZZ			19:15																									
ZZZZZZ			19:19																									
CCV 240-229578/150			19:23																									
CCB 240-229578/151			19:26																									
ZZZZZZ			19:31																									
ZZZZZZ			19:34																									
ZZZZZZ			19:38																									
ZZZZZZ			19:42																									
ZZZZZZ			19:47																									
ZZZZZZ			19:51																									
ZZZZZZ			19:55																									
ZZZZZZ			19:59																									
ZZZZZZ			20:03																									
ZZZZZZ			20:07																									
CCV 240-229578/162			20:11																									
CCB 240-229578/163			20:15																									
ZZZZZZ			20:19																									
ZZZZZZ			20:23																									
ZZZZZZ			20:27																									
ZZZZZZ			20:31																									
ZZZZZZ			20:35																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 05/09/2016 09:18 End Date: 05/10/2016 05:12

Lab Sample Id	D/F	Type	Time	Analytes																								
				Ag	As	Be	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl	Zn														
ZZZZZZ			20:39																									
ZZZZZZ			20:43																									
ZZZZZZ			20:47																									
ZZZZZZ			20:51																									
ZZZZZZ			20:56																									
CCV 240-229578/174			21:00																									
CCB 240-229578/175			21:04																									
ZZZZZZ			21:08																									
ZZZZZZ			21:12																									
ZZZZZZ			21:16																									
ZZZZZZ			21:20																									
ZZZZZZ			21:24																									
ZZZZZZ			21:28																									
ZZZZZZ			21:31																									
ZZZZZZ			21:35																									
ZZZZZZ			21:39																									
ZZZZZZ			21:43																									
CCV 240-229578/186			21:47																									
CCB 240-229578/187			21:51																									
ZZZZZZ			21:55																									
ZZZZZZ			22:00																									
ZZZZZZ			22:04																									
ZZZZZZ			22:08																									
ZZZZZZ			22:12																									
ZZZZZZ			22:16																									
ZZZZZZ			22:20																									
ZZZZZZ			22:24																									
ZZZZZZ			22:28																									
ZZZZZZ			22:32																									
CCV 240-229578/198			22:37																									
CCB 240-229578/199			22:41																									
ZZZZZZ			22:45																									
ZZZZZZ			22:49																									
ZZZZZZ			22:53																									
ZZZZZZ			22:57																									
ZZZZZZ			23:01																									
ZZZZZZ			23:04																									
ZZZZZZ			23:08																									
ZZZZZZ			23:12																									
ZZZZZZ			23:16																									
ZZZZZZ			23:20																									
CCV 240-229578/210			23:25																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 05/09/2016 09:18 End Date: 05/10/2016 05:12

Lab Sample Id	D/F	Type	Time	Analytes																									
				Ag	As	Be	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl	Zn															
CCB 240-229578/211			23:29																										
ZZZZZZ			23:33																										
ZZZZZZ			23:37																										
ZZZZZZ			23:41																										
ZZZZZZ			23:45																										
ZZZZZZ			23:49																										
ZZZZZZ			23:54																										
ZZZZZZ			23:58																										
ZZZZZZ			00:02																										
ZZZZZZ			00:06																										
ZZZZZZ			00:10																										
CCV 240-229578/222			00:14																										
CCB 240-229578/223			00:18																										
ZZZZZZ			00:23																										
ZZZZZZ			00:27																										
ZZZZZZ			00:31																										
ZZZZZZ			00:35																										
ZZZZZZ			00:39																										
ZZZZZZ			00:43																										
ZZZZZZ			00:47																										
ZZZZZZ			00:51																										
ZZZZZZ			00:56																										
ZZZZZZ			01:00																										
CCV 240-229578/234			01:04																										
CCB 240-229578/235			01:08																										
ZZZZZZ			01:12																										
ZZZZZZ			01:17																										
ZZZZZZ			01:21																										
ZZZZZZ			01:26																										
ZZZZZZ			01:30																										
ZZZZZZ			01:35																										
ZZZZZZ			01:39																										
ZZZZZZ			01:43																										
ZZZZZZ			01:48																										
ZZZZZZ			01:52																										
CCV 240-229578/246			01:57																										
CCB 240-229578/247			02:01																										
ZZZZZZ			02:05																										
ZZZZZZ			02:09																										
ZZZZZZ			02:13																										
ZZZZZZ			02:17																										
ZZZZZZ			02:21																										

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 05/09/2016 09:18 End Date: 05/10/2016 05:12

Lab Sample Id	D/F	Type	Time	Analytes																								
				Ag	As	Be	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl	Zn														
ZZZZZZ			02:25																									
ZZZZZZ			02:30																									
ZZZZZZ			02:34																									
ZZZZZZ			02:38																									
ZZZZZZ			02:42																									
CCV 240-229578/258			02:46																									
CCB 240-229578/259			02:50																									
ZZZZZZ			02:54																									
ZZZZZZ			02:58																									
ZZZZZZ			03:03																									
ZZZZZZ			03:07																									
ZZZZZZ			03:11																									
ZZZZZZ			03:15																									
ZZZZZZ			03:19																									
ZZZZZZ			03:23																									
ZZZZZZ			03:28																									
ZZZZZZ			03:32																									
CCV 240-229578/270			03:36																									
CCB 240-229578/271			03:40																									
ZZZZZZ			03:44																									
ZZZZZZ			03:48																									
ZZZZZZ			03:52																									
ZZZZZZ			03:56																									
ZZZZZZ			04:00																									
ZZZZZZ			04:04																									
ZZZZZZ			04:07																									
ZZZZZZ			04:11																									
ZZZZZZ			04:15																									
ZZZZZZ			04:19																									
CCV 240-229578/282			04:23																									
CCB 240-229578/283			04:27																									
ZZZZZZ			04:31																									
ZZZZZZ			04:35																									
ZZZZZZ			04:40																									
ZZZZZZ			04:44																									
ZZZZZZ			04:48																									
ZZZZZZ			04:52																									
ZZZZZZ			04:56																									
ZZZZZZ			05:00																									
ZZZZZZ			05:04																									
CCV 240-229578/293			05:08																									
CCB 240-229578/294			05:12																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 05/09/2016 09:18 End Date: 05/10/2016 05:12

Lab Sample Id	D/F	Type	Time	Analytes																								
				Ag	As	Be	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl	Zn														

Prep Types:
T = Total/NA

FORM XIII-IN

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

ICV Source: MT6500ICV_00031 Concentration Units: ug/L

CCV Source: MTICPCCV_00071

Analyte	ICV 240-229578/4 05/09/2016 09:30				CCV 240-229578/42 05/09/2016 12:09				CCV 240-229578/54 05/09/2016 12:58			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	381		375	102	523		500	105	519		500	104
Arsenic	379		375	101	520		500	104	516		500	103
Beryllium	1520		1500	101	1990		2000	99	2050		2000	103
Cadmium	380		375	101	516		500	103	513		500	103
Chromium	1480		1500	99	2050		2000	102	2020		2000	101
Copper	1500		1500	100	2070		2000	104	2030		2000	102
Lead	368		375	98	498		500	100	496		500	99
Nickel	1510		1500	101	2070		2000	104	2070		2000	103
Selenium	379		375	101	522		500	104	517		500	103
Silver	757		750	101	1060		1000	106	1040		1000	104
Thallium	746		750	99	1030		1000	103	1030		1000	103
Zinc	1530		1500	102	2100		2000	105	2110		2000	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.: 240-64249-1

SDG No.:

ICV Source: MT6500ICV_00031 Concentration Units: ug/L

CCV Source: MTICPCCV_00071

Analyte	CCV 240-229578/66 05/09/2016 13:46				CCV 240-229578/78 05/09/2016 14:34							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	508		500	102	509		500	102				
Arsenic	516		500	103	513		500	103				
Beryllium	2060		2000	103	2030		2000	101				
Cadmium	507		500	101	506		500	101				
Chromium	2020		2000	101	2000		2000	100				
Copper	2020		2000	101	2020		2000	101				
Lead	495		500	99	492		500	98				
Nickel	2070		2000	104	2050		2000	103				
Selenium	515		500	103	515		500	103				
Silver	1030		1000	103	1020		1000	102				
Thallium	1030		1000	103	1030		1000	103				
Zinc	2120		2000	106	2090		2000	104				

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.: 240-64249-1

SDG No.:

Method: 6010C Instrument ID: I9

Lab Sample ID: CRI 240-229578/20 Concentration Units: ug/L

CRQL Check Standard Source: MTTRCRIC_00035

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	20.0	21.1		105	70-130
Arsenic	15.0	16.9		112	70-130
Beryllium	5.00	5.01		100	70-130
Cadmium	5.00	4.89	J	98	70-130
Chromium	10.0	10.2		102	70-130
Copper	20.0	20.2	J	101	70-130
Nickel	40.0	40.0		100	70-130
Lead	10.0	9.95	J	99	70-130
Selenium	20.0	20.2		101	70-130
Thallium	20.0	20.0		100	70-130
Silver	10.0	10.2		102	70-130
Zinc	50.0	49.7	J	99	70-130

Lab Sample ID: CRI 240-229578/74 Concentration Units: ug/L

CRQL Check Standard Source: MTTRCRIC_00035

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	20.0	20.2		101	70-130
Arsenic	15.0	15.3		102	70-130
Beryllium	5.00	4.92	J	98	70-130
Cadmium	5.00	4.84	J	97	70-130
Chromium	10.0	10.5		105	70-130
Copper	20.0	20.5	J	102	70-130
Nickel	40.0	40.3		101	70-130
Lead	10.0	11.7		117	70-130
Selenium	20.0	21.9		110	70-130
Thallium	20.0	20.3		102	70-130
Silver	10.0	9.89	J	99	70-130
Zinc	50.0	49.8	J	100	70-130

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 240-229578/5 05/09/2016 09:34		CCB 240-229578/43 05/09/2016 12:13		CCB 240-229578/55 05/09/2016 13:02		CCB 240-229578/67 05/09/2016 13:49	
		Found	C	Found	C	Found	C	Found	C
Antimony	20	2.4	U	2.4	U	2.4	U	2.4	U
Arsenic	15	2.9	U	2.9	U	2.9	U	2.9	U
Beryllium	5.0	0.188	J	0.264	J	0.212	J	0.179	J
Cadmium	5.0	0.14	U	0.14	U	0.14	U	0.14	U
Chromium	10	0.55	U	0.55	U	0.55	U	0.55	U
Copper	25	1.9	U	1.9	U	1.9	U	1.9	U
Lead	10	1.9	U	1.9	U	1.9	U	1.9	U
Nickel	40	0.76	U	0.76	U	0.76	U	0.76	U
Selenium	20	4.0	U	4.0	U	4.0	U	4.0	U
Silver	10	0.92	U	0.92	U	0.92	U	0.92	U
Thallium	20	1.7	U	1.7	U	1.7	U	1.7	U
Zinc	50	9.6	U	9.6	U	9.6	U	9.6	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 240-229578/79 05/09/2016 14:38							
		Found	C	Found	C	Found	C	Found	C
Antimony	20	2.4	U						
Arsenic	15	2.9	U						
Beryllium	5.0	0.247	J						
Cadmium	5.0	0.14	U						
Chromium	10	0.55	U						
Copper	25	1.9	U						
Lead	10	1.9	U						
Nickel	40	0.773	J						
Selenium	20	4.0	U						
Silver	10	0.92	U						
Thallium	20	1.7	U						
Zinc	50	9.6	U						

Italicized analytes were not requested for this sequence.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab Sample ID: ICSA 240-229578/8 Instrument ID: I9

Lab File ID: I9050916A.asc ICS Source: MTTRICSAW_00030

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Antimony		**-3.38**	
Arsenic		**-1.86**	
Beryllium		**0.123**	
Cadmium		**0.996**	
Chromium		**3.71**	
Copper		**2.69**	
Lead		**0.539**	
Nickel		**4.52**	
Selenium		**-1.44**	
Silver		**-0.116**	
Thallium		**-9.67**	
Zinc		**2.39**	
Aluminum	*500000*	*508520*	*102*
Barium		*0.114*	
Boron		*-9.36*	
Calcium	*500000*	*476850*	*95*
Cobalt		*-0.920*	
Iron	*200000*	*190180*	*95*
Lithium		*27.6*	
Magnesium	*500000*	*500810*	*100*
Manganese		*1.54*	
Molybdenum		*-1.99*	
Potassium		*-38.9*	
Silicon		*12.1*	
Sodium		*112*	
Strontium		*6.89*	
Tin		*2.59*	
Titanium		*-0.361*	
Vanadium		*1.16*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab Sample ID: ICSAB 240-229578/9 Instrument ID: I9

Lab File ID: I9050916A.asc ICS Source: MTICPICSABW_00010

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Antimony	**1000**	**1002**	**100**
Arsenic	**1000**	**992**	**99**
Beryllium	**500**	**484**	**97**
Cadmium	**1000**	**1009**	**101**
Chromium	**500**	**479**	**96**
Copper	**500**	**524**	**105**
Lead	**1000**	**884**	**88**
Nickel	**1000**	**989**	**99**
Selenium	**1000**	**985**	**99**
Silver	**1000**	**1078**	**108**
Thallium	**1000**	**958**	**96**
Zinc	**1000**	**1007**	**101**
Aluminum	*500000*	*505770*	*101*
Barium	*500*	*490*	*98*
Boron	*500*	*485*	*97*
Calcium	*500000*	*476530*	*95*
Cobalt	*500*	*496*	*99*
Iron	*200000*	*190150*	*95*
Lithium	*500*	*560*	*112*
Magnesium	*500000*	*499190*	*100*
Manganese	*500*	*480*	*96*
Molybdenum	*1000*	*956*	*96*
Potassium	*10000*	*10380*	*104*
Silicon	*10000*	*9924*	*99*
Sodium	*10000*	*10448*	*104*
Strontium	*1500*	*1439*	*96*
Tin	*500*	*516*	*103*
Titanium	*500*	*498*	*100*
Vanadium	*500*	*489*	*98*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 05/12/2016 10:53 End Date: 05/12/2016 23:20

Lab Sample Id	D/F	Type	Time	Analytes																									
				Ag	As	Be	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl	Zn															
ICIS 240-230193/1	1		10:53	X	X	X	X	X	X	X	X	X	X	X	X														
CALSTD 240-230193/2 IC			10:57	X	X	X	X	X	X	X	X	X	X	X	X														
CALSTD 240-230193/3 IC			11:01	X	X	X	X	X	X	X	X	X	X	X	X														
ICV 240-230193/4	1		11:05	X	X	X	X	X	X	X	X	X	X	X	X														
ICB 240-230193/5	1		11:09	X	X	X	X	X	X	X	X	X	X	X	X														
CRI 240-230193/6			11:13																										
ZZZZZZ			11:17																										
ICSA 240-230193/8	1		11:21	X	X	X	X	X	X	X	X	X	X	X	X														
ICSAB 240-230193/9	1		11:26	X	X	X	X	X	X	X	X	X	X	X	X														
CCV 240-230193/10			11:29																										
CCB 240-230193/11			11:33																										
ZZZZZZ			11:37																										
ZZZZZZ			11:41																										
ZZZZZZ			11:46																										
ZZZZZZ			11:50																										
ZZZZZZ			11:54																										
ZZZZZZ			11:58																										
CCV 240-230193/18			12:02																										
CCB 240-230193/19			12:06																										
CRI 240-230193/20	1		12:10	X	X	X	X	X	X	X	X	X	X	X	X														
ZZZZZZ			12:14																										
ZZZZZZ			12:18																										
ZZZZZZ			12:22																										
ZZZZZZ			12:26																										
ZZZZZZ			12:30																										
ZZZZZZ			12:34																										
ZZZZZZ			12:38																										
ZZZZZZ			12:42																										
ZZZZZZ			12:46																										
CCV 240-230193/30			12:50																										
CCB 240-230193/31			12:54																										
ZZZZZZ			12:58																										
ZZZZZZ			13:02																										
ZZZZZZ			13:06																										
ZZZZZZ			13:10																										
ZZZZZZ			13:14																										
ZZZZZZ			13:18																										
ZZZZZZ			13:22																										
ZZZZZZ			13:25																										
ZZZZZZ			13:29																										
ZZZZZZ			13:34																										
CCV 240-230193/42	1		13:38	X	X	X	X	X	X	X	X	X	X	X	X														

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 05/12/2016 10:53 End Date: 05/12/2016 23:20

Lab Sample Id	D/F	Type	Time	Analytes																										
				Ag	As	Be	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl	Zn																
CCB 240-230193/43	1		13:42	X	X	X	X	X	X	X	X	X	X	X	X																
ZZZZZZ			13:46																											
ZZZZZZ			13:50																											
MB 240-229881/1-A	1	T	13:54	X	X	X	X	X	X	X	X	X	X	X	X																
LCS 240-229881/2-A	1	T	13:58	X	X	X	X	X	X	X	X	X	X	X	X																
ZZZZZZ			14:02																											
ZZZZZZ			14:06																											
ZZZZZZ			14:10																											
ZZZZZZ			14:14																											
ZZZZZZ			14:18																											
240-64493-1	1	T	14:21	X	X	X	X	X	X	X	X	X	X	X	X																
CCV 240-230193/54	1		14:25	X	X	X	X	X	X	X	X	X	X	X	X																
CCB 240-230193/55	1		14:29	X	X	X	X	X	X	X	X	X	X	X	X																
240-64493-2	1	T	14:34	X	X	X	X	X	X	X	X	X	X	X	X																
240-64493-3	1	T	14:38	X	X	X	X	X	X	X	X	X	X	X	X																
240-64493-4	1	T	14:42	X	X	X	X	X	X	X	X	X	X	X	X																
240-64493-5	1	T	14:46	X	X	X	X	X	X	X	X	X	X	X	X																
240-64493-6	1	T	14:50	X	X	X	X	X	X	X	X	X	X	X	X																
240-64493-7	1	T	14:54	X	X	X	X	X	X	X	X	X	X	X	X																
240-64493-8	1	T	14:58	X	X	X	X	X	X	X	X	X	X	X	X																
240-64493-9	1	T	15:02	X	X	X	X	X	X	X	X	X	X	X	X																
240-64493-10	1	T	15:06	X	X	X	X	X	X	X	X	X	X	X	X																
240-64493-11	1	T	15:10	X	X	X	X	X	X	X	X	X	X	X	X																
CCV 240-230193/66	1		15:15	X	X	X	X	X	X	X	X	X	X	X	X																
CCB 240-230193/67	1		15:18	X	X	X	X	X	X	X	X	X	X	X	X																
240-64493-12	1	T	15:23	X	X	X	X	X	X	X	X	X	X	X	X																
240-64493-13	1	T	15:27	X	X	X	X	X	X	X	X	X	X	X	X																
240-64493-14	1	T	15:31	X	X	X	X	X	X	X	X	X	X	X	X																
CRI 240-230193/71	1		15:35	X	X	X	X	X	X	X	X	X	X	X	X																
ZZZZZZ			15:39																											
ZZZZZZ			15:43																											
ZZZZZZ			15:47																											
ZZZZZZ			15:51																											
ZZZZZZ			15:55																											
ZZZZZZ			15:59																											
CCV 240-230193/78	1		16:04	X	X	X	X	X	X	X	X	X	X	X	X																
CCB 240-230193/79	1		16:07	X	X	X	X	X	X	X	X	X	X	X	X																
ZZZZZZ			16:12																											
ZZZZZZ			16:16																											
ZZZZZZ			16:20																											
ZZZZZZ			16:24																											
ZZZZZZ			16:29																											

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 05/12/2016 10:53 End Date: 05/12/2016 23:20

Lab Sample Id	D/F	Type	Time	Analytes																								
				Ag	As	Be	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl	Zn														
ZZZZZZ			16:33																									
ZZZZZZ			16:37																									
ZZZZZZ			16:41																									
ZZZZZZ			16:45																									
ZZZZZZ			16:50																									
CCV 240-230193/90			16:54																									
CCB 240-230193/91			16:58																									
ZZZZZZ			17:02																									
ZZZZZZ			17:06																									
ZZZZZZ			17:10																									
ZZZZZZ			17:14																									
ZZZZZZ			17:18																									
ZZZZZZ			17:22																									
ZZZZZZ			17:27																									
ZZZZZZ			17:31																									
ZZZZZZ			17:36																									
ZZZZZZ			17:40																									
CCV 240-230193/102			17:44																									
CCB 240-230193/103			17:48																									
ZZZZZZ			17:52																									
ZZZZZZ			17:56																									
ZZZZZZ			18:01																									
ZZZZZZ			18:05																									
ZZZZZZ			18:09																									
ZZZZZZ			18:13																									
ZZZZZZ			18:18																									
ZZZZZZ			18:22																									
ZZZZZZ			18:26																									
ZZZZZZ			18:30																									
CCV 240-230193/114			18:35																									
CCB 240-230193/115			18:39																									
ZZZZZZ			18:43																									
ZZZZZZ			18:47																									
ZZZZZZ			18:51																									
ZZZZZZ			18:55																									
ZZZZZZ			19:00																									
ZZZZZZ			19:04																									
ZZZZZZ			19:08																									
ZZZZZZ			19:12																									
ZZZZZZ			19:17																									
ZZZZZZ			19:21																									
CCV 240-230193/126			19:25																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 05/12/2016 10:53 End Date: 05/12/2016 23:20

Lab Sample Id	D/F	Type	Time	Analytes																								
				Ag	As	Be	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl	Zn														
CCB 240-230193/127			19:28																									
ZZZZZZ			19:33																									
ZZZZZZ			19:37																									
ZZZZZZ			19:41																									
ZZZZZZ			19:45																									
ZZZZZZ			19:49																									
ZZZZZZ			19:53																									
ZZZZZZ			19:58																									
ZZZZZZ			20:02																									
ZZZZZZ			20:06																									
ZZZZZZ			20:10																									
CCV 240-230193/138			20:14																									
CCB 240-230193/139			20:18																									
ZZZZZZ			20:22																									
ZZZZZZ			20:26																									
ZZZZZZ			20:30																									
ZZZZZZ			20:34																									
ZZZZZZ			20:39																									
ZZZZZZ			20:43																									
ZZZZZZ			20:47																									
ZZZZZZ			20:51																									
ZZZZZZ			20:55																									
ZZZZZZ			20:59																									
CCV 240-230193/150			21:03																									
CCB 240-230193/151			21:06																									
ZZZZZZ			21:11																									
ZZZZZZ			21:14																									
ZZZZZZ			21:18																									
ZZZZZZ			21:22																									
ZZZZZZ			21:26																									
ZZZZZZ			21:31																									
ZZZZZZ			21:35																									
ZZZZZZ			21:39																									
ZZZZZZ			21:43																									
ZZZZZZ			21:47																									
CCV 240-230193/162			21:51																									
CCB 240-230193/163			21:55																									
ZZZZZZ			21:59																									
ZZZZZZ			22:03																									
ZZZZZZ			22:07																									
ZZZZZZ			22:11																									
ZZZZZZ			22:16																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 05/12/2016 10:53 End Date: 05/12/2016 23:20

Lab Sample Id	D/F	Type	Time	Analytes																									
				Ag	As	Be	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl	Zn															
ZZZZZZ			22:19																										
ZZZZZZ			22:23																										
ZZZZZZ			22:27																										
ZZZZZZ			22:31																										
ZZZZZZ			22:35																										
CCV 240-230193/174			22:39																										
CCB 240-230193/175			22:43																										
ZZZZZZ			22:48																										
ZZZZZZ			22:52																										
ZZZZZZ			22:56																										
ZZZZZZ			23:00																										
ZZZZZZ			23:04																										
ZZZZZZ			23:08																										
ZZZZZZ			23:12																										
CCV 240-230193/183			23:16																										
CCB 240-230193/184			23:20																										

Prep Types:
T = Total/NA

FORM XIII-IN

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

ICV Source: MT6500ICV_00031 Concentration Units: ug/L

CCV Source: MTICPCCV_00071

Analyte	ICV 240-230193/4 05/12/2016 11:05				CCV 240-230193/42 05/12/2016 13:38				CCV 240-230193/54 05/12/2016 14:25			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	384		375	102	535		500	107	534		500	107
Arsenic	383		375	102	524		500	105	526		500	105
Beryllium	1530		1500	102	2090		2000	104	2090		2000	104
Cadmium	383		375	102	524		500	105	525		500	105
Chromium	1490		1500	100	2070		2000	104	2080		2000	104
Copper	1510		1500	101	2080		2000	104	2080		2000	104
Lead	373		375	99	507		500	101	505		500	101
Nickel	1530		1500	102	2110		2000	105	2110		2000	105
Selenium	386		375	103	531		500	106	531		500	106
Silver	761		750	102	1060		1000	106	1050		1000	105
Thallium	756		750	101	1060		1000	106	1060		1000	106
Zinc	1550		1500	103	2130		2000	106	2130		2000	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.: 240-64249-1

SDG No.:

ICV Source: MT6500ICV_00031 Concentration Units: ug/L

CCV Source: MTICPCCV_00071

Analyte	CCV 240-230193/66 05/12/2016 15:15				CCV 240-230193/78 05/12/2016 16:04							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	536		500	107	532		500	106				
Arsenic	528		500	106	519		500	104				
Beryllium	2100		2000	105	2080		2000	104				
Cadmium	530		500	106	527		500	105				
Chromium	2080		2000	104	2090		2000	104				
Copper	2070		2000	104	2070		2000	104				
Lead	511		500	102	503		500	101				
Nickel	2130		2000	106	2110		2000	106				
Selenium	533		500	107	528		500	106				
Silver	1050		1000	105	1050		1000	105				
Thallium	1070		1000	107	1060		1000	106				
Zinc	2160		2000	108	2150		2000	107				

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.: 240-64249-1

SDG No.:

Method: 6010C Instrument ID: I9

Lab Sample ID: CRI 240-230193/20 Concentration Units: ug/L

CRQL Check Standard Source: MTTRCRIC_00035

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	20.0	20.1		100	70-130
Arsenic	15.0	14.4	J	96	70-130
Beryllium	5.00	5.06		101	70-130
Cadmium	5.00	5.15		103	70-130
Chromium	10.0	10.1		101	70-130
Copper	20.0	20.4	J	102	70-130
Nickel	40.0	40.2		100	70-130
Lead	10.0	8.82	J	88	70-130
Selenium	20.0	20.4		102	70-130
Thallium	20.0	20.0		100	70-130
Silver	10.0	10.1		101	70-130
Zinc	50.0	49.4	J	99	70-130

Lab Sample ID: CRI 240-230193/71 Concentration Units: ug/L

CRQL Check Standard Source: MTTRCRIC_00035

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	20.0	22.0		110	70-130
Arsenic	15.0	14.5	J	97	70-130
Beryllium	5.00	5.13		103	70-130
Cadmium	5.00	5.11		102	70-130
Chromium	10.0	9.79	J	98	70-130
Copper	20.0	21.0	J	105	70-130
Nickel	40.0	40.2		101	70-130
Lead	10.0	10.7		107	70-130
Selenium	20.0	19.9	J	99	70-130
Thallium	20.0	20.1		100	70-130
Silver	10.0	10.0		100	70-130
Zinc	50.0	50.3		101	70-130

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 240-230193/5 05/12/2016 11:09		CCB 240-230193/43 05/12/2016 13:42		CCB 240-230193/55 05/12/2016 14:29		CCB 240-230193/67 05/12/2016 15:18	
		Found	C	Found	C	Found	C	Found	C
Antimony	20	2.4	U	2.4	U	2.4	U	2.4	U
Arsenic	15	2.9	U	2.9	U	2.9	U	2.9	U
Beryllium	5.0	0.291	J	0.283	J	0.13	U	0.192	J
Cadmium	5.0	0.14	U	0.14	U	0.14	U	0.14	U
Chromium	10	0.55	U	0.55	U	0.55	U	0.55	U
Copper	25	1.9	U	1.9	U	1.9	U	1.9	U
Lead	10	1.9	U	1.9	U	1.9	U	1.9	U
Nickel	40	0.76	U	0.76	U	0.76	U	0.76	U
Selenium	20	4.0	U	4.0	U	4.0	U	4.0	U
Silver	10	0.92	U	0.92	U	0.92	U	0.92	U
Thallium	20	1.7	U	1.7	U	1.7	U	1.7	U
Zinc	50	9.6	U	9.6	U	9.6	U	9.6	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 240-230193/79 05/12/2016 16:07							
		Found	C	Found	C	Found	C	Found	C
Antimony	20	2.4	U						
Arsenic	15	2.9	U						
Beryllium	5.0	0.261	J						
Cadmium	5.0	0.14	U						
Chromium	10	0.55	U						
Copper	25	1.9	U						
Lead	10	1.9	U						
Nickel	40	0.76	U						
Selenium	20	4.0	U						
Silver	10	0.92	U						
Thallium	20	1.7	U						
Zinc	50	9.6	U						

Italicized analytes were not requested for this sequence.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab Sample ID: ICSA 240-230193/8 Instrument ID: I9

Lab File ID: I9051216A.asc ICS Source: MTTRICSAW_00030

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Antimony		**-6.12**	
Arsenic		**-2.99**	
Beryllium		**0.149**	
Cadmium		**0.678**	
Chromium		**3.66**	
Copper		**2.66**	
Lead		**0.478**	
Nickel		**4.35**	
Selenium		**-3.13**	
Silver		**0.0752**	
Thallium		**-2.27**	
Zinc		**1.92**	
Aluminum	*500000*	*502160*	*100*
Barium		*-0.437*	
Boron		*-8.23*	
Calcium	*500000*	*474720*	*95*
Cobalt		*-1.29*	
Iron	*200000*	*188750*	*94*
Lithium		*23.8*	
Magnesium	*500000*	*491800*	*98*
Manganese		*1.85*	
Molybdenum		*-1.54*	
Potassium		*13.7*	
Silicon		*-28.3*	
Sodium		*6.99*	
Strontium		*10.3*	
Tin		*1.81*	
Titanium		*-0.388*	
Vanadium		*-2.28*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Lab Sample ID: ICSAB 240-230193/9 Instrument ID: I9

Lab File ID: I9051216A.asc ICS Source: MTICPICSABW_00010

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Antimony	**1000**	**1017**	**102**
Arsenic	**1000**	**1019**	**102**
Beryllium	**500**	**489**	**98**
Cadmium	**1000**	**1030**	**103**
Chromium	**500**	**489**	**98**
Copper	**500**	**537**	**107**
Lead	**1000**	**903**	**90**
Nickel	**1000**	**1003**	**100**
Selenium	**1000**	**1004**	**100**
Silver	**1000**	**1105**	**111**
Thallium	**1000**	**972**	**97**
Zinc	**1000**	**1017**	**102**
Aluminum	*500000*	*505210*	*101*
Barium	*500*	*504*	*101*
Boron	*500*	*499*	*100*
Calcium	*500000*	*477190*	*95*
Cobalt	*500*	*504*	*101*
Iron	*200000*	*190530*	*95*
Lithium	*500*	*560*	*112*
Magnesium	*500000*	*494970*	*99*
Manganese	*500*	*496*	*99*
Molybdenum	*1000*	*972*	*97*
Potassium	*10000*	*10387*	*104*
Silicon	*10000*	*9883*	*99*
Sodium	*10000*	*10250*	*103*
Strontium	*1500*	*1458*	*97*
Tin	*500*	*518*	*104*
Titanium	*500*	*508*	*102*
Vanadium	*500*	*494*	*99*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 240-228827/1-A	05/04/2016 13:02	228827	1.00		100
LCS 240-228827/2-A	05/04/2016 13:02	228827	1.00		100
240-64249-1	05/04/2016 13:02	228827	1.01		100
240-64249-1 MS	05/04/2016 13:02	228827	1.05		100
240-64249-1 MSD	05/04/2016 13:02	228827	1.05		100
240-64249-2	05/04/2016 13:02	228827	1.10		100
240-64249-3	05/04/2016 13:02	228827	1.00		100
240-64249-4	05/04/2016 13:02	228827	1.10		100
240-64249-5	05/04/2016 13:02	228827	1.03		100
240-64249-6	05/04/2016 13:02	228827	1.04		100
240-64249-7	05/04/2016 13:02	228827	1.07		100
240-64249-8	05/04/2016 13:02	228827	1.00		100
240-64249-9	05/04/2016 13:02	228827	1.07		100
240-64249-10	05/04/2016 13:02	228827	1.11		100
240-64249-11	05/04/2016 13:02	228827	1.07		100
240-64249-12	05/04/2016 13:02	228827	1.08		100

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 240-228827/1-A

Instrument Code: I9 Batch No.: 229578

CAS No.	Analyte	Concentration	C	Q	Method
7440-36-0	Antimony	0.48	U		6010C
7440-38-2	Arsenic	0.41	U		6010C
7440-41-7	Beryllium	0.026	U		6010C
7440-43-9	Cadmium	0.021	U		6010C
7440-47-3	Chromium	0.075	U		6010C
7440-50-8	Copper	0.23	U		6010C
7440-02-0	Nickel	0.0982	J		6010C
7439-92-1	Lead	0.0315	J		6010C
7782-49-2	Selenium	0.34	U		6010C
7440-28-0	Thallium	0.13	U		6010C
7440-22-4	Silver	0.063	U		6010C
7440-66-6	Zinc	0.56	U		6010C

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-228827/2-A

Lab Name: TestAmerica Canton Job No.: 240-64249-1

Sample Matrix: Solid LCS Source: MTICP1_00051

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Antimony	50.0	48.0		96	80	120		6010C
Arsenic	200	192		96	80	120		6010C
Beryllium	5.00	4.72		94	80	120		6010C
Cadmium	5.00	4.84		97	80	120		6010C
Chromium	20.0	19.3		97	80	120		6010C
Copper	25.0	23.9		96	80	120		6010C
Nickel	50.0	48.2		96	80	120		6010C
Lead	50.0	46.4		93	80	120		6010C
Selenium	200	192		96	80	120		6010C
Thallium	200	188		94	80	120		6010C
Silver	5.00	4.79		96	80	120		6010C
Zinc	50.0	48.8		98	80	120		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: DR-TS1-042816 MS
Lab ID: 240-64249-1 MS
Lab Name: TestAmerica Canton
Job No.: 240-64249-1
SDG No.:
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 52.6

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Antimony	78.8		0.90	U	90.6	87	75-125		6010C
Arsenic	323		0.77	U	362	89	75-125		6010C
Beryllium	8.26		0.049	U	9.06	91	75-125		6010C
Cadmium	8.59		0.33	J	9.06	91	75-125		6010C
Chromium	33.8		0.41	J	36.2	92	75-125		6010C
Copper	43.9		2.1	J	45.3	92	75-125		6010C
Nickel	85.0		1.2	J	90.6	93	75-125		6010C
Lead	80.7		0.29	J	90.6	89	75-125		6010C
Selenium	321		0.64	U	362	88	75-125		6010C
Thallium	333		0.24	U	362	92	75-125		6010C
Silver	8.37		0.12	U	9.06	92	75-125		6010C
Zinc	94.5		8.7	J	90.6	95	75-125		6010C
Mercury	0.341		0.028	U	0.373	91	80-120		7471A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: DR-TS1-042816 MSD
Lab ID: 240-64249-1 MSD
Lab Name: TestAmerica Canton
Job No.: 240-64249-1
SDG No.:
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 52.6

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Antimony	80.9		90.6	89	75-125	3	20		6010C
Arsenic	331		362	91	75-125	3	20		6010C
Beryllium	8.43		9.06	93	75-125	2	20		6010C
Cadmium	8.81		9.06	94	75-125	2	20		6010C
Chromium	34.4		36.2	94	75-125	2	20		6010C
Copper	45.2		45.3	95	75-125	3	20		6010C
Nickel	87.0		90.6	95	75-125	2	20		6010C
Lead	81.4		90.6	90	75-125	1	20		6010C
Selenium	328		362	91	75-125	2	20		6010C
Thallium	338		362	93	75-125	2	20		6010C
Silver	8.43		9.06	93	75-125	1	20		6010C
Zinc	96.5		90.6	97	75-125	2	20		6010C
Mercury	0.365		0.373	98	80-120	7	20		7471A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 240-64249-1

SDG No:

Lab Name: TestAmerica Canton Job No: 240-64249-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Antimony	0.90	U	4.5	U	NC		6010C
Arsenic	0.77	U	3.9	U	NC		6010C
Beryllium	0.049	U	0.24	U	NC		6010C
Cadmium	0.33	J	0.20	U	NC		6010C
Chromium	0.41	J	0.71	U	NC		6010C
Copper	2.1	J	2.54	J	NC		6010C
Nickel	1.2	J	1.77	J	NC		6010C
Lead	0.29	J	0.542	J	NC		6010C
Selenium	0.64	U	3.2	U	NC		6010C
Thallium	0.24	U	1.2	U	NC		6010C
Silver	0.12	U	0.59	U	NC		6010C
Zinc	8.7	J	10.1	J	NC		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 240-229881/1-A	05/11/2016 12:43	229881	1.00		100
LCS 240-229881/2-A	05/11/2016 12:43	229881	1.00		100
240-64493-1	05/11/2016 12:43	229881	1.31		100
240-64493-2	05/11/2016 12:43	229881	1.12		100
240-64493-3	05/11/2016 12:43	229881	1.19		100
240-64493-4	05/11/2016 12:43	229881	1.09		100
240-64493-5	05/11/2016 12:43	229881	1.33		100
240-64493-6	05/11/2016 12:43	229881	1.16		100
240-64493-7	05/11/2016 12:43	229881	1.16		100
240-64493-8	05/11/2016 12:43	229881	1.34		100
240-64493-9	05/11/2016 12:43	229881	1.18		100
240-64493-10	05/11/2016 12:43	229881	1.17		100
240-64493-11	05/11/2016 12:43	229881	1.05		100
240-64493-12	05/11/2016 12:43	229881	1.08		100
240-64493-13	05/11/2016 12:43	229881	1.20		100
240-64493-14	05/11/2016 12:43	229881	1.17		100

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 240-229881/1-A

Instrument Code: I9 Batch No.: 230193

CAS No.	Analyte	Concentration	C	Q	Method
7440-36-0	Antimony	0.48	U		6010C
7440-38-2	Arsenic	0.41	U		6010C
7440-41-7	Beryllium	0.026	U		6010C
7440-43-9	Cadmium	0.021	U		6010C
7440-47-3	Chromium	0.075	U		6010C
7440-50-8	Copper	0.23	U		6010C
7440-02-0	Nickel	0.080	U		6010C
7439-92-1	Lead	0.0393	J		6010C
7782-49-2	Selenium	0.34	U		6010C
7440-28-0	Thallium	0.13	U		6010C
7440-22-4	Silver	0.063	U		6010C
7440-66-6	Zinc	0.56	U		6010C

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-229881/2-A

Lab Name: TestAmerica Canton Job No.: 240-64249-1

Sample Matrix: Solid LCS Source: MTICP1_00051

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Antimony	50.0	50.0		100	80	120		6010C
Arsenic	200	200		100	80	120		6010C
Beryllium	5.00	4.91		98	80	120		6010C
Cadmium	5.00	5.00		100	80	120		6010C
Chromium	20.0	19.9		99	80	120		6010C
Copper	25.0	24.7		99	80	120		6010C
Nickel	50.0	50.6		101	80	120		6010C
Lead	50.0	48.4		97	80	120		6010C
Selenium	200	200		100	80	120		6010C
Thallium	200	197		98	80	120		6010C
Silver	5.00	4.96		99	80	120		6010C
Zinc	50.0	50.6		101	80	120		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Instrument ID: H1 Analysis Method: 7471A

Start Date: 05/05/2016 06:58 End Date: 05/05/2016 10:48

Lab Sample Id	D/F	Type	Time	Analytes
				Hg
IC 240-228757/1-A			06:58	X
IC 240-228757/2-A			07:01	X
IC 240-228757/3-A			07:03	X
IC 240-228757/4-A			07:05	X
IC 240-228757/5-A			07:08	X
IC 240-228757/6-A			07:10	X
ICV 240-228757/7-A	1		07:12	X
ICB 240-228757/8-A	1		07:15	X
CRA 240-228757/9-A	1		07:17	X
CCV 240-228757/10-A			09:19	
CCB 240-228757/11-A			09:21	
ZZZZZZ			09:23	
ZZZZZZ			09:25	
ZZZZZZ			09:27	
ZZZZZZ			09:30	
ZZZZZZ			09:32	
ZZZZZZ			09:34	
ZZZZZZ			09:36	
ZZZZZZ			09:38	
ZZZZZZ			09:41	
ZZZZZZ			09:43	
CCV 240-228757/10-A	1		09:46	X
CCB 240-228757/11-A	1		09:48	X
ZZZZZZ			09:50	
ZZZZZZ			09:53	
ZZZZZZ			09:55	
ZZZZZZ			09:57	
ZZZZZZ			10:00	
MB 240-228834/1-A	1	T	10:02	X
LCS 240-228834/2-A	1	T	10:04	X
240-64249-1	1	T	10:06	X
240-64249-1 MS	1	T	10:09	X
240-64249-1 MSD	1	T	10:11	X
CCV 240-228757/10-A	1		10:13	X
CCB 240-228757/11-A	1		10:16	X
240-64249-2	1	T	10:18	X
240-64249-3	1	T	10:20	X
240-64249-4	1	T	10:22	X
240-64249-5	1	T	10:24	X
240-64249-6	1	T	10:27	X
240-64249-7	1	T	10:29	X
240-64249-8	1	T	10:31	X

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Instrument ID: H1 Analysis Method: 7471A

Start Date: 05/05/2016 06:58 End Date: 05/05/2016 10:48

Lab Sample Id	D/F	Type	Time	Analytes																								
				Hg																								
240-64249-9	1	T	10:33	X																								
240-64249-10	1	T	10:35	X																								
240-64249-11	1	T	10:37	X																								
CCV 240-228757/10-A	1		10:39	X																								
CCB 240-228757/11-A	1		10:42	X																								
240-64249-12	1	T	10:44	X																								
CCV 240-228757/10-A	1		10:46	X																								
CCB 240-228757/11-A	1		10:48	X																								

Prep Types:
T = Total/NA

FORM XIII-IN

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

ICV Source: MTHgStd_00020 Concentration Units: ug/L

CCV Source: MTHGCALW_01197

Analyte	ICV 240-228757/7-A 05/05/2016 07:12				CCV 240-228757/10-A 05/05/2016 09:46				CCV 240-228757/10-A 05/05/2016 10:13			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.73		5.00	95	5.18		5.00	104	5.08		5.00	102

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.: 240-64249-1

SDG No.:

ICV Source: MTHgStd_00020 Concentration Units: ug/L

CCV Source: MTHGCALW_01197

Analyte	CCV 240-228757/10-A 05/05/2016 10:39				CCV 240-228757/10-A 05/05/2016 10:46							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.06		5.00	101	5.11		5.00	102				

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.: 240-64249-1

SDG No.:

Method: 7471A Instrument ID: H1

Lab Sample ID: CRA 240-228757/9-A Concentration Units: ug/L

CRQL Check Standard Source: MTHGCALW_01197

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.191	J	96	50-150

Lab Sample ID: CRA 240-229779/9-A Concentration Units: ug/L

CRQL Check Standard Source: MTHGCALW_01202

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.150	J	75	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 240-228757/8-A 05/05/2016 07:15		CCB 240-228757/11-A 05/05/2016 09:48		CCB 240-228757/11-A 05/05/2016 10:16		CCB 240-228757/11-A 05/05/2016 10:42	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.60	0.090	U	0.090	U	0.090	U	0.090	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 240-228757/11-A 05/05/2016 10:48							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.60	0.090	U						

Italicized analytes were not requested for this sequence.

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Instrument ID: H1 Analysis Method: 7471A

Start Date: 05/12/2016 06:46 End Date: 05/12/2016 11:22

Lab Sample Id	D/F	Type	Time	Analytes																								
				Hg																								
IC 240-229779/1-A			06:46	X																								
IC 240-229779/2-A			06:48	X																								
IC 240-229779/3-A			06:50	X																								
IC 240-229779/4-A			06:52	X																								
IC 240-229779/5-A			06:54	X																								
IC 240-229779/6-A			06:56	X																								
ICV 240-229779/7-A	1		06:59	X																								
ICB 240-229779/8-A	1		07:01	X																								
ZZZZZZ			07:03																									
CRA 240-229779/9-A	1		07:06	X																								
ZZZZZZ			08:45																									
CCV 240-229779/10-A			08:52																									
CCB 240-229779/11-A			08:54																									
ZZZZZZ			08:57																									
ZZZZZZ			08:59																									
ZZZZZZ			09:01																									
ZZZZZZ			09:04																									
ZZZZZZ			09:06																									
ZZZZZZ			09:08																									
ZZZZZZ			09:10																									
ZZZZZZ			09:13																									
ZZZZZZ			09:15																									
ZZZZZZ			09:18																									
CCV 240-229779/10-A			09:20																									
CCB 240-229779/11-A			09:22																									
ZZZZZZ			09:24																									
ZZZZZZ			09:27																									
ZZZZZZ			09:29																									
ZZZZZZ			09:31																									
ZZZZZZ			09:34																									
ZZZZZZ			09:36																									
ZZZZZZ			09:38																									
ZZZZZZ			09:40																									
ZZZZZZ			09:42																									
ZZZZZZ			09:45																									
CCV 240-229779/10-A			09:47																									
CCB 240-229779/11-A			09:49																									
ZZZZZZ			09:51																									
ZZZZZZ			09:53																									
ZZZZZZ			09:55																									
ZZZZZZ			09:57																									
ZZZZZZ			10:00																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Instrument ID: H1 Analysis Method: 7471A

Start Date: 05/12/2016 06:46 End Date: 05/12/2016 11:22

Lab Sample Id	D/F	Type	Time	Analytes																								
				Hg																								
ZZZZZZ			10:02																									
ZZZZZZ			10:04																									
ZZZZZZ			10:06																									
ZZZZZZ			10:09																									
ZZZZZZ			10:11																									
CCV 240-229779/10-A	1		10:13	X																								
CCB 240-229779/11-A	1		10:15	X																								
ZZZZZZ			10:17																									
MB 240-229883/1-A	1	T	10:20	X																								
LCS 240-229883/2-A	1	T	10:22	X																								
ZZZZZZ			10:24																									
ZZZZZZ			10:27																									
ZZZZZZ			10:29																									
ZZZZZZ			10:31																									
ZZZZZZ			10:33																									
ZZZZZZ			10:35																									
ZZZZZZ			10:37																									
CCV 240-229779/10-A	1		10:39	X																								
CCB 240-229779/11-A	1		10:42	X																								
240-64493-1	1	T	10:44	X																								
240-64493-2	1	T	10:46	X																								
240-64493-3	1	T	10:48	X																								
240-64493-4	1	T	10:50	X																								
240-64493-5	1	T	10:53	X																								
240-64493-6	1	T	10:55	X																								
240-64493-7	1	T	10:57	X																								
240-64493-8	1	T	10:59	X																								
240-64493-9	1	T	11:01	X																								
240-64493-10	1	T	11:03	X																								
CCV 240-229779/10-A	1		11:06	X																								
CCB 240-229779/11-A	1		11:09	X																								
240-64493-11	1	T	11:12	X																								
240-64493-12	1	T	11:14	X																								
240-64493-13	1	T	11:16	X																								
240-64493-14	1	T	11:18	X																								
CCV 240-229779/10-A	1		11:20	X																								
CCB 240-229779/11-A	1		11:22	X																								

Prep Types:
T = Total/NA

FORM XIII-IN

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

ICV Source: MTHgStd_00020 Concentration Units: ug/L

CCV Source: MTHGCALW_01202

Analyte	ICV 240-229779/7-A 05/12/2016 06:59				CCV 240-229779/10-A 05/12/2016 10:13				CCV 240-229779/10-A 05/12/2016 10:39			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.25		5.00	105	5.21		5.00	104	5.23		5.00	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.: 240-64249-1

SDG No.:

ICV Source: MTHgStd_00020 Concentration Units: ug/L

CCV Source: MTHGCALW_01202

Analyte	CCV 240-229779/10-A 05/12/2016 11:06				CCV 240-229779/10-A 05/12/2016 11:20							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.25		5.00	105	5.19		5.00	104				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 240-229779/8-A 05/12/2016 07:01		CCB 240-229779/11-A 05/12/2016 10:15		CCB 240-229779/11-A 05/12/2016 10:42		CCB 240-229779/11-A 05/12/2016 11:09	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.60	0.090	U	0.090	U	0.090	U	0.090	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 240-229779/11-A 05/12/2016 11:22							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.60	0.090	U						

Italicized analytes were not requested for this sequence.

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 240-228834/1-A	05/04/2016 15:00	228834	0.60		100
LCS 240-228834/2-A	05/04/2016 15:00	228834	0.60		100
240-64249-1	05/04/2016 15:00	228834	0.58		100
240-64249-1 MS	05/04/2016 15:00	228834	0.51		100
240-64249-1 MSD	05/04/2016 15:00	228834	0.51		100
240-64249-2	05/04/2016 15:00	228834	0.57		100
240-64249-3	05/04/2016 15:00	228834	0.65		100
240-64249-4	05/04/2016 15:00	228834	0.60		100
240-64249-5	05/04/2016 15:00	228834	0.62		100
240-64249-6	05/04/2016 15:00	228834	0.57		100
240-64249-7	05/04/2016 15:00	228834	0.55		100
240-64249-8	05/04/2016 15:00	228834	0.51		100
240-64249-9	05/04/2016 15:00	228834	0.58		100
240-64249-10	05/04/2016 15:00	228834	0.62		100
240-64249-11	05/04/2016 15:00	228834	0.54		100
240-64249-12	05/04/2016 15:00	228834	0.55		100

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 240-228834/1-A

Instrument Code: H1 Batch No.: 228991

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.014	U		7471A

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-228834/2-A

Lab Name: TestAmerica Canton Job No.: 240-64249-1

Sample Matrix: Solid LCS Source: MTHGCALW_01197

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.833	0.832		100	80	120		7471A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 240-229883/1-A	05/11/2016 15:00	229883	0.60		100
LCS 240-229883/2-A	05/11/2016 15:00	229883	0.60		100
240-64493-1	05/11/2016 15:00	229883	0.56		100
240-64493-2	05/11/2016 15:00	229883	0.68		100
240-64493-3	05/11/2016 15:00	229883	0.68		100
240-64493-4	05/11/2016 15:00	229883	0.62		100
240-64493-5	05/11/2016 15:00	229883	0.52		100
240-64493-6	05/11/2016 15:00	229883	0.70		100
240-64493-7	05/11/2016 15:00	229883	0.63		100
240-64493-8	05/11/2016 15:00	229883	0.63		100
240-64493-9	05/11/2016 15:00	229883	0.69		100
240-64493-10	05/11/2016 15:00	229883	0.57		100
240-64493-11	05/11/2016 15:00	229883	0.69		100
240-64493-12	05/11/2016 15:00	229883	0.61		100
240-64493-13	05/11/2016 15:00	229883	0.64		100
240-64493-14	05/11/2016 15:00	229883	0.68		100

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 240-229883/1-A

Instrument Code: H1 Batch No.: 230066

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.014	U		7471A

FORM III-IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-229883/2-A

Lab Name: TestAmerica Canton | Job No.: 240-64249-1

Sample Matrix: Solid | LCS Source: MTHGCALW_01202

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.833	0.955		115	80	120		7471A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Batch Number: 228827 Batch Start Date: 05/04/16 13:02 Batch Analyst: Elshaw, Dale

Batch Method: 3050B Batch End Date: 05/04/16 18:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MT1TO1HN03 01235	MTAGSPIKEW 00057	MTH202 00062
MB 240-228827/1		3050B, 6010C		CALC NOT SET TO RUN	1.00 g	100 mL	10 mL		10 mL
LCS 240-228827/2		3050B, 6010C		CALC NOT SET TO RUN	1.00 g	100 mL	10 mL	2 mL	10 mL
240-64249-A-1-A	DR-TS1-042816	3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	100 mL	10 mL		10 mL
240-64249-A-1-A MS	DR-TS1-042816	3050B, 6010C	T	CALC NOT SET TO RUN	1.05 g	100 mL	10 mL	2 mL	10 mL
240-64249-A-1-A MSD	DR-TS1-042816	3050B, 6010C	T	CALC NOT SET TO RUN	1.05 g	100 mL	10 mL	2 mL	10 mL
240-64249-A-2-A	DR-TS2-042816	3050B, 6010C	T	CALC NOT SET TO RUN	1.10 g	100 mL	10 mL		10 mL
240-64249-A-3-A	DR-TS3-042816	3050B, 6010C	T	CALC NOT SET TO RUN	1.00 g	100 mL	10 mL		10 mL
240-64249-A-4-A	DR-TS4-042816	3050B, 6010C	T	CALC NOT SET TO RUN	1.10 g	100 mL	10 mL		10 mL
240-64249-A-5-A	DR-TS5-042816	3050B, 6010C	T	CALC NOT SET TO RUN	1.03 g	100 mL	10 mL		10 mL
240-64249-A-6-A	DR-TS6-042816	3050B, 6010C	T	CALC NOT SET TO RUN	1.04 g	100 mL	10 mL		10 mL
240-64249-A-7-A	DR-TS7-042816	3050B, 6010C	T	CALC NOT SET TO RUN	1.07 g	100 mL	10 mL		10 mL
240-64249-A-8-A	DR-TS8-042816	3050B, 6010C	T	CALC NOT SET TO RUN	1.00 g	100 mL	10 mL		10 mL
240-64249-A-9-A	DR-TS9-042816	3050B, 6010C	T	CALC NOT SET TO RUN	1.07 g	100 mL	10 mL		10 mL
240-64249-A-10-A	DR-TS10-042816	3050B, 6010C	T	CALC NOT SET TO RUN	1.11 g	100 mL	10 mL		10 mL
240-64249-A-11-A	DR-TS11-042816	3050B, 6010C	T	CALC NOT SET TO RUN	1.07 g	100 mL	10 mL		10 mL
240-64249-A-12-A	DR-TS12-042816	3050B, 6010C	T	CALC NOT SET TO RUN	1.08 g	100 mL	10 mL		10 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTICP1 00051	MTICP2A 00059	MTTMHCL 00109	MTTMHNO3 00085		
MB 240-228827/1		3050B, 6010C				10 mL	5 mL		
LCS 240-228827/2		3050B, 6010C		2 mL	2 mL	10 mL	5 mL		
240-64249-A-1-A	DR-TS1-042816	3050B, 6010C	T			10 mL	5 mL		
240-64249-A-1-A MS	DR-TS1-042816	3050B, 6010C	T	2 mL	2 mL	10 mL	5 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.: 240-64249-1

SDG No.:

Batch Number: 228827 Batch Start Date: 05/04/16 13:02 Batch Analyst: Elshaw, Dale

Batch Method: 3050B Batch End Date: 05/04/16 18:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTICP1 00051	MTICP2A 00059	MTTMHCL 00109	MTTMHNO3 00085		
240-64249-A-1-A MSD	DR-TS1-042816	3050B, 6010C	T	2 mL	2 mL	10 mL	5 mL		
240-64249-A-2-A	DR-TS2-042816	3050B, 6010C	T			10 mL	5 mL		
240-64249-A-3-A	DR-TS3-042816	3050B, 6010C	T			10 mL	5 mL		
240-64249-A-4-A	DR-TS4-042816	3050B, 6010C	T			10 mL	5 mL		
240-64249-A-5-A	DR-TS5-042816	3050B, 6010C	T			10 mL	5 mL		
240-64249-A-6-A	DR-TS6-042816	3050B, 6010C	T			10 mL	5 mL		
240-64249-A-7-A	DR-TS7-042816	3050B, 6010C	T			10 mL	5 mL		
240-64249-A-8-A	DR-TS8-042816	3050B, 6010C	T			10 mL	5 mL		
240-64249-A-9-A	DR-TS9-042816	3050B, 6010C	T			10 mL	5 mL		
240-64249-A-10-A	DR-TS10-042816	3050B, 6010C	T			10 mL	5 mL		
240-64249-A-11-A	DR-TS11-042816	3050B, 6010C	T			10 mL	5 mL		
240-64249-A-12-A	DR-TS12-042816	3050B, 6010C	T			10 mL	5 mL		

Batch Notes	
Balance ID	b039
Blank Soil Lot Number	r674-6a012
Filter Paper ID	9656618
Hot Block ID	a1 a2
Pipette ID	A2-MP5
Digestion Tube/Cup ID	160404

Basis	Basis Description
T	Total/NA

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.: 240-64249-1

SDG No.:

Batch Number: 229881 Batch Start Date: 05/11/16 12:43 Batch Analyst: Elshaw, Dale

Batch Method: 3050B Batch End Date: 05/11/16 18:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MT1TO1HN03 01239	MTAGSPIKEW 00057	MTH202 00063
MB 240-229881/1		3050B, 6010C		CALC NOT SET TO RUN	1.00 g	100 mL	10 mL		10 mL
LCS 240-229881/2		3050B, 6010C		CALC NOT SET TO RUN	1.00 g	100 mL	10 mL	2 mL	10 mL
240-64493-A-1-A	DR-TG1S-050516	3050B, 6010C	T	CALC NOT SET TO RUN	1.31 g	100 mL	10 mL		10 mL
240-64493-A-2-A	DR-TG1N-050516	3050B, 6010C	T	CALC NOT SET TO RUN	1.12 g	100 mL	10 mL		10 mL
240-64493-A-3-A	DR-TG2S-050516	3050B, 6010C	T	CALC NOT SET TO RUN	1.19 g	100 mL	10 mL		10 mL
240-64493-A-4-A	DR-TG2N-050516	3050B, 6010C	T	CALC NOT SET TO RUN	1.09 g	100 mL	10 mL		10 mL
240-64493-A-5-A	DR-TG3S-050516	3050B, 6010C	T	CALC NOT SET TO RUN	1.33 g	100 mL	10 mL		10 mL
240-64493-A-6-A	DR-TG3N-050516	3050B, 6010C	T	CALC NOT SET TO RUN	1.16 g	100 mL	10 mL		10 mL
240-64493-A-7-A	DR-TL8N-050516	3050B, 6010C	T	CALC NOT SET TO RUN	1.16 g	100 mL	10 mL		10 mL
240-64493-A-8-A	DR-TL8S-050516	3050B, 6010C	T	CALC NOT SET TO RUN	1.34 g	100 mL	10 mL		10 mL
240-64493-A-9-A	DR-TL7S-050516	3050B, 6010C	T	CALC NOT SET TO RUN	1.18 g	100 mL	10 mL		10 mL
240-64493-A-10-A	DR-TL7N-050516	3050B, 6010C	T	CALC NOT SET TO RUN	1.17 g	100 mL	10 mL		10 mL
240-64493-A-11-A	DR-TL17S-050516	3050B, 6010C	T	CALC NOT SET TO RUN	1.05 g	100 mL	10 mL		10 mL
240-64493-A-12-A	DR-TL17N-050516	3050B, 6010C	T	CALC NOT SET TO RUN	1.08 g	100 mL	10 mL		10 mL
240-64493-A-13-A	DR-TL5S-050516	3050B, 6010C	T	CALC NOT SET TO RUN	1.20 g	100 mL	10 mL		10 mL
240-64493-A-14-A	DR-TL5N-050516	3050B, 6010C	T	CALC NOT SET TO RUN	1.17 g	100 mL	10 mL		10 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTICP1 00051	MTICP2A 00059	MTTMHCL 00109	MTTMHNO3 00086		
MB 240-229881/1		3050B, 6010C				10 mL	5 mL		
LCS 240-229881/2		3050B, 6010C		2 mL	2 mL	10 mL	5 mL		
240-64493-A-1-A	DR-TG1S-050516	3050B, 6010C	T			10 mL	5 mL		
240-64493-A-2-A	DR-TG1N-050516	3050B, 6010C	T			10 mL	5 mL		
240-64493-A-3-A	DR-TG2S-050516	3050B, 6010C	T			10 mL	5 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.: 240-64249-1

SDG No.:

Batch Number: 229881 Batch Start Date: 05/11/16 12:43 Batch Analyst: Elshaw, Dale

Batch Method: 3050B Batch End Date: 05/11/16 18:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTICP1 00051	MTICP2A 00059	MTTMHCL 00109	MTTMHNO3 00086		
240-64493-A-4-A	DR-TG2N-050516	3050B, 6010C	T			10 mL	5 mL		
240-64493-A-5-A	DR-TG3S-050516	3050B, 6010C	T			10 mL	5 mL		
240-64493-A-6-A	DR-TG3N-050516	3050B, 6010C	T			10 mL	5 mL		
240-64493-A-7-A	DR-TL8N-050516	3050B, 6010C	T			10 mL	5 mL		
240-64493-A-8-A	DR-TL8S-050516	3050B, 6010C	T			10 mL	5 mL		
240-64493-A-9-A	DR-TL7S-050516	3050B, 6010C	T			10 mL	5 mL		
240-64493-A-10-A	DR-TL7N-050516	3050B, 6010C	T			10 mL	5 mL		
240-64493-A-11-A	DR-TL17S-050516	3050B, 6010C	T			10 mL	5 mL		
240-64493-A-12-A	DR-TL17N-050516	3050B, 6010C	T			10 mL	5 mL		
240-64493-A-13-A	DR-TL5S-050516	3050B, 6010C	T			10 mL	5 mL		
240-64493-A-14-A	DR-TL5N-050516	3050B, 6010C	T			10 mL	5 mL		

Batch Notes	
Balance ID	b039 b038
Blank Soil Lot Number	r674-6a012
Filter Paper ID	9656618
Hot Block ID	a1 c3
Pipette ID	A2-MP5
Digestion Tube/Cup ID	160404

Basis	Basis Description
T	Total/NA

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.: 240-64249-1

SDG No.:

Batch Number: 228757 Batch Start Date: 05/04/16 07:25 Batch Analyst: Heakin, David

Batch Method: 7471A Batch End Date: 05/04/16 07:55

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 01323	MTHGCALW 01197	MTHgStd 00020	MTKMN04W 00105
ICV 240-228757/7		7471A, 7471A		100 mL	100 mL	5 mL		0.5 mL	15 mL
ICB 240-228757/8		7471A, 7471A		100 mL	100 mL	5 mL			15 mL
CRA 240-228757/9		7471A, 7471A		100 mL	100 mL	5 mL	0.2 mL		15 mL
CCV 240-228757/10		7471A, 7471A		100 mL	100 mL	5 mL	5 mL		15 mL
CCB 240-228757/11		7471A, 7471A		100 mL	100 mL	5 mL			15 mL

Batch Notes	
Batch Comment	take out temp in range
Hot Block ID	C3
Pipette ID	MP1, MP3
Digestion Tube/Cup ID	1509104

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.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Batch Number: 228834 Batch Start Date: 05/04/16 15:00 Batch Analyst: Elshaw, Dale

Batch Method: 7471A Batch End Date: 05/04/16 15:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 01323	MTHGCALW 01197	MTKMN04W 00105	
MB 240-228834/1		7471A, 7471A		0.60 g	100 mL	5 mL		15 mL	
LCS 240-228834/2		7471A, 7471A		0.60 g	100 mL	5 mL	5 mL	15 mL	
240-64249-A-1-A	DR-TS1-042816	7471A, 7471A	T	0.58 g	100 mL	5 mL		15 mL	
240-64249-A-1-A MS	DR-TS1-042816	7471A, 7471A	T	0.51 g	100 mL	5 mL	1 mL	15 mL	
240-64249-A-1-A MSD	DR-TS1-042816	7471A, 7471A	T	0.51 g	100 mL	5 mL	1 mL	15 mL	
240-64249-A-2-A	DR-TS2-042816	7471A, 7471A	T	0.57 g	100 mL	5 mL		15 mL	
240-64249-A-3-A	DR-TS3-042816	7471A, 7471A	T	0.65 g	100 mL	5 mL		15 mL	
240-64249-A-4-A	DR-TS4-042816	7471A, 7471A	T	0.60 g	100 mL	5 mL		15 mL	
240-64249-A-5-A	DR-TS5-042816	7471A, 7471A	T	0.62 g	100 mL	5 mL		15 mL	
240-64249-A-6-A	DR-TS6-042816	7471A, 7471A	T	0.57 g	100 mL	5 mL		15 mL	
240-64249-A-7-A	DR-TS7-042816	7471A, 7471A	T	0.55 g	100 mL	5 mL		15 mL	
240-64249-A-8-A	DR-TS8-042816	7471A, 7471A	T	0.51 g	100 mL	5 mL		15 mL	
240-64249-A-9-A	DR-TS9-042816	7471A, 7471A	T	0.58 g	100 mL	5 mL		15 mL	
240-64249-A-10-A	DR-TS10-042816	7471A, 7471A	T	0.62 g	100 mL	5 mL		15 mL	
240-64249-A-11-A	DR-TS11-042816	7471A, 7471A	T	0.54 g	100 mL	5 mL		15 mL	
240-64249-A-12-A	DR-TS12-042816	7471A, 7471A	T	0.55 g	100 mL	5 mL		15 mL	

Batch Notes	
Balance ID	b039
Batch Comment	Take out temps in range
Blank Soil Lot Number	r674-6a012
Hot Block ID	c2
Pipette ID	MP1-A2-MP5
Digestion Tube/Cup ID	1509104

Basis	Basis Description
T	Total/NA

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.: 240-64249-1

SDG No.:

Batch Number: 229779 Batch Start Date: 05/11/16 08:10 Batch Analyst: Dillon, William K

Batch Method: 7471A Batch End Date: 05/11/16 08:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 01330	MTHGCALW 01202	MTHgStd 00020	MTKMN04W 00106
ICV 240-229779/7		7471A, 7471A		100 mL	100 mL	5 mL		0.5 mL	15 mL
ICB 240-229779/8		7471A, 7471A		100 mL	100 mL	5 mL			15 mL
CRA 240-229779/9		7471A, 7471A		100 mL	100 mL	5 mL	0.2 mL		15 mL
CCV 240-229779/10		7471A, 7471A		100 mL	100 mL	5 mL	5 mL		15 mL
CCB 240-229779/11		7471A, 7471A		100 mL	100 mL	5 mL			15 mL

Batch Notes	
Batch Comment	take out temp in range
Hot Block ID	C3
Pipette ID	MP1, MP3
Digestion Tube/Cup ID	1509104

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.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-64249-1

SDG No.:

Batch Number: 229883 Batch Start Date: 05/11/16 15:00 Batch Analyst: Elshaw, Dale

Batch Method: 7471A Batch End Date: 05/11/16 15:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 01330	MTHGCALW 01202	MTKMN04W 00106	
MB 240-229883/1		7471A, 7471A		0.60 g	100 mL	5 mL		15 mL	
LCS 240-229883/2		7471A, 7471A		0.60 g	100 mL	5 mL	5 mL	15 mL	
240-64493-A-1-A	DR-TG1S-050516	7471A, 7471A	T	0.56 g	100 mL	5 mL		15 mL	
240-64493-A-2-A	DR-TG1N-050516	7471A, 7471A	T	0.68 g	100 mL	5 mL		15 mL	
240-64493-A-3-A	DR-TG2S-050516	7471A, 7471A	T	0.68 g	100 mL	5 mL		15 mL	
240-64493-A-4-A	DR-TG2N-050516	7471A, 7471A	T	0.62 g	100 mL	5 mL		15 mL	
240-64493-A-5-A	DR-TG3S-050516	7471A, 7471A	T	0.52 g	100 mL	5 mL		15 mL	
240-64493-A-6-A	DR-TG3N-050516	7471A, 7471A	T	0.70 g	100 mL	5 mL		15 mL	
240-64493-A-7-A	DR-TL8N-050516	7471A, 7471A	T	0.63 g	100 mL	5 mL		15 mL	
240-64493-A-8-A	DR-TL8S-050516	7471A, 7471A	T	0.63 g	100 mL	5 mL		15 mL	
240-64493-A-9-A	DR-TL7S-050516	7471A, 7471A	T	0.69 g	100 mL	5 mL		15 mL	
240-64493-A-10-A	DR-TL7N-050516	7471A, 7471A	T	0.57 g	100 mL	5 mL		15 mL	
240-64493-A-11-A	DR-TL17S-050516	7471A, 7471A	T	0.69 g	100 mL	5 mL		15 mL	
240-64493-A-12-A	DR-TL17N-050516	7471A, 7471A	T	0.61 g	100 mL	5 mL		15 mL	
240-64493-A-13-A	DR-TL5S-050516	7471A, 7471A	T	0.64 g	100 mL	5 mL		15 mL	
240-64493-A-14-A	DR-TL5N-050516	7471A, 7471A	T	0.68 g	100 mL	5 mL		15 mL	

Batch Notes	
Balance ID	b039 b038
Batch Comment	Take out temps in range
Blank Soil Lot Number	r674-6a012
Hot Block ID	c1
Pipette ID	MP1-A2-MP5
Digestion Tube/Cup ID	1509104

Basis	Basis Description
T	Total/NA

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.

LOCATION	DR-TG1N	DR-TG1S	DR-TG2N	DR-TG2S	DR-TG3N	DR-TG3S	DR-TG4N	DR-TG4S	DR-TG5N	DR-T
SAMPLE ID	DR-TG1N-050516	DR-TG1S-050516	DR-TG2N-050516	DR-TG2S-050516	DR-TG3N-050516	DR-TG3S-050516	DR-TG4N-050916	DR-TG4S-050916	DR-TG5N-050916	DR-TG5S
SAMPLE DATE	20160505	20160505	20160505	20160505	20160505	20160505	20160509	20160509	20160509	2016
VOLATILES (MG/KG)										
1,1,1,2-TETRACHLOROETHANE	0.34 U	0.38 U	0.36 U	0.35 U	0.65 U	0.38 U	0.45 U	0.41 U	0.35 U	0.37
1,1,1-TRICHLOROETHANE	0.19 U	0.21 U	0.2 U	0.19 U	0.36 U	0.21 U	0.25 U	0.23 U	0.19 U	0.21
1,1,2,2-TETRACHLOROETHANE	0.17 U	0.19 U	0.18 U	0.18 U	0.33 U	0.2 U	0.23 U	0.21 U	0.18 U	0.19
1,1,2-TRICHLOROTRIFLUOROETHANE	0.29 U	0.33 U	0.31 U	0.3 U	0.56 U	0.33 U	0.38 U	0.35 U	0.3 U	0.32
1,1-DICHLOROETHANE	0.24 U	0.27 U	0.26 U	0.25 U	0.47 U	0.27 U	0.32 U	0.29 U	0.25 U	0.27
1,1-DICHLOROETHENE	0.21 U	0.23 U	0.22 U	0.22 U	0.4 U	0.24 U	0.27 U	0.25 U	0.21 U	0.23
1,1-DICHLOROPROPENE	0.26 U	0.29 U	0.28 U	0.27 U	0.51 U	0.3 U	0.35 U	0.32 U	0.27 U	0.29
1,2,3-TRICHLOROBENZENE	0.27 U	0.3 U	0.29 U	0.28 U	0.52 U	0.31 U	0.36 U	0.33 U	0.28 U	0.3
1,2,3-TRICHLOROPROPANE	0.71 U	0.8 U	0.75 U	0.74 U	1.4 U	0.81 U	0.94 U	0.87 U	0.74 U	0.79
1,2,3-TRIMETHYLBENZENE	0.09 U	0.1 U	0.095 U	0.093 U	0.17 U	0.1 U	0.12 U	0.11 U	0.093 U	0.099
1,2,4-TRICHLOROBENZENE	0.21 U	0.23 U	0.22 U	0.22 U	0.4 U	0.24 U	0.27 U	0.25 U	0.21 U	0.23
1,2,4-TRIMETHYLBENZENE	0.09 U	0.1 U	0.095 U	0.093 U	0.17 U	0.1 U	0.12 U	0.11 U	0.093 U	0.099
1,2-DIBROMO-3-CHLOROPROPANE	0.49 U	0.55 U	0.52 U	0.51 U	0.95 U	0.56 U	0.65 U	0.6 U	0.51 U	0.54
1,2-DIBROMOETHANE	0.22 U	0.25 U	0.23 U	0.23 U	0.43 U	0.25 U	0.29 U	0.27 U	0.23 U	0.24
1,2-DICHLOROBENZENE	0.13 U	0.15 U	0.14 U	0.14 U	0.25 U	0.15 U	0.17 U	0.16 U	0.14 U	0.15
1,2-DICHLOROETHANE	0.069 U	0.077 U	0.073 U	0.072 U	0.13 U	0.078 U	0.092 U	0.084 U	0.072 U	0.076
1,2-DICHLOROPROPANE	0.22 U	0.25 U	0.23 U	0.23 U	0.43 U	0.25 U	0.29 U	0.27 U	0.23 U	0.24
1,3-DICHLOROBENZENE	0.21 U	0.23 U	0.22 U	0.22 U	0.4 U	0.24 U	0.27 U	0.25 U	0.21 U	0.23
1,3-DICHLOROPROPANE	0.16 U	0.18 U	0.17 U	0.16 U	0.31 U	0.18 U	0.21 U	0.19 U	0.16 U	0.18
1,4-DICHLOROBENZENE	0.28 U	0.32 U	0.3 U	0.29 U	0.55 U	0.32 U	0.38 U	0.34 U	0.29 U	0.31
2,2-DICHLOROPROPANE	0.36 U	0.4 U	0.38 U	0.37 U	0.69 U	0.41 U	0.48 U	0.44 U	0.37 U	0.4
2-BUTANONE	0.51 U	0.57 U	0.53 U	0.52 U	0.97 U	0.57 U	0.67 U	0.61 U	0.52 U	0.56
2-CHLOROETHYL VINYL ETHER	0.54 U	0.6 U	0.57 U	0.56 U	1 U	0.61 U	0.71 UJ	0.66 UJ	0.56 UJ	0.6
2-CHLOROTOLUENE	0.28 U	0.32 U	0.3 U	0.29 U	0.55 U	0.32 U	0.38 U	0.34 U	0.29 U	0.31
2-HEXANONE	0.58 U	0.65 U	0.61 U	0.6 U	1.1 U	0.66 U	0.77 U	0.71 U	0.6 U	0.64
4-CHLOROTOLUENE	0.18 U	0.2 U	0.19 U	0.19 U	0.35 U	0.2 U	0.24 U	0.22 U	0.19 U	0.2
4-ISOPROPYLTOLUENE	0.17 U	0.19 U	0.18 U	0.18 U	5.5	2.6	0.23 U	0.21 U	0.18 U	0.19
4-METHYL-2-PENTANONE	0.39 U	0.43 U	0.41 U	0.4 U	0.75 U	0.44 U	0.51 U	0.47 U	0.4 U	0.43
ACETONE	1.6 UJ	1.8 J	1.7 UJ	1.6 UJ	3.5 J	2.7 J	2.2 J	2.1 J	1.7 J	1.8
BENZENE	0.062 U	0.07 U	0.066 U	0.065 U	0.12 U	0.071 U	0.082 U	0.076 U	0.064 U	0.069
BROMOBENZENE	0.09 U	0.1 U	0.095 U	0.093 U	0.17 U	0.1 U	0.12 U	0.11 U	0.093 U	0.099
BROMOCHLOROMETHANE	0.49 U	0.54 U	0.51 U	0.5 U	0.93 U	0.55 U	0.64 U	0.59 U	0.5 U	0.53
BROMODICHLOROMETHANE	0.26 U	0.29 U	0.28 U	0.27 U	0.51 U	0.3 U	0.35 U	0.32 U	0.27 U	0.29
BROMOFORM	0.42 U	0.47 U	0.45 U	0.44 U	0.81 U	0.48 U	0.56 U	0.51 U	0.44 U	0.47
BROMOMETHANE	0.35 U	0.39 U	0.37 U	0.37 U	0.68 U	0.4 U	0.47 U	0.43 U	0.37 U	0.39
CARBON DISULFIDE	0.39 U	0.43 U	0.41 U	0.4 U	0.75 U	0.44 U	0.51 U	0.47 U	0.4 U	0.43
CARBON TETRACHLORIDE	0.12 U	0.14 U	0.13 U	0.13 U	0.24 U	0.14 U	0.16 U	0.15 U	0.13 U	0.14
CHLOROBENZENE	0.09 U	0.1 U	0.095 U	0.093 U	0.17 U	0.1 U	0.12 U	0.11 U	0.093 U	0.099
CHLORODIBROMOMETHANE	0.14 U	0.15 U	0.15 U	0.14 U	0.27 U	0.16 U	0.18 U	0.17 U	0.14 U	0.15
CHLORODIFLUOROMETHANE	1.7 UJ	1.9 UJ	1.8 UJ	1.8 UJ	3.3 UJ	2 UJ	2.3 UJ	2.1 UJ	1.8 UJ	1.9
CHLOROETHANE	0.35 U	0.39 U	0.37 U	0.37 U	0.68 U	0.4 U	0.47 U	0.43 U	0.37 U	0.39
CHLOROFORM	0.25 U	0.28 U	0.26 U	0.26 U	0.48 U	0.28 U	0.33 U	0.3 U	0.26 U	0.27
CHLOROMETHANE	0.33 U	0.37 U	0.35 U	0.34 U	0.64 U	0.38 U	0.44 U	0.4 U	0.34 U	0.37
CIS-1,2-DICHLOROETHENE	0.26 U	0.29 U	0.28 U	0.27 U	0.51 U	0.3 U	0.35 U	0.32 U	0.27 U	0.29
CIS-1,3-DICHLOROPROPENE	0.15 U	0.17 U	0.16 U	0.16 U	0.29 U	0.17 U	0.2 U	0.18 U	0.16 U	0.17
DIBROMOMETHANE	0.35 U	0.39 U	0.37 U	0.36 U	0.67 U	0.39 U	0.46 U	0.42 U	0.36 U	0.38
DICHLORODIFLUOROMETHANE	0.42 U	0.47 U	0.45 U	0.44 U	0.81 U	0.48 U	0.56 U	0.51 U	0.44 U	0.47
DIISOPROPYL ETHER	0.36 U	0.4 U	0.38 U	0.37 U	0.69 U	0.41 U	0.48 U	0.44 U	0.37 U	0.4
ETHYL TERT-BUTYL ETHER	0.11 UJ	0.12 UJ	0.12 UJ	0.11 UJ	0.21 UJ	0.13 UJ	0.15 UJ	0.13 UJ	0.11 UJ	0.12
ETHYLBENZENE	0.24 U	0.27 U	0.26 U	0.25 U	0.47 U	0.27 U	0.32 U	0.29 U	0.25 U	0.27
HEXACHLOROBUTADIENE	0.31 U	0.34 U	0.32 U	0.32 U	0.59 U	0.34 U	0.4 U	0.37 U	0.32 U	0.34
ISOPROPYLBENZENE	0.09 U	0.1 U	0.095 U	0.093 U	0.17 U	0.1 U	0.12 U	0.11 U	0.093 U	0.099
M+P-XYLENES	0.14 U	0.15 U	0.15 U	0.14 U	0.27 U	0.16 U	0.18 U	0.17 U	0.14 U	0.15
METHYL TERT-BUTYL ETHER	0.21 U	0.23 U	0.22 U	0.22 U	0.4 U	0.24 U	0.27 U	0.25 U	0.21 U	0.23
METHYLENE CHLORIDE	0.59 U	0.66 U	0.62 U	0.61 U	1.1 U	0.67 U	0.78 U	0.71 U	0.61 U	0.65
NAPHTHALENE	0.18 U	0.2 U	0.19 U	0.19 U	0.35 U	0.2 U	0.24 U	0.22 U	0.19 U	0.2
N-BUTYLBENZENE	0.15 U	0.16 U	0.15 U	0.15 U	0.28 U	0.16 U	0.19 U	0.18 U	0.15 U	0.16
N-PROPYLBENZENE	0.42 U	0.47 U	0.45 U	0.44 U	0.81 U	0.48 U	0.56 U	0.51 U	0.44 U	0.47
O-XYLENE	0.12 U	0.13 U	0.12 U	0.12 U	0.23 U	0.13 U	0.16 U	0.14 U	0.12 U	0.13
SEC-BUTYLBENZENE	0.11 U	0.12 U	0.12 U	0.11 U	0.21 U	0.13 U	0.15 U	0.13 U	0.11 U	0.12
STYRENE	0.19 U	0.21 U	0.2 U	0.19 U	0.36 U	0.21 U	0.25 U	0.23 U	0.19 U	0.21
TERT-AMYL METHYL ETHER	0.29 U	0.33 U	0.31 U	0.3 U	0.56 U	0.33 U	0.38 UJ	0.35 UJ	0.3 UJ	0.32
TERT-BUTYLBENZENE	0.24 U	0.26 U	0.25 U	0.24 U	0.45 U	0.27 U	0.31 U	0.29 U	0.24 U	0.26

LOCATION	DR-TG1N	DR-TG1S	DR-TG2N	DR-TG2S	DR-TG3N	DR-TG3S	DR-TG4N	DR-TG4S	DR-TG5N	DR-T
SAMPLE ID	DR-TG1N-050516	DR-TG1S-050516	DR-TG2N-050516	DR-TG2S-050516	DR-TG3N-050516	DR-TG3S-050516	DR-TG4N-050916	DR-TG4S-050916	DR-TG5N-050916	DR-TG5S
SAMPLE DATE	20160505	20160505	20160505	20160505	20160505	20160505	20160509	20160509	20160509	2016
TERTIARY-BUTYL ALCOHOL	5.8 UJ	6.5 UJ	6.1 UJ	6 UJ	11 UJ	6.6 UJ	7.7 UJ	7 UJ	6 UJ	6.4
TETRACHLOROETHENE	0.19 U	0.21 U	0.2 U	0.19 U	0.36 U	0.21 U	0.25 U	0.23 U	0.19 U	0.21
TOLUENE	0.1 U	0.11 U	0.1 U	0.093 U	0.19 U	0.13 U	0.092 U	0.084 U	0.072 U	0.076
TOTAL XYLENES	0.22 U	0.25 U	0.23 U	0.23 U	0.43 U	0.25 U	0.29 U	0.27 U	0.23 U	0.24
TRANS-1,2-DICHLOROETHENE	0.18 U	0.2 U	0.19 U	0.19 U	0.35 U	0.2 U	0.24 U	0.22 U	0.19 U	0.2
TRANS-1,3-DICHLOROPROPENE	0.18 U	0.2 U	0.19 U	0.19 U	0.35 U	0.2 U	0.24 U	0.22 U	0.19 U	0.2
TRICHLOROETHENE	0.27 U	0.3 U	0.29 U	0.28 U	0.52 U	0.31 U	0.36 U	0.33 U	0.28 U	0.3
TRICHLOROFLUOROMETHANE	0.24 U	0.27 U	0.26 U	0.25 U	0.47 U	0.27 U	0.32 U	0.29 U	0.25 U	0.27
VINYL ACETATE	0.71 U	0.8 U	0.75 U	0.74 U	1.4 U	0.81 U	0.94 U	0.87 U	0.74 U	0.79
VINYL CHLORIDE	0.12 U	0.13 U	0.12 U	0.12 U	0.23 U	0.13 U	0.16 U	0.14 U	0.12 U	0.13
TENTATIVELY IDENTIFIED COMPOUNDS-VOLATILES (MG/KG)										
.ALPHA.-PINENE	NA	NA	NA	NA	1500 NJ	NA	NA	NA	NA	NA
.BETA.-PINENE	NA	NA	NA	NA	980 NJ	NA	NA	NA	NA	NA
1,4-CYCLOHEXADIENE, 1-METHYL-4-(1-METHYL	NA	NA	NA	NA	NA	2.3 NJ	NA	NA	NA	NA
1,7,7-TRIMETHYLTRICYCLO(2.2.1.0(2.6))HEPTANE	NA	NA	NA	NA	6.2 NJ	3.6 NJ	NA	NA	NA	NA
1R-.ALPHA.-PINENE	NA	NA	NA	NA	NA	920 NJ	NA	NA	NA	NA
3-CARENE	NA	NA	NA	NA	NA	630 NJ	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE, 1-METHYL-3-(1-METHYLETHYL)-	NA	NA	NA	NA	3.6 NJ	3 NJ	NA	NA	NA	NA
BENZENE, 1-METHYL-3-(1-METHYLETHYL)- [9.51]	NA	NA	NA	NA	NA	2.8 NJ	NA	NA	NA	NA
BENZENE, 1-METHYL-3-(1-METHYLETHYL)- [9.68]	NA	NA	NA	NA	NA	3 NJ	NA	NA	NA	NA
BICYCLO[2.2.1]HEPTANE, 7,7-DIMETHYL-2-ME	NA	NA	NA	NA	3.8 NJ	NA	NA	NA	NA	NA
BICYCLO[3.1.0]HEX-2-ENE, 2-METHYL-5-(1-M	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BICYCLO[3.1.1]HEPTANE, 6,6-DIMETHYL-2-ME	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAMPHENE	NA	NA	NA	NA	83 NJ	56 NJ	NA	NA	NA	NA
CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHENYL)-, (	NA	NA	NA	NA	3.8 NJ	NA	NA	NA	NA	NA
CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHYLID	NA	NA	NA	NA	17 NJ	7.6 NJ	NA	NA	NA	NA
D-LIMONENE	NA	NA	NA	NA	82 NJ	47 NJ	NA	NA	NA	NA
ETHYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
UNKNOWN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)										
ANTIMONY	0.71 U	0.6 U	0.74 U	0.66 U	0.76 U	0.57 U	0.83 U	0.81 U	0.71 U	0.74
ARSENIC	0.61 U	0.51 U	0.63 U	0.56 U	0.65 U	0.48 U	0.71 U	0.69 U	0.6 U	0.63
BERYLLIUM	0.038 U	0.032 U	0.04 U	0.036 U	0.041 U	0.031 U	0.045 U	0.044 U	0.038 U	0.04
CADMIUM	0.031 U	0.048 J	0.12 J	0.19 J	3.3	3	0.036 U	0.035 U	0.24 J	0.22
CHROMIUM	1.8	2.2	0.99 J	0.58 J	0.48 J	0.5 J	0.26 J	0.35 J	0.55 J	0.32
COPPER	1.9 J	3.5	1.8 J	2 J	1.6 J	1.6 J	1.9 J	1.5 J	3.6 J	3.7
LEAD	1.1 U	2.2	0.45 U	0.46 U	0.49 U	0.2 U	0.22 U	1.3 U	0.23 U	0.41
MERCURY	0.02 U	0.025 U	0.023 U	0.02 U	0.022 U	0.025 U	0.026 U	0.024 U	0.025 U	0.023
NICKEL	1.4 J	1.3 J	0.99 J	0.89 J	0.32 J	0.36 J	0.39 J	0.32 J	1.9 J	1.4
SELENIUM	0.7 J	0.68 J	0.52 U	0.47 U	0.54 J	0.51 J	0.59 U	0.57 U	0.5 U	0.52
SILVER	0.093 U	0.079 U	0.097 U	0.087 U	0.13 J	0.074 U	0.11 U	0.11 U	0.093 U	0.097
THALLIUM	0.19 U	0.16 U	0.2 U	0.18 U	0.21 U	0.15 U	0.22 U	0.22 U	1.4 J	1.4
ZINC	7 J	17	4.5 J	6.9	26	18	3.6 J	2.4 J	45	55
MISCELLANEOUS PARAMETERS (%)										
PERCENT MOISTURE	39.7	38.8	40.3	38.8	45.6	36.3	43.3	40.6	39.9	42.1
PERCENT SOLIDS	60.3	61.2	59.7	61.2	54.4	63.7	56.7	59.4	60.1	57.9

LOCATION	TG5S	DR-TG6N	DR-TG6S	DR-TL10N	DR-TL10S	DR-TL11N	DR-TL11S	DR-TL12N	DR-TL12S	DR-T
SAMPLE ID	-050916	DR-TG6N-050916	DR-TG6S-050916	DR-TL10N-050916	DR-TL10S-050916	DR-TL11N-051016	DR-TL11S-051016	DR-TL12N-050916	DR-TL12S-050916	DR-TL13
SAMPLE DATE	0509	20160509	20160509	20160509	20160509	20160510	20160510	20160509	20160509	2016
VOLATILES (MG/KG)										
1,1,1,2-TETRACHLOROETHANE	U	0.32 U	0.41 U	0.39 U	0.48 U	0.44 U	0.32 U	0.35 U	0.37 U	0.4
1,1,1-TRICHLOROETHANE	U	0.18 U	0.22 U	0.22 U	0.27 U	0.24 U	0.18 U	0.19 U	0.2 U	0.22
1,1,2,2-TETRACHLOROETHANE	U	0.17 U	0.21 U	0.2 U	0.25 U	0.22 U	0.16 U	0.18 U	0.19 U	0.2
1,1,2-TRICHLOROTRIFLUOROETHANE	U	0.28 U	0.35 U	0.33 U	0.41 U	0.37 U	0.28 U	0.3 U	0.31 U	0.34
1,1-DICHLOROETHANE	U	0.23 U	0.29 U	0.28 U	0.34 U	0.31 U	0.23 U	0.25 U	0.26 U	0.28
1,1-DICHLOROETHENE	U	0.2 U	0.25 U	0.24 U	0.3 U	0.27 U	0.2 U	0.22 U	0.22 U	0.24
1,1-DICHLOROPROPENE	U	0.25 U	0.31 U	0.3 U	0.37 U	0.34 U	0.25 U	0.27 U	0.28 U	0.31
1,2,3-TRICHLOROBENZENE	U	0.26 U	0.32 U	0.31 U	0.38 U	0.35 U	0.26 U	0.28 U	0.29 U	0.31
1,2,3-TRICHLOROPROPANE	U	0.68 U	0.85 U	0.82 U	1 U	0.92 U	0.68 U	0.74 U	0.77 U	0.83
1,2,3-TRIMETHYLBENZENE	U	0.086 U	0.11 U	0.1 U	0.13 U	0.12 U	0.085 U	0.094 U	0.097 U	0.1
1,2,4-TRICHLOROBENZENE	U	0.2 U	0.25 U	0.24 U	0.3 U	0.27 U	0.2 U	0.22 U	0.22 U	0.24
1,2,4-TRIMETHYLBENZENE	U	0.086 U	0.11 U	0.1 U	0.13 U	0.12 U	0.085 U	0.094 U	0.097 U	0.1
1,2-DIBROMO-3-CHLOROPROPANE	U	0.47 U	0.59 U	0.57 U	0.7 U	0.63 U	0.47 U	0.51 U	0.53 U	0.57
1,2-DIBROMOETHANE	U	0.21 U	0.26 U	0.26 U	0.31 U	0.28 U	0.21 U	0.23 U	0.24 U	0.26
1,2-DICHLOROBENZENE	U	0.13 U	0.16 U	0.15 U	0.19 U	0.17 U	0.12 U	0.14 U	0.14 U	0.15
1,2-DICHLOROETHANE	U	0.066 U	0.083 U	0.08 U	0.098 U	0.089 U	0.066 U	0.072 U	0.075 U	0.081
1,2-DICHLOROPROPANE	U	0.21 U	0.26 U	0.26 U	0.31 U	0.28 U	0.21 U	0.23 U	0.24 U	0.26
1,3-DICHLOROBENZENE	U	0.2 U	0.25 U	0.24 U	0.3 U	0.27 U	0.2 U	0.22 U	0.22 U	0.24
1,3-DICHLOROPROPANE	U	0.15 U	0.19 U	0.18 U	0.23 U	0.2 U	0.15 U	0.17 U	0.17 U	0.19
1,4-DICHLOROBENZENE	U	0.27 U	0.34 U	0.33 U	0.4 U	0.36 U	0.27 U	0.3 U	0.31 U	0.33
2,2-DICHLOROPROPANE	U	0.34 U	0.43 U	0.41 U	0.51 U	0.46 U	0.34 U	0.38 U	0.39 U	0.42
2-BUTANONE	U	0.48 U	0.6 U	0.58 U	0.72 U	0.65 UJ	0.48 UJ	0.53 U	0.55 U	0.59
2-CHLOROETHYL VINYL ETHER	UJ	0.52 UJ	0.65 UJ	0.62 UJ	0.77 UJ	0.69 UJ	0.51 UJ	0.56 UJ	0.58 UJ	0.63
2-CHLOROTOLUENE	U	0.27 U	0.34 U	0.33 U	0.4 U	0.36 U	0.27 U	0.3 U	0.31 U	0.33
2-HEXANONE	U	0.56 U	0.7 U	0.67 U	0.83 U	0.75 U	0.55 U	0.61 U	0.63 U	0.68
4-CHLOROTOLUENE	U	0.17 U	0.22 U	0.21 U	0.26 U	0.23 U	0.17 U	0.19 U	0.19 U	0.21
4-ISOPROPYLTOLUENE	U	0.17 U	0.21 U	0.2 U	0.25 U	0.33 J	0.16 U	0.18 U	0.19 U	0.2
4-METHYL-2-PENTANONE	U	0.37 U	0.46 U	0.45 U	0.55 U	0.5 U	0.37 U	0.4 U	0.42 U	0.45
ACETONE	J	1.5 J	1.9 UJ	1.9 J	2.2 J	3.3 J	2.7 J	1.6 J	1.7 UJ	1.8
BENZENE	U	0.06 U	0.074 U	0.072 U	0.089 U	0.08 U	0.059 U	0.065 U	0.067 U	0.073
BROMOBENZENE	U	0.086 U	0.11 U	0.1 U	0.13 U	0.12 U	0.085 U	0.094 U	0.097 U	0.1
BROMOCHLOROMETHANE	U	0.46 U	0.58 U	0.56 U	0.69 U	0.62 U	0.46 U	0.51 U	0.52 U	0.57
BROMODICHLOROMETHANE	U	0.25 U	0.31 U	0.3 U	0.37 U	0.34 U	0.25 U	0.27 U	0.28 U	0.31
BROMOFORM	U	0.4 U	0.5 U	0.49 U	0.6 U	0.54 U	0.4 U	0.44 U	0.46 U	0.49
BROMOMETHANE	U	0.34 U	0.42 U	0.41 U	0.5 U	0.45 UJ	0.33 UJ	0.37 U	0.38 U	0.41
CARBON DISULFIDE	U	0.37 U	0.46 U	0.45 U	0.55 U	0.5 U	0.37 U	0.4 U	0.42 U	0.45
CARBON TETRACHLORIDE	U	0.12 U	0.15 U	0.14 U	0.18 U	0.16 U	0.12 U	0.13 U	0.13 U	0.15
CHLOROBENZENE	U	0.086 U	0.11 U	0.1 U	0.13 U	0.12 U	0.085 U	0.094 U	0.097 U	0.1
CHLORODIBROMOMETHANE	U	0.13 U	0.17 U	0.16 U	0.2 U	0.18 U	0.13 U	0.14 U	0.15 U	0.16
CHLORODIFLUOROMETHANE	UJ	1.7 UJ	2.1 UJ	2 UJ	2.5 UJ	2.2 UJ	1.6 UJ	1.8 UJ	1.9 UJ	2
CHLOROETHANE	U	0.34 U	0.42 U	0.41 U	0.5 U	0.45 U	0.33 U	0.37 U	0.38 U	0.41
CHLOROFORM	U	0.24 U	0.3 U	0.29 U	0.35 U	0.32 U	0.24 U	0.26 U	0.27 U	0.29
CHLOROMETHANE	U	0.32 U	0.4 U	0.38 U	0.47 U	0.43 U	0.32 U	0.35 U	0.36 U	0.39
CIS-1,2-DICHLOROETHENE	U	0.25 U	0.31 U	0.3 U	0.37 U	0.34 U	0.25 U	0.27 U	0.28 U	0.31
CIS-1,3-DICHLOROPROPENE	U	0.15 U	0.18 U	0.18 U	0.22 U	0.2 U	0.14 U	0.16 U	0.16 U	0.18
DIBROMOMETHANE	U	0.33 U	0.41 U	0.4 U	0.49 U	0.44 U	0.33 U	0.36 U	0.37 U	0.4
DICHLORODIFLUOROMETHANE	U	0.4 U	0.5 U	0.49 U	0.6 U	0.54 U	0.4 U	0.44 U	0.46 U	0.49
DIISOPROPYL ETHER	U	0.34 U	0.43 U	0.41 U	0.51 U	0.46 U	0.34 U	0.38 U	0.39 U	0.42
ETHYL TERT-BUTYL ETHER	UJ	0.11 UJ	0.13 UJ	0.13 UJ	0.16 UJ	0.14 UJ	0.11 UJ	0.12 UJ	0.12 UJ	0.13
ETHYLBENZENE	U	0.23 U	0.29 U	0.28 U	0.34 U	0.31 U	0.23 U	0.25 U	0.26 U	0.28
HEXACHLOROBUTADIENE	U	0.29 U	0.36 U	0.35 U	0.43 U	0.39 U	0.29 U	0.32 U	0.33 U	0.36
ISOPROPYLBENZENE	U	0.086 U	0.11 U	0.1 U	0.13 U	0.12 U	0.085 U	0.094 U	0.097 U	0.1
M+P-XYLENES	U	0.13 U	0.17 U	0.16 U	0.2 U	0.18 U	0.13 U	0.14 U	0.15 U	0.16
METHYL TERT-BUTYL ETHER	U	0.2 U	0.25 U	0.24 U	0.3 U	0.27 U	0.2 U	0.22 U	0.22 U	0.24
METHYLENE CHLORIDE	U	0.56 U	0.7 U	0.68 U	0.84 U	0.76 U	0.56 U	0.61 U	0.64 U	0.69
NAPHTHALENE	U	0.17 U	0.22 U	0.21 U	0.26 U	0.23 U	0.17 U	0.19 U	0.19 U	0.21
N-BUTYLBENZENE	U	0.14 U	0.17 U	0.17 U	0.21 U	0.19 U	0.14 U	0.15 U	0.16 U	0.17
N-PROPYLBENZENE	U	0.4 U	0.5 U	0.49 U	0.6 U	0.54 U	0.4 U	0.44 U	0.46 U	0.49
O-XYLENE	U	0.11 U	0.14 U	0.14 U	0.17 U	0.15 U	0.11 U	0.12 U	0.13 U	0.14
SEC-BUTYLBENZENE	U	0.11 U	0.13 U	0.13 U	0.16 U	0.14 U	0.11 U	0.12 U	0.12 U	0.13
STYRENE	U	0.18 U	0.22 U	0.22 U	0.27 U	0.24 U	0.18 U	0.19 U	0.2 U	0.22
TERT-AMYL METHYL ETHER	UJ	0.28 UJ	0.35 UJ	0.33 UJ	0.41 UJ	0.37 UJ	0.28 UJ	0.3 UJ	0.31 UJ	0.34
TERT-BUTYLBENZENE	U	0.22 U	0.28 U	0.27 U	0.33 U	0.3 U	0.22 U	0.25 U	0.25 U	0.27

LOCATION	'G5S	DR-TG6N	DR-TG6S	DR-TL10N	DR-TL10S	DR-TL11N	DR-TL11S	DR-TL12N	DR-TL12S	DR-T
SAMPLE ID	-050916	DR-TG6N-050916	DR-TG6S-050916	DR-TL10N-050916	DR-TL10S-050916	DR-TL11N-051016	DR-TL11S-051016	DR-TL12N-050916	DR-TL12S-050916	DR-TL13I
SAMPLE DATE	0509	20160509	20160509	20160509	20160509	20160510	20160510	20160509	20160509	2016
TERTIARY-BUTYL ALCOHOL	UJ	5.5 UJ	6.9 UJ	6.7 UJ	8.2 UJ	7.4 UJ	5.5 UJ	6 UJ	6.3 UJ	6.8
TETRACHLOROETHENE	U	0.18 U	0.22 U	0.22 U	0.27 U	0.24 U	0.18 U	0.19 U	0.2 U	0.22
TOLUENE	U	0.066 U	0.083 U	0.08 U	0.098 U	0.7 U	0.48 U	0.072 U	0.075 U	0.62
TOTAL XYLENES	U	0.21 U	0.26 U	0.26 U	0.31 U	0.28 U	0.21 U	0.23 U	0.24 U	0.26
TRANS-1,2-DICHLOROETHENE	U	0.17 U	0.22 U	0.21 U	0.26 U	0.23 U	0.17 U	0.19 U	0.19 U	0.21
TRANS-1,3-DICHLOROPROPENE	U	0.17 U	0.22 U	0.21 U	0.26 U	0.23 U	0.17 U	0.19 U	0.19 U	0.21
TRICHLOROETHENE	U	0.26 U	0.32 U	0.31 U	0.38 U	0.35 U	0.26 U	0.28 U	0.29 U	0.31
TRICHLOROFLUOROMETHANE	U	0.23 U	0.29 U	0.28 U	0.34 U	0.31 U	0.23 U	0.25 U	0.26 U	0.28
VINYL ACETATE	U	0.68 U	0.85 U	0.82 U	1 U	0.92 U	0.68 U	0.74 U	0.77 U	0.83
VINYL CHLORIDE	U	0.11 U	0.14 U	0.14 U	0.17 U	0.15 U	0.11 U	0.12 U	0.13 U	0.14
TENTATIVELY IDENTIFIED COMPOUNDS-VOLATILES (MG/KG)										
.ALPHA.-PINENE		NA	NA	NA	NA	NA	NA	NA	NA	NA
.BETA.-PINENE		NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-CYCLOHEXADIENE, 1-METHYL-4-(1-METHYL		NA	NA	NA	NA	NA	NA	NA	NA	NA
1,7,7-TRIMETHYLTRICYCLO(2.2.1.0(2.6))HEPTANE		NA	NA	NA	NA	NA	NA	NA	NA	NA
1R-.ALPHA.-PINENE		NA	NA	NA	NA	NA	NA	NA	NA	NA
3-CARENE		NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE		NA	NA	NA	NA	NA	NA	2.5 NJ	NA	NA
BENZENE, 1-METHYL-3-(1-METHYLETHYL)-		NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE, 1-METHYL-3-(1-METHYLETHYL)- [9.51]		NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE, 1-METHYL-3-(1-METHYLETHYL)- [9.68]		NA	NA	NA	NA	NA	NA	NA	NA	NA
BICYCLO[2.2.1]HEPTANE, 7,7-DIMETHYL-2-ME		NA	NA	NA	NA	NA	NA	NA	NA	NA
BICYCLO[3.1.0]HEX-2-ENE, 2-METHYL-5-(1-M		NA	NA	NA	NA	NA	NA	NA	NA	NA
BICYCLO[3.1.1]HEPTANE, 6,6-DIMETHYL-2-ME		NA	NA	NA	NA	NA	NA	NA	NA	NA
CAMPHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA
CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHENYL)-, (		NA	NA	NA	NA	NA	NA	NA	NA	NA
CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHYLID		NA	NA	NA	NA	NA	NA	NA	NA	NA
D-LIMONENE		NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL ACETATE		NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXALDEHYDE		NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL ACETATE		NA	NA	NA	NA	NA	NA	NA	NA	NA
UNKNOWN		NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)										
ANTIMONY	U	0.57 U	0.63 U	0.86 U	0.82 U	0.66 U	0.68 U	0.89 U	0.8 U	0.66
ARSENIC	U	0.48 U	0.54 U	0.73 U	0.7 J	0.56 U	0.58 U	0.76 U	0.68 U	0.56
BERYLLIUM	U	0.031 U	0.034 U	0.047 U	0.044 U	0.036 U	0.037 U	0.048 U	0.043 U	0.036
CADMIUM	J	0.36 J	0.48 J	1	0.72 J	0.17 J	0.061 J	0.039 U	0.035 U	0.25
CHROMIUM	J	0.34 J	0.26 J	0.52 J	1.6 J	0.19 J	0.26 J	0.55 U	0.44 U	0.28
COPPER	J	1.4 J	1.7 J	3.8 J	2.9 J	3.7	2.6 J	3.1 J	3.4 J	2.2
LEAD	U	0.15 U	0.21 U	0.6 U	0.69 U	0.26 J	0.28 J	2	0.78 J	0.15
MERCURY	U	0.02 U	0.023 U	0.026 U	0.026 U	0.023 U	0.023 U	0.025 U	0.025 U	0.024
NICKEL	J	0.86 J	1 J	4.2 J	3.5 J	0.36 J	0.52 J	0.51 J	0.35 J	0.75
SELENIUM	U	0.4 U	0.45 U	0.61 U	0.58 U	0.82 J	0.64 J	0.63 U	0.57 U	0.48
SILVER	U	0.074 U	0.083 U	0.11 U	0.11 U	0.087 U	0.089 U	0.12 U	0.1 U	0.086
THALLIUM	J	1.5 J	1.7 J	0.23 U	0.22 U	0.18 U	0.18 U	0.24 U	0.22 U	0.18
ZINC		2.3 J	2.5 J	79	55	9.2	8	6.8 J	5.7 J	31
MISCELLANEOUS PARAMETERS (%)										
PERCENT MOISTURE		33.9	35.9	47.3	47.6	NA	NA	47.6	44.3	NA
PERCENT SOLIDS		66.1	64.1	52.7	52.4	NA	NA	52.4	55.7	NA

LOCATION	L13N	DR-TL13S	DR-TL14N	DR-TL14S	DR-TL15N	DR-TL15S	DR-TL16N	DR-TL16S	DR-TL17N	DR-TL17S
SAMPLE ID	N-051016	DR-TL13S-051016	DR-TL14N-051016	DR-TL14S-051016	DR-TL15N-051016	DR-TL15S-051016	DR-TL16N-051016	DR-TL16S-051016	DR-TL17N-050516	DR-TL17S-050516
SAMPLE DATE	0510	20160510	20160510	20160510	20160510	20160510	20160510	20160510	20160505	20160505
VOLATILES (MG/KG)										
1,1,1,2-TETRACHLOROETHANE	U	0.39 U	0.41 U	0.32 U	0.43 U	0.31 U	0.39 U	0.25 U	0.41 U	0.3 U
1,1,1-TRICHLOROETHANE	U	0.22 U	0.23 U	0.18 U	0.24 U	0.17 U	0.22 U	0.14 U	0.22 U	0.17 U
1,1,2,2-TETRACHLOROETHANE	U	0.2 U	0.21 U	0.16 U	0.22 U	0.16 U	0.2 U	0.13 U	0.21 U	0.16 U
1,1,2-TRICHLOROTRIFLUOROETHANE	U	0.33 U	0.35 U	0.28 U	0.37 U	0.27 U	0.34 U	0.21 U	0.35 U	0.26 U
1,1-DICHLOROETHANE	U	0.28 U	0.29 U	0.23 U	0.31 U	0.22 U	0.28 U	0.18 U	0.29 U	0.22 U
1,1-DICHLOROETHENE	U	0.24 U	0.25 U	0.2 U	0.26 U	0.19 U	0.24 U	0.15 U	0.25 U	0.19 U
1,1-DICHLOROPROPENE	U	0.3 U	0.32 U	0.25 U	0.33 U	0.24 U	0.3 U	0.19 U	0.32 U	0.24 U
1,2,3-TRICHLOROBENZENE	U	0.31 U	0.33 U	0.26 U	0.34 U	0.25 U	0.31 U	0.2 U	0.32 U	0.24 U
1,2,3-TRICHLOROPROPANE	U	0.82 U	0.87 U	0.67 U	0.9 U	0.66 U	0.83 U	0.52 U	0.86 U	0.64 U
1,2,3-TRIMETHYLBENZENE	U	0.1 U	0.11 U	0.085 U	0.11 U	0.083 U	0.1 U	0.065 U	0.11 U	0.081 U
1,2,4-TRICHLOROBENZENE	U	0.24 U	0.25 U	0.2 U	0.26 U	0.19 U	0.24 U	0.15 U	0.25 U	0.19 U
1,2,4-TRIMETHYLBENZENE	U	0.1 U	0.11 U	0.085 U	0.11 U	0.083 U	0.1 U	0.065 U	0.11 U	0.081 U
1,2-DIBROMO-3-CHLOROPROPANE	U	0.57 U	0.6 U	0.47 U	0.62 U	0.45 U	0.57 U	0.36 U	0.59 U	0.44 U
1,2-DIBROMOETHANE	U	0.26 U	0.27 U	0.21 U	0.28 U	0.2 U	0.26 U	0.16 U	0.27 U	0.2 U
1,2-DICHLOROBENZENE	U	0.15 U	0.16 U	0.12 U	0.17 U	0.12 U	0.15 U	0.096 U	0.16 U	0.12 U
1,2-DICHLOROETHANE	U	0.08 U	0.084 U	0.066 U	0.087 U	0.064 U	0.08 U	0.05 U	0.083 U	0.062 U
1,2-DICHLOROPROPANE	U	0.26 U	0.27 U	0.21 U	0.28 U	0.2 U	0.26 U	0.16 U	0.27 U	0.2 U
1,3-DICHLOROBENZENE	U	0.24 U	0.25 U	0.2 U	0.26 U	0.19 U	0.24 U	0.15 U	0.25 U	0.19 U
1,3-DICHLOROPROPANE	U	0.18 U	0.19 U	0.15 U	0.2 U	0.15 U	0.18 U	0.12 U	0.19 U	0.14 U
1,4-DICHLOROBENZENE	U	0.33 U	0.34 U	0.27 U	0.36 U	0.26 U	0.33 U	0.21 U	0.34 U	0.25 U
2,2-DICHLOROPROPANE	U	0.41 U	0.44 U	0.34 U	0.45 U	0.33 U	0.42 U	0.26 U	0.43 U	0.32 U
2-BUTANONE	UJ	0.58 UJ	0.61 UJ	0.48 UJ	0.64 UJ	0.47 UJ	0.59 UJ	0.37 UJ	0.61 U	0.45 U
2-CHLOROETHYL VINYL ETHER	UJ	0.62 UJ	0.66 UJ	0.51 UJ	0.68 UJ	0.5 UJ	0.63 UJ	0.39 UJ	0.65 UJ	0.48 UJ
2-CHLOROTOLUENE	U	0.33 U	0.34 U	0.27 U	0.36 U	0.26 U	0.33 U	0.21 U	0.34 U	0.25 U
2-HEXANONE	U	0.67 U	0.71 U	0.55 U	0.73 U	0.54 U	0.67 U	0.42 U	0.7 U	0.52 U
4-CHLOROTOLUENE	U	0.21 U	0.22 U	0.17 U	0.23 U	0.17 U	0.21 U	0.13 U	0.22 U	0.16 U
4-ISOPROPYLTOLUENE	U	0.2 U	0.21 U	0.16 U	0.22 U	0.16 U	0.2 U	0.13 U	0.21 U	0.16 U
4-METHYL-2-PENTANONE	U	0.45 U	0.47 U	0.37 U	0.49 U	0.36 U	0.45 U	0.28 U	0.47 U	0.35 U
ACETONE	UJ	1.8 UJ	1.9 UJ	1.5 UJ	2 UJ	1.4 UJ	1.8 UJ	1.1 UJ	2 J	1.5 J
BENZENE	U	0.072 U	0.076 U	0.059 U	0.078 U	0.058 U	0.072 U	0.045 U	0.075 U	0.056 U
BROMOBENZENE	U	0.1 U	0.11 U	0.085 U	0.11 U	0.083 U	0.1 U	0.065 U	0.11 U	0.081 U
BROMOCHLOROMETHANE	U	0.56 U	0.59 U	0.46 U	0.61 U	0.45 U	0.56 U	0.35 U	0.58 U	0.43 U
BROMODICHLOROMETHANE	U	0.3 U	0.32 U	0.25 U	0.33 U	0.24 U	0.3 U	0.19 U	0.32 U	0.24 U
BROMOFORM	U	0.49 U	0.51 U	0.4 U	0.53 U	0.39 U	0.49 U	0.31 U	0.51 U	0.38 U
BROMOMETHANE	UJ	0.41 UJ	0.43 UJ	0.33 UJ	0.44 UJ	0.33 UJ	0.41 UJ	0.26 UJ	0.42 U	0.32 U
CARBON DISULFIDE	U	0.45 U	0.47 U	0.37 U	0.49 U	0.36 U	0.45 U	0.28 U	0.47 U	0.35 U
CARBON TETRACHLORIDE	U	0.14 U	0.15 U	0.12 U	0.16 U	0.12 U	0.14 U	0.091 U	0.15 U	0.11 U
CHLOROBENZENE	U	0.1 U	0.11 U	0.085 U	0.11 U	0.083 U	0.1 U	0.065 U	0.11 U	0.081 U
CHLORODIBROMOMETHANE	U	0.16 U	0.17 U	0.13 U	0.17 U	0.13 U	0.16 U	0.1 U	0.17 U	0.12 U
CHLORODIFLUOROMETHANE	UJ	2 UJ	2.1 UJ	1.6 UJ	2.2 UJ	1.6 UJ	2 UJ	1.3 UJ	2.1 UJ	1.6 UJ
CHLOROETHANE	U	0.41 U	0.43 U	0.33 U	0.44 U	0.33 U	0.41 U	0.26 U	0.42 U	0.32 U
CHLOROFORM	U	0.29 U	0.3 U	0.24 U	0.31 U	0.23 U	0.29 U	0.18 U	0.3 U	0.22 U
CHLOROMETHANE	U	0.38 U	0.4 U	0.31 U	0.42 U	0.31 U	0.38 U	0.24 U	0.4 U	0.3 U
CIS-1,2-DICHLOROETHENE	U	0.3 U	0.32 U	0.25 U	0.33 U	0.24 U	0.3 U	0.19 U	0.32 U	0.24 U
CIS-1,3-DICHLOROPROPENE	U	0.18 U	0.18 U	0.14 U	0.19 U	0.14 U	0.18 U	0.11 U	0.18 U	0.14 U
DIBROMOMETHANE	U	0.4 U	0.42 U	0.33 U	0.44 U	0.32 U	0.4 U	0.25 U	0.42 U	0.31 U
DICHLORODIFLUOROMETHANE	U	0.49 U	0.51 U	0.4 U	0.53 U	0.39 U	0.49 U	0.31 U	0.51 U	0.38 U
DIISOPROPYL ETHER	U	0.41 U	0.44 U	0.34 U	0.45 U	0.33 U	0.42 U	0.26 U	0.43 U	0.32 U
ETHYL TERT-BUTYL ETHER	UJ	0.13 UJ	0.13 UJ	0.1 UJ	0.14 UJ	0.1 UJ	0.13 UJ	0.081 UJ	0.13 UJ	0.099 UJ
ETHYLBENZENE	U	0.28 U	0.29 U	0.23 U	0.31 U	0.22 U	0.28 U	0.18 U	0.29 U	0.22 U
HEXACHLOROBUTADIENE	U	0.35 U	0.37 U	0.29 U	0.38 U	0.28 U	0.35 U	0.22 U	0.37 U	0.27 U
ISOPROPYLBENZENE	U	0.1 U	0.11 U	0.085 U	0.11 U	0.083 U	0.1 U	0.065 U	0.11 U	0.081 U
M+P-XYLENES	U	0.16 U	0.17 U	0.13 U	0.17 U	0.13 U	0.16 U	0.1 U	0.17 U	0.12 U
METHYL TERT-BUTYL ETHER	U	0.24 U	0.25 U	0.2 U	0.26 U	0.19 U	0.24 U	0.15 U	0.25 U	0.19 U
METHYLENE CHLORIDE	U	0.68 U	0.71 U	0.56 U	0.74 U	0.54 U	0.68 U	0.43 U	0.71 U	0.53 U
NAPHTHALENE	U	0.21 U	0.22 U	0.17 U	0.23 U	0.17 U	0.21 U	0.13 U	0.22 U	0.16 U
N-BUTYLBENZENE	U	0.17 U	0.18 U	0.14 U	0.18 U	0.13 U	0.17 U	0.11 U	0.17 U	0.13 U
N-PROPYLBENZENE	U	0.49 U	0.51 U	0.4 U	0.53 U	0.39 U	0.49 U	0.31 U	0.51 U	0.38 U
O-XYLENE	U	0.14 U	0.14 U	0.11 U	0.15 U	0.11 U	0.14 U	0.086 U	0.14 U	0.11 U
SEC-BUTYLBENZENE	U	0.13 U	0.13 U	0.1 U	0.14 U	0.1 U	0.13 U	0.081 U	0.13 U	0.099 U
STYRENE	U	0.22 U	0.23 U	0.18 U	0.24 U	0.17 U	0.22 U	0.14 U	0.22 U	0.17 U
TERT-AMYL METHYL ETHER	UJ	0.33 UJ	0.35 UJ	0.28 UJ	0.37 UJ	0.27 UJ	0.34 UJ	0.21 UJ	0.35 UJ	0.26 UJ
TERT-BUTYLBENZENE	U	0.27 U	0.29 U	0.22 U	0.3 U	0.22 U	0.27 U	0.17 U	0.28 U	0.21 U

LOCATION SAMPLE ID SAMPLE DATE	L13N N-051016 0510	DR-TL13S DR-TL13S-051016 20160510	DR-TL14N DR-TL14N-051016 20160510	DR-TL14S DR-TL14S-051016 20160510	DR-TL15N DR-TL15N-051016 20160510	DR-TL15S DR-TL15S-051016 20160510	DR-TL16N DR-TL16N-051016 20160510	DR-TL16S DR-TL16S-051016 20160510	DR-TL17N DR-TL17N-050516 20160505	DR-TL17S DR-TL17S-050516 20160505
TERTIARY-BUTYL ALCOHOL	UJ	6.7 UJ	7 UJ	5.5 UJ	7.3 UJ	5.4 UJ	6.7 UJ	4.2 UJ	7 UJ	5.2 UJ
TETRACHLOROETHENE	U	0.22 U	0.23 U	0.18 U	0.24 U	0.17 U	0.22 U	0.14 U	0.22 U	0.17 U
TOLUENE	U	0.41 U	0.63 U	0.28 U	0.6 U	0.36 U	0.59 U	0.36 U	0.16 U	0.12 U
TOTAL XYLENES	U	0.26 U	0.27 U	0.21 U	0.28 U	0.2 U	0.26 U	0.16 U	0.27 U	0.2 U
TRANS-1,2-DICHLOROETHENE	U	0.21 U	0.22 U	0.17 U	0.23 U	0.17 U	0.21 U	0.13 U	0.22 U	0.16 U
TRANS-1,3-DICHLOROPROPENE	U	0.21 U	0.22 U	0.17 U	0.23 U	0.17 U	0.21 U	0.13 U	0.22 U	0.16 U
TRICHLOROETHENE	U	0.31 U	0.33 U	0.26 U	0.34 U	0.25 U	0.31 U	0.2 U	0.32 U	0.24 U
TRICHLOROFLUOROMETHANE	U	0.28 U	0.29 U	0.23 U	0.31 U	0.22 U	0.28 U	0.18 U	0.29 U	0.22 U
VINYL ACETATE	U	0.82 U	0.87 U	0.67 U	0.9 U	0.66 U	0.83 U	0.52 U	0.86 U	0.64 U
VINYL CHLORIDE	U	0.14 U	0.14 U	0.11 U	0.15 U	0.11 U	0.14 U	0.086 U	0.14 U	0.11 U
TENTATIVELY IDENTIFIED COMPOUNDS-VOLATILES (MG/KG)										
.ALPHA.-PINENE		NA	NA	NA	NA	NA	NA	NA	NA	NA
.BETA.-PINENE		NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-CYCLOHEXADIENE, 1-METHYL-4-(1-METHYL		NA	NA	NA	NA	NA	NA	NA	NA	NA
1,7,7-TRIMETHYLTRICYCLO(2.2.1.0(2.6))HEPTANE		NA	NA	NA	NA	NA	NA	NA	NA	NA
1R-.ALPHA.-PINENE		NA	NA	NA	NA	NA	NA	NA	NA	NA
3-CARENE		NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE		NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE, 1-METHYL-3-(1-METHYLETHYL)-		NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE, 1-METHYL-3-(1-METHYLETHYL)- [9.51]		NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE, 1-METHYL-3-(1-METHYLETHYL)- [9.68]		NA	NA	NA	NA	NA	NA	NA	NA	NA
BICYCLO[2.2.1]HEPTANE, 7,7-DIMETHYL-2-ME		NA	NA	NA	NA	NA	NA	NA	NA	NA
BICYCLO[3.1.0]HEX-2-ENE, 2-METHYL-5-(1-M		NA	NA	NA	NA	NA	NA	NA	NA	NA
BICYCLO[3.1.1]HEPTANE, 6,6-DIMETHYL-2-ME		NA	NA	NA	NA	NA	NA	NA	NA	NA
CAMPHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA
CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHENYL)-, (		NA	NA	NA	NA	NA	NA	NA	NA	NA
CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHYLID		NA	NA	NA	NA	NA	NA	NA	NA	NA
D-LIMONENE		NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL ACETATE		NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXALDEHYDE		NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL ACETATE		NA	NA	NA	NA	NA	NA	NA	NA	NA
UNKNOWN		NA	NA	NA	NA	NA	NA	NA	NA	1.6 NJ
METALS (MG/KG)										
ANTIMONY	U	0.74 U	0.76 U	0.58 U	0.69 U	0.58 U	0.71 U	0.66 U	0.72 U	0.66 U
ARSENIC	U	0.64 U	0.64 U	0.49 U	0.59 U	0.49 U	0.61 U	0.57 U	0.61 U	0.56 U
BERYLLIUM	U	0.04 U	0.041 U	0.031 U	0.038 U	0.045 J	0.039 U	0.036 U	0.039 U	0.036 U
CADMIUM	J	0.22 J	1.4	1.3	0.22 J	0.17 J	0.11 J	0.063 J	0.095 J	0.073 J
CHROMIUM	J	0.26 J	0.31 J	0.22 J	0.3 J	0.24 J	0.22 J	0.2 J	3	0.44 J
COPPER	J	2.6 J	2.3 J	2.3 J	1.7 J	1.3 J	1.5 J	1.9 J	2.9 J	1.9 J
LEAD	J	0.038 J	0.098 J	0.043 J	0.032 U	0.045 J	0.25 J	0.062 J	0.26 U	0.03 U
MERCURY	U	0.028 U	0.026 U	0.023 U	0.023 U	0.021 U	0.02 U	0.022 U	0.022 U	0.018 U
NICKEL	J	0.87 J	1.5 J	1.7 J	1.1 J	1.1 J	0.72 J	0.46 J	1.6 J	0.39 J
SELENIUM	J	0.78 J	0.77 J	0.41 U	0.64 J	0.41 U	0.5 U	0.47 U	0.51 U	0.49 J
SILVER	U	0.098 U	0.099 U	0.076 U	0.091 U	0.076 U	0.093 U	0.087 U	0.094 U	0.086 U
THALLIUM	U	0.2 U	0.2 U	0.16 U	0.19 U	0.16 U	0.19 U	0.18 U	0.19 U	0.18 U
ZINC		34	40	43	3 J	1.9 J	2.6 J	2.2 J	5.6 J	3.5 J
MISCELLANEOUS PARAMETERS (%)										
PERCENT MOISTURE		NA	NA	NA	NA	NA	NA	NA	38.2	30.6
PERCENT SOLIDS		NA	NA	NA	NA	NA	NA	NA	61.8	69.4

LOCATION	DR-TL18N			DR-TL18S	DR-TL1N	DR-TL1S			DR-T
SAMPLE ID	DR-TL18N-050916	DR-TL18N-050916-AVG	DR-TL18N-050916-D	DR-TL18S-050916	DR-TL1N-050916	DR-TL1S-050916	DR-TL1S-050916-AVG	DR-TL1S-050916-D	DR-TL2N
SAMPLE DATE	20160509	20160509	20160509	20160509	20160509	20160509	20160509	20160509	2016
VOLATILES (MG/KG)									
1,1,1,2-TETRACHLOROETHANE	0.6 U	0.615 U	0.63 U	0.35 U	2.4 U	2.8 U	2.25 U	1.7 U	1.5
1,1,1-TRICHLOROETHANE	0.33 U	0.34 U	0.35 U	0.19 U	1.3 U	1.5 U	1.21 U	0.92 U	0.84
1,1,2,2-TETRACHLOROETHANE	0.3 U	0.31 U	0.32 U	0.18 U	1.2 U	1.4 U	1.125 U	0.85 U	0.78
1,1,2-TRICHLOROTRIFLUOROETHANE	0.51 U	0.525 U	0.54 U	0.3 U	2 U	2.4 U	1.9 U	1.4 U	1.3
1,1-DICHLOROETHANE	0.43 U	0.44 U	0.45 U	0.25 U	1.7 U	2 U	1.6 U	1.2 U	1.1
1,1-DICHLOROETHENE	0.37 U	0.38 U	0.39 U	0.21 U	1.5 U	1.7 U	1.35 U	1 U	0.94
1,1-DICHLOROPROPENE	0.46 U	0.475 U	0.49 U	0.27 U	1.8 U	2.1 U	1.7 U	1.3 U	1.2
1,2,3-TRICHLOROBENZENE	0.48 U	0.49 U	0.5 U	0.28 U	1.9 U	2.2 U	1.75 U	1.3 U	1.2
1,2,3-TRICHLOROPROPANE	1.3 U	1.3 U	1.3 U	0.73 U	5 U	5.8 U	4.65 U	3.5 U	3.2
1,2,3-TRIMETHYLBENZENE	0.16 U	0.165 U	0.17 U	0.093 U	0.63 U	0.73 U	0.585 U	0.44 U	0.41
1,2,4-TRICHLOROBENZENE	0.37 U	0.38 U	0.39 U	0.21 U	1.5 U	1.7 U	1.35 U	1 U	0.94
1,2,4-TRIMETHYLBENZENE	0.16 U	0.165 U	0.17 U	0.093 U	0.63 U	0.73 U	0.585 U	0.44 U	0.41
1,2-DIBROMO-3-CHLOROPROPANE	0.87 U	0.895 U	0.92 U	0.51 U	3.4 U	4 U	3.2 U	2.4 U	2.2
1,2-DIBROMOETHANE	0.39 U	0.4 U	0.41 U	0.23 U	1.5 U	1.8 U	1.45 U	1.1 U	1
1,2-DICHLOROBENZENE	0.23 U	0.24 U	0.25 U	0.14 U	0.92 U	1.1 U	0.875 U	0.65 U	0.59
1,2-DICHLOROETHANE	0.12 U	0.125 U	0.13 U	0.071 U	0.48 U	0.56 U	0.45 U	0.34 U	0.31
1,2-DICHLOROPROPANE	0.39 U	0.4 U	0.41 U	0.23 U	1.5 U	1.8 U	1.45 U	1.1 U	1
1,3-DICHLOROBENZENE	0.37 U	0.38 U	0.39 U	0.21 U	1.5 U	1.7 U	1.35 U	1 U	0.94
1,3-DICHLOROPROPANE	0.28 U	0.29 U	0.3 U	0.16 U	1.1 U	1.3 U	1.04 U	0.78 U	0.72
1,4-DICHLOROBENZENE	0.5 U	0.515 U	0.53 U	0.29 U	2 U	2.3 U	1.85 U	1.4 U	1.3
2,2-DICHLOROPROPANE	0.63 U	0.65 U	0.67 U	0.37 U	2.5 U	2.9 U	2.35 U	1.8 U	1.6
2-BUTANONE	0.89 UJ	0.915 U	0.94 UJ	0.52 UJ	3.5 U	4.1 U	3.3 U	2.5 U	2.3
2-CHLOROETHYL VINYL ETHER	0.95 UJ	0.975 U	1 UJ	0.56 UJ	3.8 UJ	4.4 UJ	3.55 U	2.7 UJ	2.4
2-CHLOROTOLUENE	0.5 U	0.515 U	0.53 U	0.29 U	2 U	2.3 U	1.85 U	1.4 U	1.3
2-HEXANONE	1 U	1.05 U	1.1 U	0.6 U	4.1 U	4.7 U	3.8 U	2.9 U	2.6
4-CHLOROTOLUENE	0.32 U	0.33 U	0.34 U	0.19 U	1.3 U	1.5 U	1.195 U	0.89 U	0.81
4-ISOPROPYLTOLUENE	0.3 U	0.31 U	0.32 U	0.18 U	11 J	9.2 J	7.65	6.1 J	2.1
4-METHYL-2-PENTANONE	0.68 U	0.7 U	0.72 U	0.4 U	2.7 U	3.2 U	2.55 U	1.9 U	1.8
ACETONE	3.2 J	3.35	3.5 J	1.6 UJ	12 J	14 J	11.3	8.6 J	7.1
BENZENE	0.11 U	0.115 U	0.12 U	0.064 U	0.44 U	0.51 U	0.41 U	0.31 U	0.28
BROMOBENZENE	0.16 U	0.165 U	0.17 U	0.093 U	0.63 U	0.73 U	0.585 U	0.44 U	0.41
BROMOCHLOROMETHANE	0.85 U	0.875 U	0.9 U	0.5 U	3.4 U	3.9 U	3.15 U	2.4 U	2.2
BROMODICHLOROMETHANE	0.46 U	0.475 U	0.49 U	0.27 U	1.8 U	2.1 U	1.7 U	1.3 U	1.2
BROMOFORM	0.74 U	0.765 U	0.79 U	0.43 U	3 U	3.4 U	2.75 U	2.1 U	1.9
BROMOMETHANE	0.62 UJ	0.64 U	0.66 UJ	0.36 UJ	2.5 U	2.9 U	2.3 U	1.7 U	1.6
CARBON DISULFIDE	0.68 U	0.7 U	0.72 U	0.4 U	2.7 U	3.2 U	2.55 U	1.9 U	1.8
CARBON TETRACHLORIDE	0.22 U	0.225 U	0.23 U	0.13 U	0.87 U	1 U	0.805 U	0.61 U	0.56
CHLOROBENZENE	0.16 U	0.165 U	0.17 U	0.093 U	0.63 U	0.73 U	0.585 U	0.44 U	0.41
CHLORODIBROMOMETHANE	0.24 U	0.25 U	0.26 U	0.14 U	0.97 U	1.1 U	0.89 U	0.68 U	0.63
CHLORODIFLUOROMETHANE	3 UJ	3.1 U	3.2 UJ	1.8 UJ	12 UJ	14 UJ	11.25 U	8.5 UJ	7.8
CHLOROETHANE	0.62 U	0.64 U	0.66 U	0.36 U	2.5 U	2.9 U	2.3 U	1.7 U	1.6
CHLOROFORM	0.44 U	0.455 U	0.47 U	0.26 U	1.7 U	2 U	1.6 U	1.2 U	1.1
CHLOROMETHANE	0.59 U	0.605 U	0.62 U	0.34 U	2.3 U	2.7 U	2.15 U	1.6 U	1.5
CIS-1,2-DICHLOROETHENE	0.46 U	0.475 U	0.49 U	0.27 U	1.8 U	2.1 U	1.7 U	1.3 U	1.2
CIS-1,3-DICHLOROPROPENE	0.27 U	0.275 U	0.28 U	0.16 U	1.1 U	1.2 U	0.975 U	0.75 U	0.69
DIBROMOMETHANE	0.61 U	0.63 U	0.65 U	0.36 U	2.4 U	2.8 U	2.25 U	1.7 U	1.6
DICHLORODIFLUOROMETHANE	0.74 U	0.765 U	0.79 U	0.43 U	3 U	3.4 U	2.75 U	2.1 U	1.9
DIISOPROPYL ETHER	0.63 U	0.65 U	0.67 U	0.37 U	2.5 U	2.9 U	2.35 U	1.8 U	1.6
ETHYL TERT-BUTYL ETHER	0.2 UJ	0.205 U	0.21 UJ	0.11 UJ	0.77 UJ	0.9 UJ	0.725 U	0.55 UJ	0.5
ETHYLBENZENE	0.43 U	0.44 U	0.45 U	0.25 U	1.7 U	2 U	1.6 U	1.2 U	1.1
HEXACHLOROBUTADIENE	0.54 U	0.555 U	0.57 U	0.31 U	2.1 U	2.5 U	2 U	1.5 U	1.4
ISOPROPYLBENZENE	0.16 U	0.165 U	0.17 U	0.093 U	0.63 U	0.73 U	0.585 U	0.44 U	0.41
M+P-XYLENES	0.24 U	0.25 U	0.26 U	0.14 U	0.97 U	1.1 U	0.89 U	0.68 U	0.63
METHYL TERT-BUTYL ETHER	0.37 U	0.38 U	0.39 U	0.21 U	1.5 U	1.7 U	1.35 U	1 U	0.94
METHYLENE CHLORIDE	1 U	1.05 U	1.1 U	0.61 U	4.1 U	4.8 U	3.85 U	2.9 U	2.7
NAPHTHALENE	0.32 U	0.33 U	0.34 U	0.19 U	1.3 U	1.5 U	1.195 U	0.89 U	0.81
N-BUTYLBENZENE	0.26 U	0.265 U	0.27 U	0.15 U	1 U	1.2 U	0.96 U	0.72 U	0.66
N-PROPYLBENZENE	0.74 U	0.765 U	0.79 U	0.43 U	3 U	3.4 U	2.75 U	2.1 U	1.9
O-XYLENE	0.21 U	0.215 U	0.22 U	0.12 U	0.82 U	0.96 U	0.77 U	0.58 U	0.53
SEC-BUTYLBENZENE	0.2 U	0.205 U	0.21 U	0.11 U	0.77 U	0.9 U	0.725 U	0.55 U	0.5
STYRENE	0.33 U	0.34 U	0.35 U	0.19 U	1.3 U	1.5 U	1.21 U	0.92 U	0.84
TERT-AMYL METHYL ETHER	0.51 UJ	0.525 U	0.54 UJ	0.3 UJ	2 UJ	2.4 UJ	1.9 U	1.4 UJ	1.3
TERT-BUTYLBENZENE	0.41 U	0.425 U	0.44 U	0.24 U	1.6 U	1.9 U	1.55 U	1.2 U	1.1

LOCATION	DR-TL18N			DR-TL18S	DR-TL1N	DR-TL1S			DR-T
SAMPLE ID	DR-TL18N-050916	DR-TL18N-050916-AVG	DR-TL18N-050916-D	DR-TL18S-050916	DR-TL1N-050916	DR-TL1S-050916	DR-TL1S-050916-AVG	DR-TL1S-050916-D	DR-TL2N
SAMPLE DATE	20160509	20160509	20160509	20160509	20160509	20160509	20160509	20160509	2016
TERTIARY-BUTYL ALCOHOL	10 UJ	10.5 U	11 UJ	6 UJ	41 UJ	47 UJ	38 U	29 UJ	26
TETRACHLOROETHENE	0.33 U	0.34 U	0.35 U	0.19 U	1.3 U	1.5 U	1.21 U	0.92 U	0.84
TOLUENE	0.95 U	0.895 U	0.84 U	0.53 U	0.54 U	0.56 U	0.45 U	0.34 U	1
TOTAL XYLENES	0.39 U	0.4 U	0.41 U	0.23 U	1.5 U	1.8 U	1.45 U	1.1 U	1
TRANS-1,2-DICHLOROETHENE	0.32 U	0.33 U	0.34 U	0.19 U	1.3 U	1.5 U	1.195 U	0.89 U	0.81
TRANS-1,3-DICHLOROPROPENE	0.32 U	0.33 U	0.34 U	0.19 U	1.3 U	1.5 U	1.195 U	0.89 U	0.81
TRICHLOROETHENE	0.48 U	0.49 U	0.5 U	0.28 U	1.9 U	2.2 U	1.75 U	1.3 U	1.2
TRICHLOROFLUOROMETHANE	0.43 U	0.44 U	0.45 U	0.25 U	1.7 U	2 U	1.6 U	1.2 U	1.1
VINYL ACETATE	1.3 U	1.3 U	1.3 U	0.73 U	5 U	5.8 U	4.65 U	3.5 U	3.2
VINYL CHLORIDE	0.21 U	0.215 U	0.22 U	0.12 U	0.82 U	0.96 U	0.77 U	0.58 U	0.53
TENTATIVELY IDENTIFIED COMPOUNDS-VOLATILES (MG/KG)									
.ALPHA.-PINENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
.BETA.-PINENE	NA	NA	NA	NA	610 NJ	700 NJ	700 NJ	NA	410
1,4-CYCLOHEXADIENE, 1-METHYL-4-(1-METHYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,7,7-TRIMETHYLTRICYCLO(2.2.1.0(2.6))HEPTANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1R-.ALPHA.-PINENE	NA	NA	NA	NA	1200 NJ	910 NJ	950	990 NJ	1100
3-CARENE	NA	NA	NA	NA	550 NJ	470 NJ	385	300 NJ	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE, 1-METHYL-3-(1-METHYLETHYL)-	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE, 1-METHYL-3-(1-METHYLETHYL)- [9.51]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE, 1-METHYL-3-(1-METHYLETHYL)- [9.68]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BICYCLO[2.2.1]HEPTANE, 7,7-DIMETHYL-2-ME	NA	NA	NA	NA	NA	NA	NA	NA	NA
BICYCLO[3.1.0]HEX-2-ENE, 2-METHYL-5-(1-M	NA	NA	NA	NA	NA	NA	NA	NA	NA
BICYCLO[3.1.1]HEPTANE, 6,6-DIMETHYL-2-ME	NA	NA	NA	NA	NA	NA	NA	550 NJ	NA
CAMPHENE	NA	NA	NA	NA	46 NJ	48 NJ	43.5	39 NJ	43
CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHENYL)-, (	NA	NA	NA	NA	NA	NA	NA	NA	NA
CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHYLID	NA	NA	NA	NA	41 NJ	36 NJ	32.5	29 NJ	NA
D-LIMONENE	NA	NA	NA	NA	NA	37 NJ	34	31 NJ	24
ETHYL ACETATE	NA	NA	12 NJ	NA	NA	NA	NA	NA	NA
HEXALDEHYDE	4.9 NJ	4.9 NJ	NA	NA	NA	NA	NA	NA	NA
METHYL ACETATE	NA	NA	3.3 NJ	NA	NA	NA	NA	NA	NA
UNKNOWN	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	0.85 U	0.975 U	1.1 U	0.58 U	1 U	0.74 U	0.87 U	1 U	0.92
ARSENIC	0.73 U	0.835 U	0.94 U	0.5 J	0.88 U	0.64 U	0.745 U	0.85 U	0.79
BERYLLIUM	0.046 U	0.053 U	0.06 U	0.031 U	0.056 U	0.04 U	0.047 U	0.054 U	0.05
CADMIUM	0.39 J	0.415	0.44 J	0.19 J	0.47 J	0.14 J	0.135	0.13 J	0.1
CHROMIUM	0.5 U	0.605 U	0.71 U	1.5	1.2 J	1.6	1.6	1.6 J	0.46
COPPER	4.2 J	5.6	7	4.7	5 J	4.4	3.7	3 J	4.4
LEAD	0.2 J	0.305	0.41 J	0.25 J	0.31 U	0.34 U	0.415 U	0.49 U	0.29
MERCURY	0.037 U	0.04 U	0.043 U	0.026 U	0.037 U	0.03 U	0.03 U	0.03 U	0.032
NICKEL	2.4 J	4.05	5.7 J	1.6 J	0.76 J	0.78 J	0.76	0.74 J	1.2
SELENIUM	0.87 U	0.825 U	0.78 U	0.41 U	0.73 U	0.53 U	0.7825	1.3 J	0.76
SILVER	0.11 U	0.125 U	0.14 U	0.076 U	0.14 U	0.098 U	0.114 U	0.13 U	0.12
THALLIUM	0.23 U	0.265 U	0.3 U	0.16 U	0.28 U	0.2 U	0.235 U	0.27 U	0.25
ZINC	8.4 J	11.2	14	7.6	66	52	32.5	13	87
MISCELLANEOUS PARAMETERS (%)									
PERCENT MOISTURE	59.2	60.55	61.9	37.6	57.4	55.5	55	54.5	57
PERCENT SOLIDS	40.8	39.45	38.1	62.4	42.6	44.5	45	45.5	43

LOCATION	TL2N	DR-TL2S	DR-TL3N	DR-TL3S	DR-TL4N	DR-TL4S			DR-TL5N	DR-T
SAMPLE ID	-050916	DR-TL2S-050916	DR-TL3N-051016	DR-TL3S-051016	DR-TL4N-050916	DR-TL4S-050916	DR-TL4S-050916-AVG	DR-TL4S-050916-D	DR-TL5N-050516	DR-TL5S
SAMPLE DATE	0509	20160509	20160510	20160510	20160509	20160509	20160509	20160509	20160505	2016
VOLATILES (MG/KG)										
1,1,1,2-TETRACHLOROETHANE	U	5.6 U	4.2 U	2.1 U	0.48 U	0.41 U	0.415 U	0.42 U	0.4 U	0.42
1,1,1-TRICHLOROETHANE	U	3.1 U	2.3 U	1.2 U	0.27 U	0.22 U	0.225 U	0.23 U	0.22 U	0.23
1,1,2,2-TETRACHLOROETHANE	U	2.9 U	2.1 U	1.1 U	0.25 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21
1,1,2-TRICHLOROTRIFLUOROETHANE	U	4.8 U	3.6 U	1.8 U	0.41 U	0.35 U	0.355 U	0.36 U	0.35 U	0.36
1,1-DICHLOROETHANE	U	4 U	3 U	1.5 U	0.34 U	0.29 U	0.295 U	0.3 U	0.29 U	0.3
1,1-DICHLOROETHENE	U	3.5 U	2.6 U	1.3 U	0.29 U	0.25 U	0.25 U	0.25 U	0.25 U	0.26
1,1-DICHLOROPROPENE	U	4.4 U	3.2 U	1.6 U	0.37 U	0.31 U	0.315 U	0.32 U	0.31 U	0.32
1,2,3-TRICHLOROBENZENE	U	4.5 U	3.3 U	1.7 U	0.38 U	0.32 U	0.325 U	0.33 U	0.32 U	0.33
1,2,3-TRICHLOROPROPANE	U	12 U	8.8 U	4.4 U	1 U	0.85 U	0.865 U	0.88 U	0.85 U	0.88
1,2,3-TRIMETHYLBENZENE	U	1.5 U	1.1 U	0.56 U	0.13 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11
1,2,4-TRICHLOROBENZENE	U	3.5 U	2.6 U	1.3 U	0.29 U	0.25 U	0.25 U	0.25 U	0.25 U	0.26
1,2,4-TRIMETHYLBENZENE	U	1.5 U	1.1 U	0.56 U	0.13 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11
1,2-DIBROMO-3-CHLOROPROPANE	U	8.2 U	6.1 U	3 U	0.7 U	0.59 U	0.595 U	0.6 U	0.58 U	0.61
1,2-DIBROMOETHANE	U	3.7 U	2.7 U	1.4 U	0.31 U	0.27 U	0.27 U	0.27 U	0.26 U	0.27
1,2-DICHLOROBENZENE	U	2.2 U	1.6 U	0.81 U	0.19 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16
1,2-DICHLOROETHANE	U	1.2 U	0.85 U	0.43 U	0.098 U	0.083 U	0.084 U	0.085 U	0.082 U	0.085
1,2-DICHLOROPROPANE	U	3.7 U	2.7 U	1.4 U	0.31 U	0.27 U	0.27 U	0.27 U	0.26 U	0.27
1,3-DICHLOROBENZENE	U	3.5 U	2.6 U	1.3 U	0.29 U	0.25 U	0.25 U	0.25 U	0.25 U	0.26
1,3-DICHLOROPROPANE	U	2.6 U	2 U	0.99 U	0.23 U	0.19 U	0.195 U	0.2 U	0.19 U	0.2
1,4-DICHLOROBENZENE	U	4.7 U	3.5 U	1.8 U	0.4 U	0.34 U	0.345 U	0.35 U	0.34 U	0.35
2,2-DICHLOROPROPANE	U	6 U	4.4 U	2.2 U	0.51 U	0.43 U	0.435 U	0.44 U	0.43 U	0.44
2-BUTANONE	UJ	8.4 UJ	6.2 UJ	3.1 UJ	0.72 U	0.6 U	0.61 U	0.62 U	0.6 U	0.62
2-CHLOROETHYL VINYL ETHER	UJ	9 UJ	6.7 UJ	3.3 UJ	0.77 UJ	0.65 UJ	0.655 U	0.66 UJ	0.64 UJ	0.67
2-CHLOROTOLUENE	U	4.7 U	3.5 U	1.8 U	0.4 U	0.34 U	0.345 U	0.35 U	0.34 U	0.35
2-HEXANONE	U	9.7 U	7.2 U	3.6 U	0.82 U	0.7 U	0.705 U	0.71 U	0.69 U	0.72
4-CHLOROTOLUENE	U	3 U	2.2 U	1.1 U	0.26 U	0.22 U	0.22 U	0.22 U	0.21 U	0.22
4-ISOPROPYLTOLUENE	J	9 J	3.7 J	4 J	0.33 J	0.21 U	0.21 U	0.21 U	0.21 U	0.21
4-METHYL-2-PENTANONE	U	6.4 U	4.8 U	2.4 U	0.55 U	0.46 U	0.47 U	0.48 U	0.46 U	0.48
ACETONE	UJ	26 UJ	19 UJ	9.7 UJ	2.2 J	1.9 UJ	1.475	2 J	1.9 J	1.9
BENZENE	U	1 U	0.77 U	0.39 U	0.088 U	0.075 U	0.0755 U	0.076 U	0.074 U	0.077
BROMOBENZENE	U	1.5 U	1.1 U	0.56 U	0.13 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11
BROMOCHLOROMETHANE	U	8.1 U	6 U	3 U	0.69 U	0.58 U	0.585 U	0.59 U	0.58 U	0.6
BROMODICHLOROMETHANE	U	4.4 U	3.2 U	1.6 U	0.37 U	0.31 U	0.315 U	0.32 U	0.31 U	0.32
BROMOFORM	U	7 U	5.2 U	2.6 U	0.6 U	0.51 U	0.515 U	0.52 U	0.5 U	0.52
BROMOMETHANE	UJ	5.9 UJ	4.4 UJ	2.2 UJ	0.5 U	0.42 U	0.425 U	0.43 U	0.42 U	0.44
CARBON DISULFIDE	U	6.4 U	4.8 U	2.4 U	0.55 U	0.46 U	0.47 U	0.48 U	0.46 U	0.48
CARBON TETRACHLORIDE	U	2.1 U	1.5 U	0.77 U	0.18 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15
CHLOROBENZENE	U	1.5 U	1.1 U	0.56 U	0.13 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11
CHLORODIBROMOMETHANE	U	2.3 U	1.7 U	0.86 U	0.2 U	0.17 U	0.17 U	0.17 U	0.16 U	0.17
CHLORODIFLUOROMETHANE	UJ	29 UJ	21 UJ	11 UJ	2.5 UJ	2.1 UJ	2.1 U	2.1 UJ	2.1 UJ	2.1
CHLOROETHANE	U	5.9 U	4.4 U	2.2 U	0.5 U	0.42 U	0.425 U	0.43 U	0.42 U	0.44
CHLOROFORM	U	4.1 U	3.1 U	1.5 U	0.35 U	0.3 U	0.305 U	0.31 U	0.3 U	0.31
CHLOROMETHANE	U	5.5 U	4.1 U	2.1 U	0.47 U	0.4 U	0.405 U	0.41 U	0.39 U	0.41
CIS-1,2-DICHLOROETHENE	U	4.4 U	3.2 U	1.6 U	0.37 U	0.31 U	0.315 U	0.32 U	0.31 U	0.32
CIS-1,3-DICHLOROPROPENE	U	2.5 U	1.9 U	0.94 U	0.22 U	0.18 U	0.185 U	0.19 U	0.18 U	0.19
DIBROMOMETHANE	U	5.8 U	4.3 U	2.1 U	0.49 U	0.41 U	0.415 U	0.42 U	0.41 U	0.43
DICHLORODIFLUOROMETHANE	U	7 U	5.2 U	2.6 U	0.6 U	0.51 U	0.515 U	0.52 U	0.5 U	0.52
DIISOPROPYL ETHER	U	6 U	4.4 U	2.2 U	0.51 U	0.43 U	0.435 U	0.44 U	0.43 U	0.44
ETHYL TERT-BUTYL ETHER	UJ	1.8 UJ	1.4 UJ	0.69 UJ	0.16 UJ	0.13 UJ	0.135 U	0.14 UJ	0.13 UJ	0.14
ETHYLBENZENE	U	4 U	3 U	1.5 U	0.34 U	0.29 U	0.295 U	0.3 U	0.29 U	0.3
HEXACHLOROBUTADIENE	U	5.1 U	3.8 U	1.9 U	0.43 U	0.36 U	0.365 U	0.37 U	0.36 U	0.38
ISOPROPYLBENZENE	U	1.5 U	1.1 U	0.56 U	0.13 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11
M+P-XYLENES	U	2.3 U	1.7 U	0.86 U	0.2 U	0.17 U	0.17 U	0.17 U	0.16 U	0.17
METHYL TERT-BUTYL ETHER	U	3.5 U	2.6 U	1.3 U	0.29 U	0.25 U	0.25 U	0.25 U	0.25 U	0.26
METHYLENE CHLORIDE	U	9.8 U	7.3 U	3.6 U	0.83 U	0.7 U	0.71 U	0.72 U	0.7 U	0.73
NAPHTHALENE	U	3 U	2.2 U	1.1 U	0.26 U	0.22 U	0.22 U	0.22 U	0.21 U	0.22
N-BUTYLBENZENE	U	2.4 U	1.8 U	0.9 U	0.21 U	0.17 U	0.175 U	0.18 U	0.17 U	0.18
N-PROPYLBENZENE	U	7 U	5.2 U	2.6 U	0.6 U	0.51 U	0.515 U	0.52 U	0.5 U	0.52
O-XYLENE	U	2 U	1.5 U	0.73 U	0.17 U	0.14 U	0.14 U	0.14 U	0.14 U	0.15
SEC-BUTYLBENZENE	U	1.8 U	1.4 U	0.69 U	0.16 U	0.13 U	0.135 U	0.14 U	0.13 U	0.14
STYRENE	U	3.1 U	2.3 U	1.2 U	0.27 U	0.22 U	0.225 U	0.23 U	0.22 U	0.23
TERT-AMYL METHYL ETHER	UJ	4.8 UJ	3.6 UJ	1.8 UJ	0.41 UJ	0.35 UJ	0.355 U	0.36 UJ	0.35 UJ	0.36
TERT-BUTYLBENZENE	U	3.9 U	2.9 U	1.5 U	0.33 U	0.28 U	0.285 U	0.29 U	0.28 U	0.29

LOCATION	L2N	DR-TL2S	DR-TL3N	DR-TL3S	DR-TL4N	DR-TL4S			DR-TL5N	DR-
SAMPLE ID	-050916	DR-TL2S-050916	DR-TL3N-051016	DR-TL3S-051016	DR-TL4N-050916	DR-TL4S-050916	DR-TL4S-050916-AVG	DR-TL4S-050916-D	DR-TL5N-050516	DR-TL5S
SAMPLE DATE	0509	20160509	20160510	20160510	20160509	20160509	20160509	20160509	20160505	2016
TERTIARY-BUTYL ALCOHOL	UJ	96 UJ	72 UJ	36 UJ	8.2 UJ	6.9 UJ	7 U	7.1 UJ	6.9 UJ	7.1
TETRACHLOROETHENE	U	3.1 U	2.3 U	1.2 U	0.27 U	0.22 U	0.225 U	0.23 U	0.22 U	0.23
TOLUENE	U	1.2 U	1.3 U	0.62 U	0.098 U	0.083 U	0.084 U	0.085 U	0.18 U	0.19
TOTAL XYLENES	U	3.7 U	2.7 U	1.4 U	0.31 U	0.27 U	0.27 U	0.27 U	0.26 U	0.27
TRANS-1,2-DICHLOROETHENE	U	3 U	2.2 U	1.1 U	0.26 U	0.22 U	0.22 U	0.22 U	0.21 U	0.22
TRANS-1,3-DICHLOROPROPENE	U	3 U	2.2 U	1.1 U	0.26 U	0.22 U	0.22 U	0.22 U	0.21 U	0.22
TRICHLOROETHENE	U	4.5 U	3.3 U	1.7 U	0.38 U	0.32 U	0.325 U	0.33 U	0.32 U	0.33
TRICHLOROFLUOROMETHANE	U	4 U	3 U	1.5 U	0.34 U	0.29 U	0.295 U	0.3 U	0.29 U	0.3
VINYL ACETATE	U	12 U	8.8 U	4.4 U	1 U	0.85 U	0.865 U	0.88 U	0.85 U	0.88
VINYL CHLORIDE	U	2 U	1.5 U	0.73 U	0.17 U	0.14 U	0.14 U	0.14 U	0.14 U	0.15
TENTATIVELY IDENTIFIED COMPOUNDS-VOLATILES (MG/KG)										
.ALPHA.-PINENE		NA	NA	1800 NJ	NA	NA	NA	NA	NA	NA
.BETA.-PINENE	NJ	1400 NJ	770 NJ	650 NJ	NA	NA	NA	NA	NA	NA
1,4-CYCLOHEXADIENE, 1-METHYL-4-(1-METHYL		NA	NA	NA	NA	NA	NA	NA	NA	NA
1,7,7-TRIMETHYLTRICYCLO(2.2.1.0(2.6))HEPTANE		NA	NA	NA	NA	NA	NA	NA	NA	NA
1R-.ALPHA.-PINENE	NJ	2400 NJ	1800 NJ	NA	NA	NA	NA	NA	NA	NA
3-CARENE		NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE		NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE, 1-METHYL-3-(1-METHYLETHYL)-		NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE, 1-METHYL-3-(1-METHYLETHYL)- [9.51]		NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE, 1-METHYL-3-(1-METHYLETHYL)- [9.68]		NA	NA	NA	NA	NA	NA	NA	NA	NA
BICYCLO[2.2.1]HEPTANE, 7,7-DIMETHYL-2-ME		NA	NA	NA	NA	NA	NA	NA	NA	NA
BICYCLO[3.1.0]HEX-2-ENE, 2-METHYL-5-(1-M		NA	NA	NA	NA	NA	NA	NA	NA	NA
BICYCLO[3.1.1]HEPTANE, 6,6-DIMETHYL-2-ME		NA	NA	NA	NA	NA	NA	NA	NA	NA
CAMPHENE	NJ	120 NJ	88 NJ	75 NJ	NA	NA	NA	NA	NA	NA
CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHENYL)-, (		NA	NA	NA	NA	NA	NA	NA	NA	NA
CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHYLID		NA	NA	11 NJ	NA	NA	NA	NA	NA	NA
D-LIMONENE	NJ	79 NJ	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL ACETATE		NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXALDEHYDE		NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL ACETATE		NA	NA	NA	NA	NA	NA	NA	4.4 NJ	9
UNKNOWN		NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)										
ANTIMONY	U	0.96 U	0.89 U	1.1 U	0.82 U	0.74 U	0.685 U	0.63 U	0.7 U	0.74
ARSENIC	U	0.82 U	0.76 U	0.92 U	0.7 U	0.63 U	0.585 U	0.54 U	0.6 U	0.63
BERYLLIUM	U	0.052 U	0.048 U	0.059 U	0.045 U	0.04 U	0.037 U	0.034 U	0.038 U	0.04
CADMIUM	J	0.15 J	0.36 J	0.65 J	0.036 U	0.032 J	0.023	0.028 U	0.03 U	0.033
CHROMIUM	U	2.5	0.46 J	0.55 J	0.53 J	0.45 J	0.775	1.1 J	0.64 J	0.78
COPPER	J	4.3 J	2.9 J	3.7 J	3.3 J	2.6 J	2.75	2.9 J	2.8 J	1.5
LEAD	J	0.42 J	0.041 U	0.18 J	0.21 U	0.31 U	0.445 U	0.58 U	0.27 U	0.53
MERCURY	U	0.033 U	0.032 U	0.031 U	0.027 U	0.028 U	0.0265 U	0.025 U	0.021 U	0.024
NICKEL	J	1.8 J	0.23 J	0.4 J	0.69 J	0.4 J	0.485	0.57 J	0.67 J	0.44
SELENIUM	U	0.99 U	0.63 U	1.2 J	0.58 U	0.6 J	0.4125	0.45 U	0.49 U	0.53
SILVER	U	0.13 U	0.12 U	0.14 U	0.11 U	0.097 U	0.09 U	0.083 U	0.091 U	0.098
THALLIUM	U	0.26 U	0.24 U	0.29 U	0.22 U	0.2 U	0.185 U	0.17 U	0.19 U	0.2
ZINC		74	31	61	5.4 J	8.1	5.7	3.3 J	9.5	13
MISCELLANEOUS PARAMETERS (%)										
PERCENT MOISTURE		56.3	NA	NA	48.4	44	40.95	37.9	41.1	46.2
PERCENT SOLIDS		43.7	NA	NA	51.6	56	59.05	62.1	58.9	53.8

LOCATION	TL5S	DR-TL6N	DR-TL6S	DR-TL7N	DR-TL7S	DR-TL8N	DR-TL8S	DR-TL9N	DR-TL9S	DR-
SAMPLE ID	-050516	DR-TL6N-050916	DR-TL6S-050916	DR-TL7N-050516	DR-TL7S-050516	DR-TL8N-050516	DR-TL8S-050516	DR-TL9N-050916	DR-TL9S-050916	DR-TS1-
SAMPLE DATE	0505	20160509	20160509	20160505	20160505	20160505	20160505	20160509	20160509	2016
VOLATILES (MG/KG)										
1,1,1,2-TETRACHLOROETHANE	U	0.32 U	0.38 U	0.41 U	0.43 U	0.33 U	0.35 U	0.44 U	0.42 U	1.3
1,1,1-TRICHLOROETHANE	U	0.17 U	0.21 U	0.23 U	0.24 U	0.18 U	0.19 U	0.24 U	0.23 U	0.7
1,1,2,2-TETRACHLOROETHANE	U	0.16 U	0.19 U	0.21 U	0.22 U	0.17 U	0.18 U	0.23 U	0.22 U	0.65
1,1,2-TRICHLOROTRIFLUOROETHANE	U	0.27 U	0.32 U	0.35 U	0.37 U	0.29 U	0.3 U	0.38 U	0.36 U	1.1
1,1-DICHLOROETHANE	U	0.23 U	0.27 U	0.29 U	0.31 U	0.24 U	0.25 U	0.32 U	0.3 U	0.9
1,1-DICHLOROETHENE	U	0.19 U	0.23 U	0.25 U	0.26 U	0.2 U	0.21 U	0.27 U	0.26 U	0.77
1,1-DICHLOROPROPENE	U	0.25 U	0.29 U	0.32 U	0.34 U	0.26 U	0.27 U	0.34 U	0.33 U	0.98
1,2,3-TRICHLOROBENZENE	U	0.25 U	0.3 U	0.33 U	0.34 U	0.27 U	0.28 U	0.35 U	0.34 U	1
1,2,3-TRICHLOROPROPANE	U	0.67 U	0.79 U	0.87 U	0.91 U	0.7 U	0.73 U	0.93 U	0.89 U	2.7
1,2,3-TRIMETHYLBENZENE	U	0.084 U	0.1 U	0.11 U	0.11 U	0.089 U	0.092 U	0.12 U	0.11 U	0.34
1,2,4-TRICHLOROBENZENE	U	0.19 U	0.23 U	0.25 U	0.26 U	0.2 U	0.21 U	0.27 U	0.26 U	0.77
1,2,4-TRIMETHYLBENZENE	U	0.084 U	0.1 U	0.11 U	0.11 U	0.089 U	0.092 U	0.12 U	0.11 U	0.34
1,2-DIBROMO-3-CHLOROPROPANE	U	0.46 U	0.55 U	0.6 U	0.63 U	0.48 U	0.5 U	0.64 U	0.62 U	1.8
1,2-DIBROMOETHANE	U	0.21 U	0.25 U	0.27 U	0.28 U	0.22 U	0.23 U	0.29 U	0.28 U	0.83
1,2-DICHLOROBENZENE	U	0.12 U	0.15 U	0.16 U	0.17 U	0.13 U	0.14 U	0.17 U	0.16 U	0.49
1,2-DICHLOROETHANE	U	0.065 U	0.077 U	0.084 U	0.088 U	0.068 U	0.071 U	0.091 U	0.087 U	0.26
1,2-DICHLOROPROPANE	U	0.21 U	0.25 U	0.27 U	0.28 U	0.22 U	0.23 U	0.29 U	0.28 U	0.83
1,3-DICHLOROBENZENE	U	0.19 U	0.23 U	0.25 U	0.26 U	0.2 U	0.21 U	0.27 U	0.26 U	0.77
1,3-DICHLOROPROPANE	U	0.15 U	0.18 U	0.19 U	0.2 U	0.16 U	0.16 U	0.21 U	0.2 U	0.59
1,4-DICHLOROBENZENE	U	0.27 U	0.32 U	0.35 U	0.36 U	0.28 U	0.29 U	0.37 U	0.36 U	1.1
2,2-DICHLOROPROPANE	U	0.34 U	0.4 U	0.44 U	0.46 U	0.36 U	0.37 U	0.47 U	0.45 U	1.3
2-BUTANONE	U	0.47 U	0.56 UJ	0.61 U	0.64 U	0.5 U	0.52 U	0.66 U	0.63 U	1.9
2-CHLOROETHYL VINYL ETHER	UJ	0.5 UJ	0.6 UJ	0.66 U	0.69 U	0.53 U	0.55 U	0.71 UJ	0.68 UJ	2
2-CHLOROTOLUENE	U	0.27 U	0.32 U	0.35 U	0.36 U	0.28 U	0.29 U	0.37 U	0.36 U	1.1
2-HEXANONE	U	0.54 U	0.65 U	0.71 U	0.74 U	0.57 U	0.6 U	0.76 U	0.73 U	2.2
4-CHLOROTOLUENE	U	0.17 U	0.2 U	0.22 U	0.23 U	0.18 U	0.18 U	0.24 U	0.23 U	0.67
4-ISOPROPYLTOLUENE	U	0.16 U	0.19 U	0.21 U	0.22 U	0.69 J	0.28 J	0.23 U	0.22 U	3.6
4-METHYL-2-PENTANONE	U	0.36 U	0.43 U	0.47 U	0.49 U	0.38 U	0.4 U	0.51 U	0.49 U	1.4
ACETONE	J	1.5 UJ	1.7 UJ	1.9 UJ	2 UJ	1.5 UJ	1.6 UJ	2.1 J	2 UJ	5.8
BENZENE	U	0.058 U	0.069 U	0.076 U	0.079 U	0.061 U	0.064 U	0.082 U	0.078 U	0.23
BROMOBENZENE	U	0.084 U	0.1 U	0.11 U	0.11 U	0.089 U	0.092 U	0.12 U	0.11 U	0.34
BROMOCHLOROMETHANE	U	0.45 U	0.54 U	0.59 U	0.62 U	0.48 U	0.5 U	0.63 U	0.61 U	1.8
BROMODICHLOROMETHANE	U	0.25 U	0.29 U	0.32 U	0.34 U	0.26 U	0.27 U	0.34 U	0.33 U	0.98
BROMOFORM	U	0.39 U	0.47 U	0.51 U	0.54 U	0.42 U	0.43 U	0.55 U	0.53 U	1.6
BROMOMETHANE	U	0.33 U	0.39 UJ	0.43 U	0.45 U	0.35 U	0.36 U	0.46 U	0.44 U	1.3
CARBON DISULFIDE	U	0.36 U	0.43 U	0.47 U	0.49 U	0.38 U	0.4 U	0.51 U	0.49 U	1.4
CARBON TETRACHLORIDE	U	0.12 U	0.14 U	0.15 U	0.16 U	0.12 U	0.13 U	0.16 U	0.16 U	0.46
CHLOROBENZENE	U	0.084 U	0.1 U	0.11 U	0.11 U	0.089 U	0.092 U	0.12 U	0.11 U	0.34
CHLORODIBROMOMETHANE	U	0.13 U	0.15 U	0.17 U	0.18 U	0.14 U	0.14 U	0.18 U	0.17 U	0.52
CHLORODIFLUOROMETHANE	UJ	1.6 UJ	1.9 UJ	2.1 UJ	2.2 UJ	1.7 UJ	1.8 UJ	2.3 UJ	2.2 UJ	6.5
CHLOROETHANE	U	0.33 U	0.39 U	0.43 U	0.45 U	0.35 U	0.36 U	0.46 U	0.44 U	1.3
CHLOROFORM	U	0.23 U	0.28 U	0.3 U	0.32 U	0.25 U	0.26 U	0.33 U	0.31 U	0.93
CHLOROMETHANE	U	0.31 U	0.37 U	0.4 U	0.42 U	0.33 U	0.34 U	0.43 U	0.42 U	1.2
CIS-1,2-DICHLOROETHENE	U	0.25 U	0.29 U	0.32 U	0.34 U	0.26 U	0.27 U	0.34 U	0.33 U	0.98
CIS-1,3-DICHLOROPROPENE	U	0.14 U	0.17 U	0.19 U	0.19 U	0.15 U	0.16 U	0.2 U	0.19 U	0.57
DIBROMOMETHANE	U	0.32 U	0.38 U	0.42 U	0.44 U	0.34 U	0.36 U	0.45 U	0.43 U	1.3
DICHLORODIFLUOROMETHANE	U	0.39 U	0.47 U	0.51 U	0.54 U	0.42 U	0.43 U	0.55 U	0.53 U	1.6
DIISOPROPYL ETHER	U	0.34 U	0.4 U	0.44 U	0.46 U	0.36 U	0.37 U	0.47 U	0.45 U	1.3
ETHYL TERT-BUTYL ETHER	UJ	0.1 UJ	0.12 UJ	0.13 UJ	0.14 UJ	0.11 UJ	0.11 UJ	0.14 UJ	0.14 UJ	0.41
ETHYLBENZENE	U	0.23 U	0.27 U	0.29 U	0.31 U	0.24 U	0.25 U	0.32 U	0.3 U	0.9
HEXACHLOROBUTADIENE	U	0.28 U	0.34 U	0.37 U	0.39 U	0.3 U	0.31 U	0.4 U	0.38 U	1.1
ISOPROPYLBENZENE	U	0.084 U	0.1 U	0.11 U	0.11 U	0.089 U	0.092 U	0.12 U	0.11 U	0.34
M+P-XYLENES	U	0.13 U	0.15 U	0.17 U	0.18 U	0.14 U	0.14 U	0.18 U	0.17 U	0.52
METHYL TERT-BUTYL ETHER	U	0.19 U	0.23 U	0.25 U	0.26 U	0.2 U	0.21 U	0.27 U	0.26 U	0.77
METHYLENE CHLORIDE	U	0.55 U	0.65 U	0.72 U	0.75 U	0.58 U	0.6 U	0.77 U	0.74 U	2.2
NAPHTHALENE	U	0.17 U	0.2 U	0.22 U	0.23 U	0.18 U	0.18 U	0.24 U	0.23 U	0.72
N-BUTYLBENZENE	U	0.14 U	0.16 U	0.18 U	0.19 U	0.14 U	0.15 U	0.19 U	0.18 U	0.54
N-PROPYLBENZENE	U	0.39 U	0.47 U	0.51 U	0.54 U	0.42 U	0.43 U	0.55 U	0.53 U	1.6
O-XYLENE	U	0.11 U	0.13 U	0.14 U	0.15 U	0.12 U	0.12 U	0.15 U	0.15 U	0.44
SEC-BUTYLBENZENE	U	0.1 U	0.12 U	0.13 U	0.14 U	0.11 U	0.11 U	0.14 U	0.14 U	0.41
STYRENE	U	0.17 U	0.21 U	0.23 U	0.24 U	0.18 U	0.19 U	0.24 U	0.23 U	0.7
TERT-AMYL METHYL ETHER	UJ	0.27 UJ	0.32 UJ	0.35 U	0.37 U	0.29 U	0.3 U	0.38 UJ	0.36 UJ	1.1
TERT-BUTYLBENZENE	U	0.22 U	0.26 U	0.29 U	0.3 U	0.23 U	0.24 U	0.31 U	0.29 U	0.88

LOCATION SAMPLE ID SAMPLE DATE	TL5S -050516 0505	DR-TL6N DR-TL6N-050916 20160509	DR-TL6S DR-TL6S-050916 20160509	DR-TL7N DR-TL7N-050516 20160505	DR-TL7S DR-TL7S-050516 20160505	DR-TL8N DR-TL8N-050516 20160505	DR-TL8S DR-TL8S-050516 20160505	DR-TL9N DR-TL9N-050916 20160509	DR-TL9S DR-TL9S-050916 20160509	DR- DR-TS1- 2016
TERTIARY-BUTYL ALCOHOL	UJ	5.4 UJ	6.4 UJ	7 UJ	7.4 UJ	5.7 UJ	5.9 UJ	7.6 UJ	7.3 UJ	22
TETRACHLOROETHENE	U	0.17 U	0.21 U	0.23 U	0.24 U	0.18 U	0.19 U	0.24 U	0.23 U	0.7
TOLUENE	U	0.065 U	0.89 J	0.11 U	0.12 U	0.1 U	0.11 U	0.091 U	0.087 U	1
TOTAL XYLENES	U	0.21 U	0.25 U	0.27 U	0.28 U	0.22 U	0.23 U	0.29 U	0.28 U	0.83
TRANS-1,2-DICHLOROETHENE	U	0.17 U	0.2 U	0.22 U	0.23 U	0.18 U	0.18 U	0.24 U	0.23 U	0.67
TRANS-1,3-DICHLOROPROPENE	U	0.17 U	0.2 U	0.22 U	0.23 U	0.18 U	0.18 U	0.24 U	0.23 U	0.67
TRICHLOROETHENE	U	0.25 U	0.3 U	0.33 U	0.34 U	0.27 U	0.28 U	0.35 U	0.34 U	1
TRICHLOROFLUOROMETHANE	U	0.23 U	0.27 U	0.29 U	0.31 U	0.24 U	0.25 U	0.32 U	0.3 U	0.9
VINYL ACETATE	U	0.67 U	0.79 U	0.87 U	0.91 U	0.7 U	0.73 U	0.93 U	0.89 U	2.7
VINYL CHLORIDE	U	0.11 U	0.13 U	0.14 U	0.15 U	0.12 U	0.12 U	0.15 U	0.15 U	0.44
TENTATIVELY IDENTIFIED COMPOUNDS-VOLATILES (MG/KG)										
.ALPHA.-PINENE		NA	NA	NA	NA	NA	NA	NA	NA	410
.BETA.-PINENE		NA	NA	NA	NA	NA	NA	NA	NA	300
1,4-CYCLOHEXADIENE, 1-METHYL-4-(1-METHYL		NA	NA	NA	NA	NA	NA	NA	NA	NA
1,7,7-TRIMETHYLTRICYCLO(2.2.1.0(2.6))HEPTANE		NA	NA	NA	NA	NA	NA	NA	NA	NA
1R-.ALPHA.-PINENE		NA	NA	NA	NA	NA	NA	NA	NA	NA
3-CARENE		NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE		NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE, 1-METHYL-3-(1-METHYLETHYL)-		NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE, 1-METHYL-3-(1-METHYLETHYL)- [9.51]		NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE, 1-METHYL-3-(1-METHYLETHYL)- [9.68]		NA	NA	NA	NA	NA	NA	NA	NA	NA
BICYCLO[2.2.1]HEPTANE, 7,7-DIMETHYL-2-ME		NA	NA	NA	NA	NA	NA	NA	NA	NA
BICYCLO[3.1.0]HEX-2-ENE, 2-METHYL-5-(1-M		NA	NA	NA	NA	NA	NA	NA	NA	NA
BICYCLO[3.1.1]HEPTANE, 6,6-DIMETHYL-2-ME		NA	NA	NA	NA	NA	NA	NA	NA	NA
CAMPHENE		NA	NA	NA	NA	NA	NA	NA	NA	35
CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHENYL)-, (		NA	NA	NA	NA	NA	NA	NA	NA	NA
CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHYLID		NA	NA	NA	NA	NA	NA	NA	NA	NA
D-LIMONENE		NA	NA	NA	NA	NA	NA	NA	NA	19
ETHYL ACETATE		NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXALDEHYDE		NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL ACETATE	NJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
UNKNOWN		NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)										
ANTIMONY	U	0.53 U	0.66 U	0.67 U	0.79 U	0.73 U	0.59 U	0.8 U	0.69 U	0.9
ARSENIC	U	0.45 U	0.58 J	0.57 U	0.68 U	0.63 U	0.51 U	0.69 U	0.59 U	0.77
BERYLLIUM	U	0.029 U	0.036 U	0.036 U	0.043 U	0.04 U	0.032 U	0.044 U	0.038 U	0.049
CADMIUM	U	0.023 U	0.029 U	0.06 J	0.063 J	0.1 J	0.035 J	0.069 J	0.09 J	0.33
CHROMIUM	J	0.23 U	0.31 U	2.3	0.27 J	5.6	1.5	0.3 U	0.42 U	0.41
COPPER	J	1.7 J	2.1 J	1.9 J	3.1 J	4.5	2.2 J	3 J	2.8 J	2.1
LEAD	U	0.024 U	0.16 J	0.29 U	0.17 U	0.27 U	0.11 U	0.15 J	0.15 J	0.29
MERCURY	U	0.023 U	0.022 U	0.024 U	0.024 U	0.024 U	0.022 U	0.027 U	0.025 U	0.028
NICKEL	J	0.52 J	0.62 J	0.97 J	0.44 J	2.5 J	0.84 J	0.4 J	0.26 J	1.2
SELENIUM	U	0.43 U	0.58 U	0.71 J	0.56 U	0.52 U	0.63 J	0.81 U	0.49 U	0.64
SILVER	U	0.069 U	0.086 U	0.088 U	0.1 U	0.096 U	0.078 U	0.11 U	0.091 U	0.12
THALLIUM	U	0.14 U	0.18 U	0.18 U	0.22 U	0.2 U	0.16 U	0.22 U	0.19 U	0.24
ZINC		2.2 J	2.9 J	6.5 J	4.7 J	18	11	5.7 J	4.2 J	8.7
MISCELLANEOUS PARAMETERS (%)										
PERCENT MOISTURE		38.1	38.1	38.8	48.8	43.5	39.5	43.2	41.8	47.4
PERCENT SOLIDS		61.9	61.9	61.2	51.2	56.5	60.5	56.8	58.2	52.6

LOCATION SAMPLE ID SAMPLE DATE	TS1 -042816 0428	DR-TS10 DR-TS10-042816 20160428	DR-TS11 DR-TS11-042816 20160428	DR-TS12 DR-TS12-042816 20160428	DR-TS2 DR-TS2-042816 20160428	DR-TS3 DR-TS3-042816 20160428	DR-TS4 DR-TS4-042816 20160428	DR-TS5 DR-TS5-042816 20160428	DR-TS6 DR-TS6-042816 20160428	DR-TS7 DR-TS7-042816 20160428	DR- DR-TS8 2016
VOLATILES (MG/KG)											
1,1,1,2-TETRACHLOROETHANE	U	0.4 U	0.23 U	0.27 U	0.67 U	0.35 U	0.32 U	0.38 U	0.29 U	0.28 U	0.3
1,1,1-TRICHLOROETHANE	U	0.22 U	0.13 U	0.15 U	0.37 U	0.19 U	0.17 U	0.21 U	0.16 U	0.16 U	0.17
1,1,2,2-TETRACHLOROETHANE	U	0.2 U	0.12 U	0.14 U	0.34 U	0.18 U	0.16 U	0.19 U	0.15 U	0.14 U	0.16
1,1,2-TRICHLOROTRIFLUOROETHANE	U	0.34 U	0.2 U	0.24 U	0.58 U	0.3 U	0.27 U	0.32 U	0.25 U	0.24 U	0.26
1,1-DICHLOROETHANE	U	0.29 U	0.16 U	0.2 U	0.48 U	0.25 U	0.23 U	0.27 U	0.21 U	0.2 U	0.22
1,1-DICHLOROETHENE	U	0.24 U	0.14 U	0.17 U	0.41 U	0.21 U	0.19 U	0.23 U	0.18 U	0.17 U	0.19
1,1-DICHLOROPROPENE	U	0.31 U	0.18 U	0.21 U	0.52 U	0.27 U	0.25 U	0.29 U	0.23 U	0.22 U	0.24
1,2,3-TRICHLOROBENZENE	U	0.32 U	0.18 U	0.22 U	0.54 U	0.28 U	0.25 U	0.3 U	0.23 U	0.22 U	0.24
1,2,3-TRICHLOROPROPANE	U	0.84 U	0.49 U	0.58 U	1.4 U	0.73 U	0.67 U	0.79 U	0.61 U	0.59 U	0.64
1,2,3-TRIMETHYLBENZENE	U	0.11 U	0.061 U	0.073 U	0.18 U	0.093 U	0.084 U	0.1 U	0.077 U	0.075 U	0.081
1,2,4-TRICHLOROBENZENE	U	0.24 U	0.14 U	0.17 U	0.41 U	0.21 U	0.19 U	0.23 U	0.18 U	0.17 U	0.19
1,2,4-TRIMETHYLBENZENE	U	0.11 U	0.061 U	0.073 U	0.18 U	0.093 U	0.084 U	0.1 U	0.077 U	0.075 U	0.081
1,2-DIBROMO-3-CHLOROPROPANE	UJ	0.58 UJ	0.33 UJ	0.4 UJ	0.97 UJ	0.51 UJ	0.46 UJ	0.55 UJ	0.42 UJ	0.41 UJ	0.44
1,2-DIBROMOETHANE	U	0.26 U	0.15 U	0.18 U	0.44 U	0.23 U	0.21 U	0.25 U	0.19 U	0.18 U	0.2
1,2-DICHLOROBENZENE	U	0.15 U	0.089 U	0.11 U	0.26 U	0.14 U	0.12 U	0.15 U	0.11 U	0.11 U	0.12
1,2-DICHLOROETHANE	U	0.081 U	0.047 U	0.056 U	0.14 U	0.071 U	0.065 U	0.077 U	0.059 U	0.057 U	0.062
1,2-DICHLOROPROPANE	U	0.26 U	0.15 U	0.18 U	0.44 U	0.23 U	0.21 U	0.25 U	0.19 U	0.18 U	0.2
1,3-DICHLOROBENZENE	U	0.24 U	0.14 U	0.17 U	0.41 U	0.21 U	0.19 U	0.23 U	0.18 U	0.17 U	0.19
1,3-DICHLOROPROPANE	U	0.19 U	0.11 U	0.13 U	0.32 U	0.16 U	0.15 U	0.18 U	0.14 U	0.13 U	0.14
1,4-DICHLOROBENZENE	U	0.33 U	0.19 U	0.23 U	0.56 U	0.29 U	0.27 U	0.32 U	0.24 U	0.24 U	0.25
2,2-DICHLOROPROPANE	U	0.42 U	0.24 U	0.29 U	0.71 U	0.37 U	0.34 U	0.4 U	0.31 U	0.3 U	0.32
2-BUTANONE	UJ	0.65 J	0.34 UJ	0.41 UJ	1 UJ	0.52 UJ	0.47 UJ	0.56 UJ	0.43 UJ	0.42 UJ	0.45
2-CHLOROETHYL VINYL ETHER	U	0.64 UJ	0.37 U	0.44 U	1.1 U	0.56 U	0.5 U	0.6 U	0.46 U	0.45 U	0.49
2-CHLOROTOLUENE	U	0.33 U	0.19 U	0.23 U	0.56 U	0.29 U	0.27 U	0.32 U	0.24 U	0.24 U	0.25
2-HEXANONE	U	0.68 U	0.4 U	0.47 U	1.2 U	0.6 U	0.54 U	0.65 U	0.5 U	0.48 U	0.52
4-CHLOROTOLUENE	U	0.21 U	0.12 U	0.15 U	0.36 U	0.19 U	0.17 U	0.2 U	0.15 U	0.15 U	0.16
4-ISOPROPYLTOLUENE	J	0.2 U	0.19 J	0.14 J	0.34 U	0.18 U	0.16 U	0.19 U	0.15 U	0.14 U	7.9
4-METHYL-2-PENTANONE	U	0.46 U	0.26 U	0.31 U	0.77 U	0.4 U	0.36 U	0.43 U	0.33 U	0.32 U	0.35
ACETONE	UJ	1.8 U	1.1 UJ	1.3 UJ	3.1 UJ	1.6 UJ	1.5 UJ	1.7 UJ	1.3 UJ	1.3 UJ	3.1
BENZENE	U	0.073 U	0.042 U	0.05 U	0.12 U	0.064 U	0.058 U	0.069 U	0.053 U	0.052 U	0.056
BROMOBENZENE	U	0.11 U	0.061 U	0.073 U	0.18 U	0.093 U	0.084 U	0.1 U	0.077 U	0.075 U	0.081
BROMOCHLOROMETHANE	U	0.57 U	0.33 U	0.39 U	0.96 U	0.5 U	0.45 U	0.54 U	0.41 U	0.4 U	0.44
BROMODICHLOROMETHANE	U	0.31 U	0.18 U	0.21 U	0.52 U	0.27 U	0.25 U	0.29 U	0.23 U	0.22 U	0.24
BROMOFORM	U	0.5 UJ	0.29 U	0.34 U	0.84 U	0.43 U	0.39 U	0.47 U	0.36 U	0.35 U	0.38
BROMOMETHANE	U	0.42 U	0.24 U	0.29 U	0.7 U	0.36 U	0.33 U	0.39 U	0.3 U	0.29 U	0.32
CARBON DISULFIDE	U	0.46 U	0.26 U	0.31 U	0.77 U	0.4 U	0.36 U	0.43 U	0.33 U	0.32 U	0.35
CARBON TETRACHLORIDE	U	0.15 U	0.085 U	0.1 U	0.25 U	0.13 U	0.12 U	0.14 U	0.11 U	0.1 U	0.11
CHLOROBENZENE	U	0.11 U	0.061 U	0.073 U	0.18 U	0.093 U	0.084 U	0.1 U	0.077 U	0.075 U	0.081
CHLORODIBROMOMETHANE	U	0.16 U	0.094 U	0.11 U	0.27 U	0.14 U	0.13 U	0.15 U	0.12 U	0.11 U	0.12
CHLORODIFLUOROMETHANE	UJ	2 UJ	1.2 UJ	1.4 UJ	3.4 UJ	1.8 UJ	1.6 UJ	1.9 UJ	1.5 UJ	1.4 UJ	1.6
CHLOROETHANE	U	0.42 U	0.24 U	0.29 U	0.7 U	0.36 U	0.33 U	0.39 U	0.3 U	0.29 U	0.32
CHLOROFORM	U	0.29 U	0.17 U	0.2 U	0.49 U	0.26 U	0.23 U	0.28 U	0.21 U	0.21 U	0.22
CHLOROMETHANE	U	0.39 U	0.23 U	0.27 U	0.66 U	0.34 U	0.31 U	0.37 U	0.28 U	0.28 U	0.3
CIS-1,2-DICHLOROETHENE	U	0.31 U	0.18 U	0.21 U	0.52 U	0.27 U	0.25 U	0.29 U	0.23 U	0.22 U	0.24
CIS-1,3-DICHLOROPROPENE	U	0.18 U	0.1 U	0.12 U	0.3 U	0.16 U	0.14 U	0.17 U	0.13 U	0.13 U	0.14
DIBROMOMETHANE	U	0.41 U	0.24 U	0.28 U	0.69 U	0.36 U	0.32 U	0.38 U	0.3 U	0.29 U	0.31
DICHLORODIFLUOROMETHANE	U	0.5 U	0.29 U	0.34 U	0.84 U	0.43 U	0.39 U	0.47 U	0.36 U	0.35 U	0.38
DIISOPROPYL ETHER	U	0.42 U	0.24 U	0.29 U	0.71 U	0.37 U	0.34 U	0.4 U	0.31 U	0.3 U	0.32
ETHYL TERT-BUTYL ETHER	U	0.13 UJ	0.075 U	0.09 U	0.22 U	0.11 U	0.1 U	0.12 U	0.095 U	0.092 U	0.1
ETHYLBENZENE	U	0.29 U	0.16 U	0.2 U	0.48 U	0.25 U	0.23 U	0.27 U	0.21 U	0.2 U	0.22
HEXACHLOROBUTADIENE	U	0.36 U	0.21 U	0.25 U	0.6 U	0.31 U	0.28 U	0.34 U	0.26 U	0.25 U	0.27
ISOPROPYLBENZENE	U	0.11 U	0.061 U	0.073 U	0.18 U	0.093 U	0.084 U	0.1 U	0.077 U	0.075 U	0.081
M+P-XYLENES	U	0.16 U	0.094 U	0.11 U	0.27 U	0.14 U	0.13 U	0.15 U	0.12 U	0.11 U	0.12
METHYL TERT-BUTYL ETHER	U	0.24 U	0.14 U	0.17 U	0.41 U	0.21 U	0.19 U	0.23 U	0.18 U	0.17 U	0.19
METHYLENE CHLORIDE	U	0.69 U	0.4 U	0.48 U	1.2 U	0.61 U	0.55 U	0.65 U	0.5 U	0.49 U	0.53
NAPHTHALENE	J	0.21 UJ	0.12 U	0.15 U	0.36 U	0.21 J	0.17 U	0.2 U	0.15 U	0.15 U	0.16
N-BUTYLBENZENE	U	0.17 U	0.099 U	0.12 U	0.29 U	0.15 U	0.14 U	0.16 U	0.12 U	0.12 U	0.13
N-PROPYLBENZENE	U	0.5 U	0.29 U	0.34 U	0.84 U	0.43 U	0.39 U	0.47 U	0.36 U	0.35 U	0.38
O-XYLENE	U	0.14 U	0.08 U	0.095 U	0.23 U	0.12 U	0.11 U	0.13 U	0.1 U	0.098 U	0.11
SEC-BUTYLBENZENE	U	0.13 U	0.075 U	0.09 U	0.22 U	0.11 U	0.1 U	0.12 U	0.095 U	0.092 U	0.1
STYRENE	U	0.22 U	2.6	0.15 U	0.37 U	0.19 U	0.17 U	0.21 U	0.16 U	0.2 J	0.17
TERT-AMYL METHYL ETHER	U	0.34 UJ	0.2 U	0.24 U	0.58 U	0.3 U	0.27 U	0.32 U	0.25 U	0.24 U	0.26
TERT-BUTYLBENZENE	U	0.28 U	0.16 U	0.19 U	0.47 U	0.24 U	0.22 U	0.26 U	0.2 U	0.2 U	0.21

LOCATION SAMPLE ID SAMPLE DATE	TS1 042816 0428	DR-TS10 DR-TS10-042816 20160428	DR-TS11 DR-TS11-042816 20160428	DR-TS12 DR-TS12-042816 20160428	DR-TS2 DR-TS2-042816 20160428	DR-TS3 DR-TS3-042816 20160428	DR-TS4 DR-TS4-042816 20160428	DR-TS5 DR-TS5-042816 20160428	DR-TS6 DR-TS6-042816 20160428	DR-TS7 DR-TS7-042816 20160428	DR- DR-TS8 2016
TERTIARY-BUTYL ALCOHOL	UJ	6.8 UJ	3.9 UJ	4.7 UJ	11 UJ	6 UJ	5.4 UJ	6.4 UJ	5 UJ	4.8 UJ	5.2
TETRACHLOROETHENE	U	0.22 U	0.13 U	0.15 U	0.37 U	0.19 U	0.17 U	0.21 U	0.16 U	0.16 U	0.17
TOLUENE	U	1.4 U	0.56 U	0.73 U	0.73 U	0.79 U	0.78 U	1 U	0.53 U	0.69 U	0.76
TOTAL XYLENES	U	0.26 U	0.15 U	0.18 U	0.44 U	0.23 U	0.21 U	0.25 U	0.19 U	0.18 U	0.2
TRANS-1,2-DICHLOROETHENE	U	0.21 U	0.12 U	0.15 U	0.36 U	0.19 U	0.17 U	0.2 U	0.15 U	0.15 U	0.16
TRANS-1,3-DICHLOROPROPENE	U	0.21 U	0.12 U	0.15 U	0.36 U	0.19 U	0.17 U	0.2 U	0.15 U	0.15 U	0.16
TRICHLOROETHENE	U	0.32 U	0.18 U	0.22 U	0.54 U	0.28 U	0.25 U	0.3 U	0.23 U	0.22 U	0.24
TRICHLOROFLUOROMETHANE	U	0.29 U	0.16 U	0.2 U	0.48 U	0.25 U	0.23 U	0.27 U	0.21 U	0.2 U	0.22
VINYL ACETATE	UJ	0.84 UJ	0.49 UJ	0.58 UJ	1.4 UJ	0.73 UJ	0.67 UJ	0.79 UJ	0.61 UJ	0.59 UJ	0.64
VINYL CHLORIDE	U	0.14 U	0.08 U	0.095 U	0.23 U	0.12 U	0.11 U	0.13 U	0.1 U	0.098 U	0.11
TENTATIVELY IDENTIFIED COMPOUNDS-VOLATILES (MG/KG)											
.ALPHA.-PINENE	NJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	730
.BETA.-PINENE	NJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	1200
1,4-CYCLOHEXADIENE, 1-METHYL-4-(1-METHYL		NA	NA	NA	NA	NA	NA	NA	NA	NA	5.7
1,7,7-TRIMETHYLTRICYCLO(2.2.1.0(2.6))HEPTANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1R-.ALPHA.-PINENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-CARENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	10
BENZALDEHYDE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE, 1-METHYL-3-(1-METHYLETHYL)-		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE, 1-METHYL-3-(1-METHYLETHYL)- [9.51]		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE, 1-METHYL-3-(1-METHYLETHYL)- [9.68]		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BICYCLO[2.2.1]HEPTANE, 7,7-DIMETHYL-2-ME		NA	NA	NA	NA	NA	NA	NA	NA	NA	1.6
BICYCLO[3.1.0]HEX-2-ENE, 2-METHYL-5-(1-M		NA	NA	NA	NA	NA	NA	NA	NA	NA	3.3
BICYCLO[3.1.1]HEPTANE, 6,6-DIMETHYL-2-ME		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAMPHENE	NJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	110
CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHENYL)-, (		NA	NA	NA	NA	NA	NA	NA	NA	NA	5.3
CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHYLID		NA	NA	NA	NA	NA	NA	NA	NA	NA	21
D-LIMONENE	NJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL ACETATE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXALDEHYDE		NA	NA	NA	NA	NA	NA	NA	NA	NA	1.7
METHYL ACETATE		4.7 NJ	NA	NA	NA	NA	5.2 NJ	27 NJ	4.9 NJ	12 NJ	NA
UNKNOWN		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	U	0.7 U	0.5 U	0.5 U	0.59 U	0.74 U	0.58 U	0.73 U	0.73 U	0.54 U	0.58
ARSENIC	U	0.6 U	0.53 J	0.59 J	0.57 J	0.74 J	0.5 U	0.62 U	0.63 U	0.55 J	0.54
BERYLLIUM	U	0.038 U	0.027 U	0.027 U	0.032 U	0.04 U	0.032 U	0.04 U	0.04 U	0.029 U	0.032
CADMIUM	J	0.03 U	0.38 J	0.024 J	0.1 J	0.032 U	0.026 U	0.046 J	0.032 U	0.063 J	0.44
CHROMIUM	J	0.49 J	0.51 J	0.18 J	0.77 J	0.28 J	0.2 J	2.1	0.24 J	0.5 J	1.1
COPPER	J	1.8 J	1.8 J	1.1 J	2.3 J	1.2 J	0.85 J	1.9 J	1.6 J	1.9 J	1.6
LEAD	U	1 U	0.81 U	0.51 U	4	0.83 U	0.13 U	1.8	0.49 U	2.2	0.81
MERCURY	U	0.022 U	0.017 U	0.017 U	0.02 U	0.02 U	0.019 U	0.021 U	0.023 U	0.018 U	0.02
NICKEL	U	0.64 U	4.3	4.8	0.57 U	0.37 U	0.23 U	0.36 U	1.6 U	3.7 U	0.61
SELENIUM	U	0.49 U	0.36 U	0.42 J	0.43 J	0.52 U	0.41 U	0.52 U	0.61 J	0.49 J	0.41
SILVER	U	0.091 U	0.066 U	0.066 U	0.077 U	0.097 U	0.077 U	0.096 U	0.096 U	0.071 U	0.076
THALLIUM	U	0.19 U	0.14 U	0.14 U	0.16 U	0.2 U	0.16 U	0.2 U	0.2 U	0.15 U	0.16
ZINC	J	6.4 J	9.1	5.5	4.9 J	1.6 J	1.3 J	6.9 J	5.9 J	28	7.3
MISCELLANEOUS PARAMETERS (%)											
PERCENT MOISTURE		38	10.7	11.3	26	35	25.2	36.2	37.1	16.6	17.6
PERCENT SOLIDS		62	89.3	88.7	74	65	74.8	63.8	62.9	83.4	82.4

LOCATION	TS8	DR-TS9
SAMPLE ID	-042816	DR-TS9-042816
SAMPLE DATE	0428	20160428
VOLATILES (MG/KG)		
1,1,1,2-TETRACHLOROETHANE	U	0.31 U
1,1,1-TRICHLOROETHANE	U	0.17 U
1,1,2,2-TETRACHLOROETHANE	U	0.16 U
1,1,2-TRICHLOROTRIFLUOROETHANE	U	0.26 U
1,1-DICHLOROETHANE	U	0.22 U
1,1-DICHLOROETHENE	U	0.19 U
1,1-DICHLOROPROPENE	U	0.24 U
1,2,3-TRICHLOROBENZENE	U	0.24 U
1,2,3-TRICHLOROPROPANE	U	0.64 U
1,2,3-TRIMETHYLBENZENE	U	0.081 U
1,2,4-TRICHLOROBENZENE	U	0.19 U
1,2,4-TRIMETHYLBENZENE	U	0.081 U
1,2-DIBROMO-3-CHLOROPROPANE	UJ	0.44 UJ
1,2-DIBROMOETHANE	U	0.2 U
1,2-DICHLOROBENZENE	U	0.12 U
1,2-DICHLOROETHANE	U	0.063 U
1,2-DICHLOROPROPANE	U	0.2 U
1,3-DICHLOROBENZENE	U	0.19 U
1,3-DICHLOROPROPANE	U	0.14 U
1,4-DICHLOROBENZENE	U	0.26 U
2,2-DICHLOROPROPANE	U	0.33 U
2-BUTANONE	UJ	0.46 UJ
2-CHLOROETHYL VINYL ETHER	U	0.49 U
2-CHLOROTOLUENE	U	0.26 U
2-HEXANONE	U	0.53 U
4-CHLOROTOLUENE	U	0.16 U
4-ISOPROPYLTOLUENE		2.2
4-METHYL-2-PENTANONE	U	0.35 U
ACETONE	J	1.7 J
BENZENE	U	0.056 U
BROMOBENZENE	U	0.081 U
BROMOCHLOROMETHANE	U	0.44 U
BROMODICHLOROMETHANE	U	0.24 U
BROMOFORM	U	0.38 U
BROMOMETHANE	U	0.32 U
CARBON DISULFIDE	U	0.35 U
CARBON TETRACHLORIDE	U	0.11 U
CHLOROBENZENE	U	0.081 U
CHLORODIBROMOMETHANE	U	0.13 U
CHLORODIFLUOROMETHANE	UJ	1.6 UJ
CHLOROETHANE	U	0.32 U
CHLOROFORM	U	0.23 U
CHLOROMETHANE	U	0.3 U
CIS-1,2-DICHLOROETHENE	U	0.24 U
CIS-1,3-DICHLOROPROPENE	U	0.14 U
DIBROMOMETHANE	U	0.31 U
DICHLORODIFLUOROMETHANE	U	0.38 U
DIISOPROPYL ETHER	U	0.33 U
ETHYL TERT-BUTYL ETHER	U	0.1 U
ETHYLBENZENE	U	0.22 U
HEXACHLOROBUTADIENE	U	0.28 U
ISOPROPYLBENZENE	U	0.081 U
M+P-XYLENES	U	0.13 U
METHYL TERT-BUTYL ETHER	U	0.19 U
METHYLENE CHLORIDE	U	0.53 U
NAPHTHALENE	U	0.16 U
N-BUTYLBENZENE	U	0.13 U
N-PROPYLBENZENE	U	0.38 U
O-XYLENE	U	0.11 U
SEC-BUTYLBENZENE	U	0.1 U
STYRENE	U	0.17 U
TERT-AMYL METHYL ETHER	U	0.26 U
TERT-BUTYLBENZENE	U	0.21 U

LOCATION SAMPLE ID SAMPLE DATE	**TS8 -042816 0428**	**DR-TS9 DR-TS9-042816 20160428**
TERTIARY-BUTYL ALCOHOL	UJ	5.2 UJ
TETRACHLOROETHENE	U	0.17 U
TOLUENE	U	0.83 U
TOTAL XYLENES	U	0.2 U
TRANS-1,2-DICHLOROETHENE	U	0.16 U
TRANS-1,3-DICHLOROPROPENE	U	0.16 U
TRICHLOROETHENE	U	0.24 U
TRICHLOROFLUOROMETHANE	U	0.22 U
VINYL ACETATE	UJ	0.64 UJ
VINYL CHLORIDE	U	0.11 U
TENTATIVELY IDENTIFIED COMPOUNDS-VOLATILES (MG/KG)		
.ALPHA.-PINENE	NJ	84 NJ
.BETA.-PINENE	NJ	92 NJ
1,4-CYCLOHEXADIENE, 1-METHYL-4-(1-METHYL	NJ	NA
1,7,7-TRIMETHYLTRICYCLO(2.2.1.0(2.6))HEPTANE		NA
1R-.ALPHA.-PINENE		NA
3-CARENE	NJ	NA
BENZALDEHYDE		NA
BENZENE, 1-METHYL-3-(1-METHYLETHYL)-		NA
BENZENE, 1-METHYL-3-(1-METHYLETHYL)- [9.51]		NA
BENZENE, 1-METHYL-3-(1-METHYLETHYL)- [9.68]		NA
BICYCLO[2.2.1]HEPTANE, 7,7-DIMETHYL-2-ME	NJ	NA
BICYCLO[3.1.0]HEX-2-ENE, 2-METHYL-5-(1-M	NJ	NA
BICYCLO[3.1.1]HEPTANE, 6,6-DIMETHYL-2-ME		NA
CAMPHENE	NJ	6.9 NJ
CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHENYL)-, (	NJ	NA
CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHYLID	NJ	NA
D-LIMONENE		4.4 NJ
ETHYL ACETATE		NA
HEXALDEHYDE	NJ	2.6 NJ
METHYL ACETATE		NA
UNKNOWN		NA
METALS (MG/KG)		
ANTIMONY	U	0.54 U
ARSENIC	J	0.46 U
BERYLLIUM	U	0.029 U
CADMIUM	J	0.45 J
CHROMIUM	J	0.96 J
COPPER	J	1.2 J
LEAD	U	0.93 U
MERCURY	U	0.018 U
NICKEL	U	2.1 U
SELENIUM	U	0.46 J
SILVER	U	0.071 U
THALLIUM	U	0.15 U
ZINC		7.8
MISCELLANEOUS PARAMETERS (%)		
PERCENT MOISTURE		17.3
PERCENT SOLIDS		82.7

TETRA TECH

INTERNAL CORRESPONDENCE

TO: **A. McGIVNEY** **DATE:** **JULY 6, 2016**

FROM: **MICHELLE L. ALLEN** **COPIES:** **DV FILE**

SUBJECT: **ORGANIC & INORGANIC DATA VALIDATION – VOC/METALS**
LOCKHEED MARTIN CORPORATION (LMC) – MARTIN STATE AIRPORT (MSA)
DRA TREE TISSUE
SDG 240-64634-1

SAMPLES: 37/Wood/VOC/Metals

DR-TG4N-050916	DR-TG4S-050916	DR-TG5N-050916
DR-TG5S-050916	DR-TG6N-050916	DR-TG6S-050916
DR-TL10N-050916	DR-TL10S-050916	DR-TL11N-051016
DR-TL11S-051016	DR-TL12N-050916	DR-TL12S-050916
DR-TL13N-051016	DR-TL13S-051016	DR-TL14N-051016
DR-TL14S-051016	DR-TL15N-051016	DR-TL15S-051016
DR-TL16N-051016	DR-TL16S-051016	DR-TL18N-050916
DR-TL18S-050916	DR-TL1N-050916	DR-TL1S-050916
DR-TL2N-050916	DR-TL2S-050916	DR-TL3N-051016
DR-TL3S-051016	DR-TL4N-050916	DR-TL4S-050916
DR-TL6N-050916	DR-TL6S-050916	DR-TL9N-050916
DR-TL9S-050916	DR-TLDUP1-050916	DR-TLDUP2-050916
DR-TLDUP3-050916		

2/Aqueous/VOC

TB-050916	TB-051016

Overview

The sample set for LMC-MSA DRA Tree Tissue, SDG 240-64634-1 consisted of thirty-seven (37) wood environmental samples and two (2) trip blanks. All thirty-nine (39) samples were analyzed for Volatile Organic Compounds (VOC). Thirty-seven (37) wood environmental samples were analyzed for metals. Three field duplicate sample pairs were included in this SDG: DR-TLDUP1-050916/DR-TL1S-050916, DR-TLDUP2-050916/DR-TL4S-050916, and DR-TLDUP3-050916/DR-TL18N-050916.

The samples were collected by Tetra Tech, Inc. on May 9-10, 2016 and analyzed by TestAmerica, Inc. All analyses were conducted in accordance with SW-846 Methods 8260B, 8260C, 6020, and 7471A analytical and reporting protocols.

The data contained in this SDG were validated with regard to the following parameters: data completeness, holding times, sample preservation, GC/MS tuning, ICP/MS tuning, initial/continuing calibrations, ICP interference results, laboratory preparation/method/trip blanks, surrogate spike recoveries, laboratory control sample results, matrix spike/matrix spike duplicate results, internal standard results, field duplicate precision, chromatographic resolution, compound identification, tentatively identified compounds, compound/analyte quantitation, and detection limits. Areas of concern are listed below.

Major

- The continuing calibrations performed on instrument A3UX11 had a Relative Response Factors (RRFs) for tert-butyl alcohol below the 0.01 quality control limit. The non-detected results reported for this compound in the affected samples, TB-050916 and TB-051016, were qualified as rejected, (UR).

- As stated in the laboratory case narrative, 2-chloroethyl vinyl ether cannot be reliably recovered in an acid preserved samples. The trip blanks in this SDG were acid preserved, therefore, the non-detected results reported for 2-chloroethyl vinyl ether were qualified as rejected, (UR).

Minor

- The VOC continuing calibrations performed on instrument A3UX8 on 05/14/16 @ 01:53 and 02:14 had Percent Drifts (%Drifts) for acetone and 2-chloroethyl vinyl ether and Percent Differences (%Ds) for tert-butyl alcohol, ethyl tert-butyl ether, and tert-amyl methyl ether which exceeded the 20% quality control limit. Samples associated with analytical batch #240-230314 were affected. The detected and non-detected results reported for these compounds in the affected samples were qualified as estimated, (J) and (UJ), respectively.

- The VOC continuing calibrations performed on instrument A3UX8 on 05/18/16 @ 02:17 and 02:38 had %Drifts for bromomethane, acetone and 2-chloroethyl vinyl ether and %Ds for tert-butyl alcohol, 2-butanone, ethyl tert-butyl ether, and tert-amyl methyl ether which exceeded the 20% quality control limit. Samples associated with analytical batch #240-230734 were affected. The detected and non-detected results reported for these compounds in the affected samples were qualified as estimated, (J) and (UJ), respectively.

- The VOC continuing calibration performed on instrument A3UX11 on 05/16/16 @ 07:37 had %Ds for 4-methyl-2-pentanone, 1,1,2,2-tetrachloroethane, 1,2,3-trichloropropane, naphthalene, and 1,2,3-trichlorobenzene which exceeded the 20% quality control limit. The non-detected results reported for these compounds in the affected sample, TB-050916, were qualified as estimated, (UJ).

- The VOC continuing calibration performed on instrument A3UX11 on 05/18/16 @ 08:56 had %Ds for dichlorodifluoromethane, 4-methyl-2-pentanone, 2-hexanone, bromoform, 1,1,2,2-tetrachloroethane, 1,2,3-trichloropropane, 1,2-dibromo-3-chloropropane, and naphthalene, and a %Drift for tert-butyl alcohol, which exceeded the 20% quality control limit. No action was taken for tert-butyl alcohol because the result was rejected due to a different calibration noncompliance. The remaining non-detected results reported for these compounds in the affected sample, TB-051016, were qualified as estimated, (UJ).

- The following compound was detected in the laboratory method blanks at the following maximum concentrations:

Compound/Parameter	Maximum Concentration (mg/Kg)	Action Level (mg/Kg)
Toluene (1)	0.0101	0.0505
Toluene (2)	0.0872	0.435

(1) - Maximum concentration detected in the laboratory method blank, MB 240-230139/1-A, affecting samples associated with preparation batch #240-230139.
(2) - Maximum concentration detected in the laboratory method blank, MB 240-230296/1-A, affecting samples associated with preparation batch #240-230296.

An action level of 5X was used to evaluate for blank contamination. Percent moisture and dilution factor, if applicable, were taken into consideration during the application of the action level. The detected results reported for

toluene in the affected samples below the established action levels were qualified as non-detected, (U).

- The following analytes were detected in the laboratory preparation and method blanks at the following maximum concentrations:

Analyte	Maximum Concentration	Reporting Limit (RL) > or <
Beryllium (1)	0.247 µg/L	<RL
Lead (2)	0.117 mg/Kg	<RL
Silver (2)	0.053 mg/Kg	<RL
Lead (3)	0.253 mg/Kg	<RL
Chromium (4)	0.0952 mg/Kg	<RL
Selenium (4)	0.343 mg/Kg	<RL

(1) - Maximum concentration detected in the initial/continuing calibration blanks associated with analytical batch #240-230706 affecting wood samples associated with this analytical batch.
(2) - Maximum concentration detected in the laboratory method blank, MB 240-230062/1-A, associated with preparation batch #240-230062 affecting wood samples associated with this preparation batch.
(3) - Maximum concentration detected in the laboratory method blank, MB 240-230452/1-A, associated with preparation batch #240-230452 affecting wood samples associated with this preparation batch.
(4) - Maximum concentration detected in the laboratory method blank, MB 240-230660/1-A, associated with preparation batch #240-230660 affecting wood samples associated with this preparation batch.

The detected results for reported the below the RL were qualified as non-detected, (U).

- All four VOC surrogate spike compounds exceeded the upper quality control limits in samples DR-TL2S-050916, DR-TL3N-051016, and DR-TL3S-051016. The samples were not reanalyzed. The detected results reported for the target compounds in these samples were qualified as estimated, (J).

- The solid VOC Laboratory Control Samples (LCSs) associated with both preparation batches had Percent Recoveries (%Rs) below the lower quality control limit for tert-butyl alcohol. All wood samples were affected. The non-detected results reported for this compound in the affected samples were qualified as estimated, (UJ).

- Tentatively Identified Compounds (TICs) were detected in several samples. The GC/MS instrument was not calibrated for these TICs; therefore, these compounds are qualified as estimated presumptively present, (NJ).

- A 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 0.25 mg/Kg. Because the GC/MS was not calibrated for this compound, the RL is not considered precise. The non-detected results reported for chlorodifluoromethane were qualified as estimated, (UJ).

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

Notes

The VOC LCS associated with preparation batch #240-230296 had a %R for toluene above the upper quality control limit. No action was necessary because the detected toluene results in the associated samples were qualified for laboratory blank contamination.

All VOC wood samples were analyzed at the medium concentration level. The following samples were further diluted before analysis:

Sample	Dilution
DR-TL1N-050916	4X
DR-TL1S-050916	5X
DR-TL2N-050916	2.5X
DR-TL2S-050916	10X
DR-TL3N-051016	6.66X
DR-TL3S-051016	4X
DR-TLDUP1-050916	4X

The reporting limits of the non-detected results were elevated in these samples.

Non-detected results were reported to the MDL.

Executive Summary

Laboratory Performance: VOC continuing calibration RRFs for tert-butyl alcohol were below the 0.01 quality control criterion. VOC continuing calibrations had %Drifts and %Ds which exceeded 20%. Toluene and metals were detected in laboratory method and/or preparation blanks. Three samples had high surrogate %Rs. TICs were detected in several samples. The VOC LCS analyses had low %Rs for tert-butyl alcohol. Non-detected chlorodifluoromethane results were estimated because detection was evaluated via TIC library search.

Other Factors Affecting Data Quality: 2-Chloroethyl vinyl ether results were rejected in the trip blanks because the samples were acid preserved. Some samples were analyzed at dilutions in the VOC fraction. Results below the RL were estimated.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Organic Review" (August 2014) and "National Functional Guidelines for Inorganic Review" (August 2014). The text of this report has been formulated to address only those areas affecting data quality.

Tetra Tech, Inc.
Michelle L. Allen
Chemist/Data Validator

Tetra Tech, Inc.
Joseph A. Samchuck
Data Validation Manager

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

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 x IDL for inorganics and <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: 07835	NSAMPLE	TB-050916			TB-051016		
SDG: 240-64634-1	LAB_ID	240-64634-26			240-64678-13		
FRACTION: OV	SAMP_DATE	5/9/2016			5/10/2016		
MEDIA: WATER	QC_TYPE	NM			NM		
	UNITS	UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.28	U		0.28	U	
1,1,1-TRICHLOROETHANE		0.44	U		0.44	U	
1,1,2,2-TETRACHLOROETHANE		0.22	UJ	C	0.22	UJ	C
1,1,2-TRICHLOROTRIFLUOROETHANE		0.45	U		0.45	U	
1,1-DICHLOROETHANE		0.3	U		0.3	U	
1,1-DICHLOROETHENE		0.45	U		0.45	U	
1,1-DICHLOROPROPENE		0.42	U		0.42	U	
1,2,3-TRICHLOROBENZENE		0.37	UJ	C	0.37	U	
1,2,3-TRICHLOROPROPANE		0.44	UJ	C	0.44	UJ	C
1,2,3-TRIMETHYLBENZENE		0.47	U		0.47	U	
1,2,4-TRICHLOROBENZENE		0.32	U		0.32	U	
1,2,4-TRIMETHYLBENZENE		0.41	U		0.41	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.82	U		0.82	UJ	C
1,2-DIBROMOETHANE		0.32	U		0.32	U	
1,2-DICHLOROBENZENE		0.25	U		0.25	U	
1,2-DICHLOROETHANE		0.23	U		0.23	U	
1,2-DICHLOROPROPANE		0.25	U		0.25	U	
1,3-DICHLOROBENZENE		0.19	U		0.19	U	
1,3-DICHLOROPROPANE		0.19	U		0.19	U	
1,4-DICHLOROBENZENE		0.27	U		0.27	U	
2,2-DICHLOROPROPANE		0.26	U		0.26	U	
2-BUTANONE		0.53	U		0.53	UJ	C
2-CHLOROETHYL VINYL ETHER		0.59	U		0.59	U	
2-CHLOROTOLUENE		0.4	U		0.4	U	
2-HEXANONE		0.48	U		0.48	UJ	C
4-CHLOROTOLUENE		0.29	U		0.29	U	
4-ISOPROPYLTOLUENE		0.43	U		0.43	U	
4-METHYL-2-PENTANONE		0.99	UJ	C	0.99	UJ	C
ACETONE		0.94	U		0.94	U	
BENZENE		0.35	U		0.35	U	
BROMOBENZENE		0.35	U		0.35	U	
BROMOCHLOROMETHANE		0.5	U		0.5	U	
BROMODICHLOROMETHANE		0.29	U		0.29	U	
BROMOFORM		0.56	U		0.56	U	
BROMOMETHANE		0.44	U		0.44	U	

PROJ_NO: 07835	NSAMPLE	TB-050916			TB-051016		
SDG: 240-64634-1	LAB_ID	240-64634-26			240-64678-13		
FRACTION: OV	SAMP_DATE	5/9/2016			5/10/2016		
MEDIA: WATER	QC_TYPE	NM			NM		
	UNITS	UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.38	U		0.38	U	
CARBON TETRACHLORIDE		0.43	U		0.43	U	
CHLOROBENZENE		0.25	U		0.25	U	
CHLORODIBROMOMETHANE		0.43	U		0.43	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.32	U		0.32	U	
CHLOROFORM		0.25	U		0.25	U	
CHLOROMETHANE		0.44	U		0.44	U	
CIS-1,2-DICHLOROETHENE		0.26	U		0.26	U	
CIS-1,3-DICHLOROPROPENE		0.46	U		0.46	U	
DIBROMOMETHANE		0.42	U		0.42	U	
DICHLORODIFLUOROMETHANE		0.32	U		0.32	UJ	C
DIISOPROPYL ETHER		0.5	U		0.5	U	
ETHYL TERT-BUTYL ETHER		0.23	U		0.23	U	
ETHYLBENZENE		0.25	U		0.25	U	
HEXACHLOROBUTADIENE		0.35	U		0.35	U	
ISOPROPYLBENZENE		0.35	U		0.35	U	
M+P-XYLENES		0.24	U		0.24	U	
METHYL TERT-BUTYL ETHER		0.2	U		0.2	U	
METHYLENE CHLORIDE		0.33	U		0.33	U	
NAPHTHALENE		0.45	UJ	C	0.45	UJ	C
N-BUTYLBENZENE		0.31	U		0.31	U	
N-PROPYLBENZENE		0.4	U		0.4	U	
O-XYLENE		0.25	U		0.25	U	
SEC-BUTYLBENZENE		0.48	U		0.48	U	
STYRENE		0.45	U		0.45	U	
TERT-AMYL METHYL ETHER		0.3	U		0.3	U	
TERT-BUTYLBENZENE		0.41	U		0.41	U	
TERTIARY-BUTYL ALCOHOL		4.9	UR	CE	4.9	UR	CE
TETRACHLOROETHENE		0.31	U		0.31	U	
TOLUENE		0.23	U		0.23	U	
TOTAL XYLENES		0.52	U		0.52	U	
TRANS-1,2-DICHLOROETHENE		0.3	U		0.3	U	
TRANS-1,3-DICHLOROPROPENE		0.56	U		0.56	U	
TRICHLOROETHENE		0.22	U		0.22	U	

PROJ_NO: 07835	NSAMPLE	TB-050916			TB-051016		
SDG: 240-64634-1	LAB_ID	240-64634-26			240-64678-13		
FRACTION: OV	SAMP_DATE	5/9/2016			5/10/2016		
MEDIA: WATER	QC_TYPE	NM			NM		
	UNITS	UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.49	U		0.49	U	
VINYL ACETATE		0.41	U		0.41	U	
VINYL CHLORIDE		0.29	U		0.29	U	

PROJ_NO: 07835	NSAMPLE	DR-TG4N-050916			DR-TG4S-050916			DR-TG5N-050916			DR-TG5S-050916		
SDG: 240-64634-1	LAB_ID	240-64634-2			240-64634-1			240-64634-3			240-64634-4		
FRACTION: OV	SAMP_DATE	5/9/2016			5/9/2016			5/9/2016			5/9/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	56.7			59.4			60.1			57.9		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.45	U		0.41	U		0.35	U		0.37	U	
1,1,1-TRICHLOROETHANE		0.25	U		0.23	U		0.19	U		0.21	U	
1,1,2,2-TETRACHLOROETHANE		0.23	U		0.21	U		0.18	U		0.19	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.38	U		0.35	U		0.3	U		0.32	U	
1,1-DICHLOROETHANE		0.32	U		0.29	U		0.25	U		0.27	U	
1,1-DICHLOROETHENE		0.27	U		0.25	U		0.21	U		0.23	U	
1,1-DICHLOROPROPENE		0.35	U		0.32	U		0.27	U		0.29	U	
1,2,3-TRICHLOROBENZENE		0.36	U		0.33	U		0.28	U		0.3	U	
1,2,3-TRICHLOROPROPANE		0.94	U		0.87	U		0.74	U		0.79	U	
1,2,3-TRIMETHYLBENZENE		0.12	U		0.11	U		0.093	U		0.099	U	
1,2,4-TRICHLOROBENZENE		0.27	U		0.25	U		0.21	U		0.23	U	
1,2,4-TRIMETHYLBENZENE		0.12	U		0.11	U		0.093	U		0.099	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.65	U		0.6	U		0.51	U		0.54	U	
1,2-DIBROMOETHANE		0.29	U		0.27	U		0.23	U		0.24	U	
1,2-DICHLOROBENZENE		0.17	U		0.16	U		0.14	U		0.15	U	
1,2-DICHLOROETHANE		0.092	U		0.084	U		0.072	U		0.076	U	
1,2-DICHLOROPROPANE		0.29	U		0.27	U		0.23	U		0.24	U	
1,3-DICHLOROBENZENE		0.27	U		0.25	U		0.21	U		0.23	U	
1,3-DICHLOROPROPANE		0.21	U		0.19	U		0.16	U		0.18	U	
1,4-DICHLOROBENZENE		0.38	U		0.34	U		0.29	U		0.31	U	
2,2-DICHLOROPROPANE		0.48	U		0.44	U		0.37	U		0.4	U	
2-BUTANONE		0.67	U		0.61	U		0.52	U		0.56	U	
2-CHLOROETHYL VINYL ETHER		0.71	UJ	C	0.66	UJ	C	0.56	UJ	C	0.6	UJ	C
2-CHLOROTOLUENE		0.38	U		0.34	U		0.29	U		0.31	U	
2-HEXANONE		0.77	U		0.71	U		0.6	U		0.64	U	
4-CHLOROTOLUENE		0.24	U		0.22	U		0.19	U		0.2	U	
4-ISOPROPYLTOLUENE		0.23	U		0.21	U		0.18	U		0.19	U	
4-METHYL-2-PENTANONE		0.51	U		0.47	U		0.4	U		0.43	U	
ACETONE		2.2	J	CP	2.1	J	CP	1.7	J	CP	1.8	J	CP
BENZENE		0.082	U		0.076	U		0.064	U		0.069	U	
BROMOBENZENE		0.12	U		0.11	U		0.093	U		0.099	U	
BROMOCHLOROMETHANE		0.64	U		0.59	U		0.5	U		0.53	U	
BROMODICHLOROMETHANE		0.35	U		0.32	U		0.27	U		0.29	U	
BROMOFORM		0.56	U		0.51	U		0.44	U		0.47	U	
BROMOMETHANE		0.47	U		0.43	U		0.37	U		0.39	U	

PROJ_NO: 07835	NSAMPLE	DR-TG6N-050916			DR-TG6S-050916			DR-TL10N-050916			DR-TL10S-050916		
SDG: 240-64634-1	LAB_ID	240-64634-5			240-64634-6			240-64634-14			240-64634-13		
FRACTION: OV	SAMP_DATE	5/9/2016			5/9/2016			5/9/2016			5/9/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	66.1			64.1			52.7			52.4		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.32	U		0.41	U		0.39	U		0.48	U	
1,1,1-TRICHLOROETHANE		0.18	U		0.22	U		0.22	U		0.27	U	
1,1,2,2-TETRACHLOROETHANE		0.17	U		0.21	U		0.2	U		0.25	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.28	U		0.35	U		0.33	U		0.41	U	
1,1-DICHLOROETHANE		0.23	U		0.29	U		0.28	U		0.34	U	
1,1-DICHLOROETHENE		0.2	U		0.25	U		0.24	U		0.3	U	
1,1-DICHLOROPROPENE		0.25	U		0.31	U		0.3	U		0.37	U	
1,2,3-TRICHLOROBENZENE		0.26	U		0.32	U		0.31	U		0.38	U	
1,2,3-TRICHLOROPROPANE		0.68	U		0.85	U		0.82	U		1	U	
1,2,3-TRIMETHYLBENZENE		0.086	U		0.11	U		0.1	U		0.13	U	
1,2,4-TRICHLOROBENZENE		0.2	U		0.25	U		0.24	U		0.3	U	
1,2,4-TRIMETHYLBENZENE		0.086	U		0.11	U		0.1	U		0.13	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.47	U		0.59	U		0.57	U		0.7	U	
1,2-DIBROMOETHANE		0.21	U		0.26	U		0.26	U		0.31	U	
1,2-DICHLOROBENZENE		0.13	U		0.16	U		0.15	U		0.19	U	
1,2-DICHLOROETHANE		0.066	U		0.083	U		0.08	U		0.098	U	
1,2-DICHLOROPROPANE		0.21	U		0.26	U		0.26	U		0.31	U	
1,3-DICHLOROBENZENE		0.2	U		0.25	U		0.24	U		0.3	U	
1,3-DICHLOROPROPANE		0.15	U		0.19	U		0.18	U		0.23	U	
1,4-DICHLOROBENZENE		0.27	U		0.34	U		0.33	U		0.4	U	
2,2-DICHLOROPROPANE		0.34	U		0.43	U		0.41	U		0.51	U	
2-BUTANONE		0.48	U		0.6	U		0.58	U		0.72	U	
2-CHLOROETHYL VINYL ETHER		0.52	UJ	C	0.65	UJ	C	0.62	UJ	C	0.77	UJ	C
2-CHLOROTOLUENE		0.27	U		0.34	U		0.33	U		0.4	U	
2-HEXANONE		0.56	U		0.7	U		0.67	U		0.83	U	
4-CHLOROTOLUENE		0.17	U		0.22	U		0.21	U		0.26	U	
4-ISOPROPYLTOLUENE		0.17	U		0.21	U		0.2	U		0.25	U	
4-METHYL-2-PENTANONE		0.37	U		0.46	U		0.45	U		0.55	U	
ACETONE		1.5	J	CP	1.9	UJ	C	1.9	J	CP	2.2	J	CP
BENZENE		0.06	U		0.074	U		0.072	U		0.089	U	
BROMOBENZENE		0.086	U		0.11	U		0.1	U		0.13	U	
BROMOCHLOROMETHANE		0.46	U		0.58	U		0.56	U		0.69	U	
BROMODICHLOROMETHANE		0.25	U		0.31	U		0.3	U		0.37	U	
BROMOFORM		0.4	U		0.5	U		0.49	U		0.6	U	
BROMOMETHANE		0.34	U		0.42	U		0.41	U		0.5	U	

PROJ_NO: 07835	NSAMPLE	DR-TL11N-051016			DR-TL11S-051016			DR-TL12N-050916			DR-TL12S-050916		
SDG: 240-64634-1	LAB_ID	240-64678-3			240-64678-4			240-64634-17			240-64634-18		
FRACTION: OV	SAMP_DATE	5/10/2016			5/10/2016			5/9/2016			5/9/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	60.6			59.7			52.4			55.7		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.44	U		0.32	U		0.35	U		0.37	U	
1,1,1-TRICHLOROETHANE		0.24	U		0.18	U		0.19	U		0.2	U	
1,1,2,2-TETRACHLOROETHANE		0.22	U		0.16	U		0.18	U		0.19	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.37	U		0.28	U		0.3	U		0.31	U	
1,1-DICHLOROETHANE		0.31	U		0.23	U		0.25	U		0.26	U	
1,1-DICHLOROETHENE		0.27	U		0.2	U		0.22	U		0.22	U	
1,1-DICHLOROPROPENE		0.34	U		0.25	U		0.27	U		0.28	U	
1,2,3-TRICHLOROBENZENE		0.35	U		0.26	U		0.28	U		0.29	U	
1,2,3-TRICHLOROPROPANE		0.92	U		0.68	U		0.74	U		0.77	U	
1,2,3-TRIMETHYLBENZENE		0.12	U		0.085	U		0.094	U		0.097	U	
1,2,4-TRICHLOROBENZENE		0.27	U		0.2	U		0.22	U		0.22	U	
1,2,4-TRIMETHYLBENZENE		0.12	U		0.085	U		0.094	U		0.097	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.63	U		0.47	U		0.51	U		0.53	U	
1,2-DIBROMOETHANE		0.28	U		0.21	U		0.23	U		0.24	U	
1,2-DICHLOROBENZENE		0.17	U		0.12	U		0.14	U		0.14	U	
1,2-DICHLOROETHANE		0.089	U		0.066	U		0.072	U		0.075	U	
1,2-DICHLOROPROPANE		0.28	U		0.21	U		0.23	U		0.24	U	
1,3-DICHLOROBENZENE		0.27	U		0.2	U		0.22	U		0.22	U	
1,3-DICHLOROPROPANE		0.2	U		0.15	U		0.17	U		0.17	U	
1,4-DICHLOROBENZENE		0.36	U		0.27	U		0.3	U		0.31	U	
2,2-DICHLOROPROPANE		0.46	U		0.34	U		0.38	U		0.39	U	
2-BUTANONE		0.65	UJ	C	0.48	UJ	C	0.53	U		0.55	U	
2-CHLOROETHYL VINYL ETHER		0.69	UJ	C	0.51	UJ	C	0.56	UJ	C	0.58	UJ	C
2-CHLOROTOLUENE		0.36	U		0.27	U		0.3	U		0.31	U	
2-HEXANONE		0.75	U		0.55	U		0.61	U		0.63	U	
4-CHLOROTOLUENE		0.23	U		0.17	U		0.19	U		0.19	U	
4-ISOPROPYLTOLUENE		0.33	J	P	0.16	U		0.18	U		0.19	U	
4-METHYL-2-PENTANONE		0.5	U		0.37	U		0.4	U		0.42	U	
ACETONE		3.3	J	CP	2.7	J	CP	1.6	J	CP	1.7	UJ	C
BENZENE		0.08	U		0.059	U		0.065	U		0.067	U	
BROMOBENZENE		0.12	U		0.085	U		0.094	U		0.097	U	
BROMOCHLOROMETHANE		0.62	U		0.46	U		0.51	U		0.52	U	
BROMODICHLOROMETHANE		0.34	U		0.25	U		0.27	U		0.28	U	
BROMOFORM		0.54	U		0.4	U		0.44	U		0.46	U	
BROMOMETHANE		0.45	UJ	C	0.33	UJ	C	0.37	U		0.38	U	

PROJ_NO: 07835	NSAMPLE	DR-TL13N-051016			DR-TL13S-051016			DR-TL14N-051016			DR-TL14S-051016		
SDG: 240-64634-1	LAB_ID	240-64678-5			240-64678-6			240-64678-7			240-64678-8		
FRACTION: OV	SAMP_DATE	5/10/2016			5/10/2016			5/10/2016			5/10/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	62.5			59.2			57.3			58.9		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.4	U		0.39	U		0.41	U		0.32	U	
1,1,1-TRICHLOROETHANE		0.22	U		0.22	U		0.23	U		0.18	U	
1,1,2,2-TETRACHLOROETHANE		0.2	U		0.2	U		0.21	U		0.16	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.34	U		0.33	U		0.35	U		0.28	U	
1,1-DICHLOROETHANE		0.28	U		0.28	U		0.29	U		0.23	U	
1,1-DICHLOROETHENE		0.24	U		0.24	U		0.25	U		0.2	U	
1,1-DICHLOROPROPENE		0.31	U		0.3	U		0.32	U		0.25	U	
1,2,3-TRICHLOROBENZENE		0.31	U		0.31	U		0.33	U		0.26	U	
1,2,3-TRICHLOROPROPANE		0.83	U		0.82	U		0.87	U		0.67	U	
1,2,3-TRIMETHYLBENZENE		0.1	U		0.1	U		0.11	U		0.085	U	
1,2,4-TRICHLOROBENZENE		0.24	U		0.24	U		0.25	U		0.2	U	
1,2,4-TRIMETHYLBENZENE		0.1	U		0.1	U		0.11	U		0.085	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.57	U		0.57	U		0.6	U		0.47	U	
1,2-DIBROMOETHANE		0.26	U		0.26	U		0.27	U		0.21	U	
1,2-DICHLOROBENZENE		0.15	U		0.15	U		0.16	U		0.12	U	
1,2-DICHLOROETHANE		0.081	U		0.08	U		0.084	U		0.066	U	
1,2-DICHLOROPROPANE		0.26	U		0.26	U		0.27	U		0.21	U	
1,3-DICHLOROBENZENE		0.24	U		0.24	U		0.25	U		0.2	U	
1,3-DICHLOROPROPANE		0.19	U		0.18	U		0.19	U		0.15	U	
1,4-DICHLOROBENZENE		0.33	U		0.33	U		0.34	U		0.27	U	
2,2-DICHLOROPROPANE		0.42	U		0.41	U		0.44	U		0.34	U	
2-BUTANONE		0.59	UJ	C	0.58	UJ	C	0.61	UJ	C	0.48	UJ	C
2-CHLOROETHYL VINYL ETHER		0.63	UJ	C	0.62	UJ	C	0.66	UJ	C	0.51	UJ	C
2-CHLOROTOLUENE		0.33	U		0.33	U		0.34	U		0.27	U	
2-HEXANONE		0.68	U		0.67	U		0.71	U		0.55	U	
4-CHLOROTOLUENE		0.21	U		0.21	U		0.22	U		0.17	U	
4-ISOPROPYLTOLUENE		0.2	U		0.2	U		0.21	U		0.16	U	
4-METHYL-2-PENTANONE		0.45	U		0.45	U		0.47	U		0.37	U	
ACETONE		1.8	UJ	C	1.8	UJ	C	1.9	UJ	C	1.5	UJ	C
BENZENE		0.073	U		0.072	U		0.076	U		0.059	U	
BROMOBENZENE		0.1	U		0.1	U		0.11	U		0.085	U	
BROMOCHLOROMETHANE		0.57	U		0.56	U		0.59	U		0.46	U	
BROMODICHLOROMETHANE		0.31	U		0.3	U		0.32	U		0.25	U	
BROMOFORM		0.49	U		0.49	U		0.51	U		0.4	U	
BROMOMETHANE		0.41	UJ	C	0.41	UJ	C	0.43	UJ	C	0.33	UJ	C

PROJ_NO: 07835	NSAMPLE	DR-TL15N-051016			DR-TL15S-051016			DR-TL16N-051016			DR-TL16S-051016		
SDG: 240-64634-1	LAB_ID	240-64678-9			240-64678-10			240-64678-11			240-64678-12		
FRACTION: OV	SAMP_DATE	5/10/2016			5/10/2016			5/10/2016			5/10/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	61.7			63.5			65.5			70.4		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.43	U		0.31	U		0.39	U		0.25	U	
1,1,1-TRICHLOROETHANE		0.24	U		0.17	U		0.22	U		0.14	U	
1,1,2,2-TETRACHLOROETHANE		0.22	U		0.16	U		0.2	U		0.13	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.37	U		0.27	U		0.34	U		0.21	U	
1,1-DICHLOROETHANE		0.31	U		0.22	U		0.28	U		0.18	U	
1,1-DICHLOROETHENE		0.26	U		0.19	U		0.24	U		0.15	U	
1,1-DICHLOROPROPENE		0.33	U		0.24	U		0.3	U		0.19	U	
1,2,3-TRICHLOROBENZENE		0.34	U		0.25	U		0.31	U		0.2	U	
1,2,3-TRICHLOROPROPANE		0.9	U		0.66	U		0.83	U		0.52	U	
1,2,3-TRIMETHYLBENZENE		0.11	U		0.083	U		0.1	U		0.065	U	
1,2,4-TRICHLOROBENZENE		0.26	U		0.19	U		0.24	U		0.15	U	
1,2,4-TRIMETHYLBENZENE		0.11	U		0.083	U		0.1	U		0.065	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.62	U		0.45	U		0.57	U		0.36	U	
1,2-DIBROMOETHANE		0.28	U		0.2	U		0.26	U		0.16	U	
1,2-DICHLOROBENZENE		0.17	U		0.12	U		0.15	U		0.096	U	
1,2-DICHLOROETHANE		0.087	U		0.064	U		0.08	U		0.05	U	
1,2-DICHLOROPROPANE		0.28	U		0.2	U		0.26	U		0.16	U	
1,3-DICHLOROBENZENE		0.26	U		0.19	U		0.24	U		0.15	U	
1,3-DICHLOROPROPANE		0.2	U		0.15	U		0.18	U		0.12	U	
1,4-DICHLOROBENZENE		0.36	U		0.26	U		0.33	U		0.21	U	
2,2-DICHLOROPROPANE		0.45	U		0.33	U		0.42	U		0.26	U	
2-BUTANONE		0.64	UJ	C	0.47	UJ	C	0.59	UJ	C	0.37	UJ	C
2-CHLOROETHYL VINYL ETHER		0.68	UJ	C	0.5	UJ	C	0.63	UJ	C	0.39	UJ	C
2-CHLOROTOLUENE		0.36	U		0.26	U		0.33	U		0.21	U	
2-HEXANONE		0.73	U		0.54	U		0.67	U		0.42	U	
4-CHLOROTOLUENE		0.23	U		0.17	U		0.21	U		0.13	U	
4-ISOPROPYLTOLUENE		0.22	U		0.16	U		0.2	U		0.13	U	
4-METHYL-2-PENTANONE		0.49	U		0.36	U		0.45	U		0.28	U	
ACETONE		2	UJ	C	1.4	UJ	C	1.8	UJ	C	1.1	UJ	C
BENZENE		0.078	U		0.058	U		0.072	U		0.045	U	
BROMOBENZENE		0.11	U		0.083	U		0.1	U		0.065	U	
BROMOCHLOROMETHANE		0.61	U		0.45	U		0.56	U		0.35	U	
BROMODICHLOROMETHANE		0.33	U		0.24	U		0.3	U		0.19	U	
BROMOFORM		0.53	U		0.39	U		0.49	U		0.31	U	
BROMOMETHANE		0.44	UJ	C	0.33	UJ	C	0.41	UJ	C	0.26	UJ	C

PROJ_NO: 07835	NSAMPLE	DR-TL18N-050916			DR-TL18S-050916			DR-TL1N-050916			DR-TL1S-050916		
SDG: 240-64634-1	LAB_ID	240-64634-24			240-64634-25			240-64634-7			240-64634-8		
FRACTION: OV	SAMP_DATE	5/9/2016			5/9/2016			5/9/2016			5/9/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	40.8			62.4			42.6			44.5		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.6	U		0.35	U		2.4	U		2.8	U	
1,1,1-TRICHLOROETHANE		0.33	U		0.19	U		1.3	U		1.5	U	
1,1,2,2-TETRACHLOROETHANE		0.3	U		0.18	U		1.2	U		1.4	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.51	U		0.3	U		2	U		2.4	U	
1,1-DICHLOROETHANE		0.43	U		0.25	U		1.7	U		2	U	
1,1-DICHLOROETHENE		0.37	U		0.21	U		1.5	U		1.7	U	
1,1-DICHLOROPROPENE		0.46	U		0.27	U		1.8	U		2.1	U	
1,2,3-TRICHLOROBENZENE		0.48	U		0.28	U		1.9	U		2.2	U	
1,2,3-TRICHLOROPROPANE		1.3	U		0.73	U		5	U		5.8	U	
1,2,3-TRIMETHYLBENZENE		0.16	U		0.093	U		0.63	U		0.73	U	
1,2,4-TRICHLOROBENZENE		0.37	U		0.21	U		1.5	U		1.7	U	
1,2,4-TRIMETHYLBENZENE		0.16	U		0.093	U		0.63	U		0.73	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.87	U		0.51	U		3.4	U		4	U	
1,2-DIBROMOETHANE		0.39	U		0.23	U		1.5	U		1.8	U	
1,2-DICHLOROBENZENE		0.23	U		0.14	U		0.92	U		1.1	U	
1,2-DICHLOROETHANE		0.12	U		0.071	U		0.48	U		0.56	U	
1,2-DICHLOROPROPANE		0.39	U		0.23	U		1.5	U		1.8	U	
1,3-DICHLOROBENZENE		0.37	U		0.21	U		1.5	U		1.7	U	
1,3-DICHLOROPROPANE		0.28	U		0.16	U		1.1	U		1.3	U	
1,4-DICHLOROBENZENE		0.5	U		0.29	U		2	U		2.3	U	
2,2-DICHLOROPROPANE		0.63	U		0.37	U		2.5	U		2.9	U	
2-BUTANONE		0.89	UJ	C	0.52	UJ	C	3.5	U		4.1	U	
2-CHLOROETHYL VINYL ETHER		0.95	UJ	C	0.56	UJ	C	3.8	UJ	C	4.4	UJ	C
2-CHLOROTOLUENE		0.5	U		0.29	U		2	U		2.3	U	
2-HEXANONE		1	U		0.6	U		4.1	U		4.7	U	
4-CHLOROTOLUENE		0.32	U		0.19	U		1.3	U		1.5	U	
4-ISOPROPYLTOLUENE		0.3	U		0.18	U		11	J	P	9.2	J	P
4-METHYL-2-PENTANONE		0.68	U		0.4	U		2.7	U		3.2	U	
ACETONE		3.2	J	CP	1.6	UJ	C	12	J	CP	14	J	CP
BENZENE		0.11	U		0.064	U		0.44	U		0.51	U	
BROMOBENZENE		0.16	U		0.093	U		0.63	U		0.73	U	
BROMOCHLOROMETHANE		0.85	U		0.5	U		3.4	U		3.9	U	
BROMODICHLOROMETHANE		0.46	U		0.27	U		1.8	U		2.1	U	
BROMOFORM		0.74	U		0.43	U		3	U		3.4	U	
BROMOMETHANE		0.62	UJ	C	0.36	UJ	C	2.5	U		2.9	U	

PROJ_NO: 07835	NSAMPLE	DR-TL2N-050916			DR-TL2S-050916			DR-TL3N-051016			DR-TL3S-051016		
SDG: 240-64634-1	LAB_ID	240-64634-21			240-64634-22			240-64678-1			240-64678-2		
FRACTION: OV	SAMP_DATE	5/9/2016			5/9/2016			5/10/2016			5/10/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	43.0			43.7			39.6			41.9		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		1.5	U		5.6	U		4.2	U		2.1	U	
1,1,1-TRICHLOROETHANE		0.84	U		3.1	U		2.3	U		1.2	U	
1,1,2,2-TETRACHLOROETHANE		0.78	U		2.9	U		2.1	U		1.1	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		1.3	U		4.8	U		3.6	U		1.8	U	
1,1-DICHLOROETHANE		1.1	U		4	U		3	U		1.5	U	
1,1-DICHLOROETHENE		0.94	U		3.5	U		2.6	U		1.3	U	
1,1-DICHLOROPROPENE		1.2	U		4.4	U		3.2	U		1.6	U	
1,2,3-TRICHLOROBENZENE		1.2	U		4.5	U		3.3	U		1.7	U	
1,2,3-TRICHLOROPROPANE		3.2	U		12	U		8.8	U		4.4	U	
1,2,3-TRIMETHYLBENZENE		0.41	U		1.5	U		1.1	U		0.56	U	
1,2,4-TRICHLOROBENZENE		0.94	U		3.5	U		2.6	U		1.3	U	
1,2,4-TRIMETHYLBENZENE		0.41	U		1.5	U		1.1	U		0.56	U	
1,2-DIBROMO-3-CHLOROPROPANE		2.2	U		8.2	U		6.1	U		3	U	
1,2-DIBROMOETHANE		1	U		3.7	U		2.7	U		1.4	U	
1,2-DICHLOROBENZENE		0.59	U		2.2	U		1.6	U		0.81	U	
1,2-DICHLOROETHANE		0.31	U		1.2	U		0.85	U		0.43	U	
1,2-DICHLOROPROPANE		1	U		3.7	U		2.7	U		1.4	U	
1,3-DICHLOROBENZENE		0.94	U		3.5	U		2.6	U		1.3	U	
1,3-DICHLOROPROPANE		0.72	U		2.6	U		2	U		0.99	U	
1,4-DICHLOROBENZENE		1.3	U		4.7	U		3.5	U		1.8	U	
2,2-DICHLOROPROPANE		1.6	U		6	U		4.4	U		2.2	U	
2-BUTANONE		2.3	UJ	C	8.4	UJ	C	6.2	UJ	C	3.1	UJ	C
2-CHLOROETHYL VINYL ETHER		2.4	UJ	C	9	UJ	C	6.7	UJ	C	3.3	UJ	C
2-CHLOROTOLUENE		1.3	U		4.7	U		3.5	U		1.8	U	
2-HEXANONE		2.6	U		9.7	U		7.2	U		3.6	U	
4-CHLOROTOLUENE		0.81	U		3	U		2.2	U		1.1	U	
4-ISOPROPYLTOLUENE		2.1	J	P	9	J	PR	3.7	J	PR	4	J	PR
4-METHYL-2-PENTANONE		1.8	U		6.4	U		4.8	U		2.4	U	
ACETONE		7.1	UJ	C	26	UJ	C	19	UJ	C	9.7	UJ	C
BENZENE		0.28	U		1	U		0.77	U		0.39	U	
BROMOBENZENE		0.41	U		1.5	U		1.1	U		0.56	U	
BROMOCHLOROMETHANE		2.2	U		8.1	U		6	U		3	U	
BROMODICHLOROMETHANE		1.2	U		4.4	U		3.2	U		1.6	U	
BROMOFORM		1.9	U		7	U		5.2	U		2.6	U	
BROMOMETHANE		1.6	UJ	C	5.9	UJ	C	4.4	UJ	C	2.2	UJ	C

PROJ_NO: 07835	NSAMPLE	DR-TL4N-050916			DR-TL4S-050916			DR-TL6N-050916			DR-TL6S-050916		
SDG: 240-64634-1	LAB_ID	240-64634-10			240-64634-11			240-64634-19			240-64634-20		
FRACTION: OV	SAMP_DATE	5/9/2016			5/9/2016			5/9/2016			5/9/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	51.6			56.0			61.9			61.9		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.48	U		0.41	U		0.32	U		0.38	U	
1,1,1-TRICHLOROETHANE		0.27	U		0.22	U		0.17	U		0.21	U	
1,1,2,2-TETRACHLOROETHANE		0.25	U		0.21	U		0.16	U		0.19	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41	U		0.35	U		0.27	U		0.32	U	
1,1-DICHLOROETHANE		0.34	U		0.29	U		0.23	U		0.27	U	
1,1-DICHLOROETHENE		0.29	U		0.25	U		0.19	U		0.23	U	
1,1-DICHLOROPROPENE		0.37	U		0.31	U		0.25	U		0.29	U	
1,2,3-TRICHLOROBENZENE		0.38	U		0.32	U		0.25	U		0.3	U	
1,2,3-TRICHLOROPROPANE		1	U		0.85	U		0.67	U		0.79	U	
1,2,3-TRIMETHYLBENZENE		0.13	U		0.11	U		0.084	U		0.1	U	
1,2,4-TRICHLOROBENZENE		0.29	U		0.25	U		0.19	U		0.23	U	
1,2,4-TRIMETHYLBENZENE		0.13	U		0.11	U		0.084	U		0.1	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.7	U		0.59	U		0.46	U		0.55	U	
1,2-DIBROMOETHANE		0.31	U		0.27	U		0.21	U		0.25	U	
1,2-DICHLOROBENZENE		0.19	U		0.16	U		0.12	U		0.15	U	
1,2-DICHLOROETHANE		0.098	U		0.083	U		0.065	U		0.077	U	
1,2-DICHLOROPROPANE		0.31	U		0.27	U		0.21	U		0.25	U	
1,3-DICHLOROBENZENE		0.29	U		0.25	U		0.19	U		0.23	U	
1,3-DICHLOROPROPANE		0.23	U		0.19	U		0.15	U		0.18	U	
1,4-DICHLOROBENZENE		0.4	U		0.34	U		0.27	U		0.32	U	
2,2-DICHLOROPROPANE		0.51	U		0.43	U		0.34	U		0.4	U	
2-BUTANONE		0.72	U		0.6	U		0.47	U		0.56	UJ	C
2-CHLOROETHYL VINYL ETHER		0.77	UJ	C	0.65	UJ	C	0.5	UJ	C	0.6	UJ	C
2-CHLOROTOLUENE		0.4	U		0.34	U		0.27	U		0.32	U	
2-HEXANONE		0.82	U		0.7	U		0.54	U		0.65	U	
4-CHLOROTOLUENE		0.26	U		0.22	U		0.17	U		0.2	U	
4-ISOPROPYLTOLUENE		0.33	J	P	0.21	U		0.16	U		0.19	U	
4-METHYL-2-PENTANONE		0.55	U		0.46	U		0.36	U		0.43	U	
ACETONE		2.2	J	CP	1.9	UJ	C	1.5	UJ	C	1.7	UJ	C
BENZENE		0.088	U		0.075	U		0.058	U		0.069	U	
BROMOBENZENE		0.13	U		0.11	U		0.084	U		0.1	U	
BROMOCHLOROMETHANE		0.69	U		0.58	U		0.45	U		0.54	U	
BROMODICHLOROMETHANE		0.37	U		0.31	U		0.25	U		0.29	U	
BROMOFORM		0.6	U		0.51	U		0.39	U		0.47	U	
BROMOMETHANE		0.5	U		0.42	U		0.33	U		0.39	UJ	C

PROJ_NO: 07835	NSAMPLE	DR-TL9N-050916			DR-TL9S-050916			DR-TLDUP1-050916			DR-TLDUP2-050916		
SDG: 240-64634-1	LAB_ID	240-64634-15			240-64634-16			240-64634-9			240-64634-12		
FRACTION: OV	SAMP_DATE	5/9/2016			5/9/2016			5/9/2016			5/9/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	56.8			58.2			45.5			62.1		
	DUP_OF							DR-TL1S-050916			DR-TL4S-050916		
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.44	U		0.42	U		1.7	U		0.42	U	
1,1,1-TRICHLOROETHANE		0.24	U		0.23	U		0.92	U		0.23	U	
1,1,2,2-TETRACHLOROETHANE		0.23	U		0.22	U		0.85	U		0.21	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.38	U		0.36	U		1.4	U		0.36	U	
1,1-DICHLOROETHANE		0.32	U		0.3	U		1.2	U		0.3	U	
1,1-DICHLOROETHENE		0.27	U		0.26	U		1	U		0.25	U	
1,1-DICHLOROPROPENE		0.34	U		0.33	U		1.3	U		0.32	U	
1,2,3-TRICHLOROBENZENE		0.35	U		0.34	U		1.3	U		0.33	U	
1,2,3-TRICHLOROPROPANE		0.93	U		0.89	U		3.5	U		0.88	U	
1,2,3-TRIMETHYLBENZENE		0.12	U		0.11	U		0.44	U		0.11	U	
1,2,4-TRICHLOROBENZENE		0.27	U		0.26	U		1	U		0.25	U	
1,2,4-TRIMETHYLBENZENE		0.12	U		0.11	U		0.44	U		0.11	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.64	U		0.62	U		2.4	U		0.6	U	
1,2-DIBROMOETHANE		0.29	U		0.28	U		1.1	U		0.27	U	
1,2-DICHLOROBENZENE		0.17	U		0.16	U		0.65	U		0.16	U	
1,2-DICHLOROETHANE		0.091	U		0.087	U		0.34	U		0.085	U	
1,2-DICHLOROPROPANE		0.29	U		0.28	U		1.1	U		0.27	U	
1,3-DICHLOROBENZENE		0.27	U		0.26	U		1	U		0.25	U	
1,3-DICHLOROPROPANE		0.21	U		0.2	U		0.78	U		0.2	U	
1,4-DICHLOROBENZENE		0.37	U		0.36	U		1.4	U		0.35	U	
2,2-DICHLOROPROPANE		0.47	U		0.45	U		1.8	U		0.44	U	
2-BUTANONE		0.66	U		0.63	U		2.5	U		0.62	U	
2-CHLOROETHYL VINYL ETHER		0.71	UJ	C	0.68	UJ	C	2.7	UJ	C	0.66	UJ	C
2-CHLOROTOLUENE		0.37	U		0.36	U		1.4	U		0.35	U	
2-HEXANONE		0.76	U		0.73	U		2.9	U		0.71	U	
4-CHLOROTOLUENE		0.24	U		0.23	U		0.89	U		0.22	U	
4-ISOPROPYLTOLUENE		0.23	U		0.22	U		6.1	J	P	0.21	U	
4-METHYL-2-PENTANONE		0.51	U		0.49	U		1.9	U		0.48	U	
ACETONE		2.1	J	CP	2	UJ	C	8.6	J	CP	2	J	CP
BENZENE		0.082	U		0.078	U		0.31	U		0.076	U	
BROMOBENZENE		0.12	U		0.11	U		0.44	U		0.11	U	
BROMOCHLOROMETHANE		0.63	U		0.61	U		2.4	U		0.59	U	
BROMODICHLOROMETHANE		0.34	U		0.33	U		1.3	U		0.32	U	
BROMOFORM		0.55	U		0.53	U		2.1	U		0.52	U	
BROMOMETHANE		0.46	U		0.44	U		1.7	U		0.43	U	

PROJ_NO: 07835	NSAMPLE	DR-TLDUP3-050916		
SDG: 240-64634-1	LAB_ID	240-64634-23		
FRACTION: OV	SAMP_DATE	5/9/2016		
MEDIA: SOIL	QC_TYPE	NM		
	UNITS	MG/KG		
	PCT_SOLIDS	38.1		
	DUP_OF	DR-TL18N-050916		
PARAMETER		RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.63	U	
1,1,1-TRICHLOROETHANE		0.35	U	
1,1,2,2-TETRACHLOROETHANE		0.32	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.54	U	
1,1-DICHLOROETHANE		0.45	U	
1,1-DICHLOROETHENE		0.39	U	
1,1-DICHLOROPROPENE		0.49	U	
1,2,3-TRICHLOROBENZENE		0.5	U	
1,2,3-TRICHLOROPROPANE		1.3	U	
1,2,3-TRIMETHYLBENZENE		0.17	U	
1,2,4-TRICHLOROBENZENE		0.39	U	
1,2,4-TRIMETHYLBENZENE		0.17	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.92	U	
1,2-DIBROMOETHANE		0.41	U	
1,2-DICHLOROBENZENE		0.25	U	
1,2-DICHLOROETHANE		0.13	U	
1,2-DICHLOROPROPANE		0.41	U	
1,3-DICHLOROBENZENE		0.39	U	
1,3-DICHLOROPROPANE		0.3	U	
1,4-DICHLOROBENZENE		0.53	U	
2,2-DICHLOROPROPANE		0.67	U	
2-BUTANONE		0.94	UJ	C
2-CHLOROETHYL VINYL ETHER		1	UJ	C
2-CHLOROTOLUENE		0.53	U	
2-HEXANONE		1.1	U	
4-CHLOROTOLUENE		0.34	U	
4-ISOPROPYLTOLUENE		0.32	U	
4-METHYL-2-PENTANONE		0.72	U	
ACETONE		3.5	J	CP
BENZENE		0.12	U	
BROMOBENZENE		0.17	U	
BROMOCHLOROMETHANE		0.9	U	
BROMODICHLOROMETHANE		0.49	U	
BROMOFORM		0.79	U	
BROMOMETHANE		0.66	UJ	C

PROJ_NO: 07835	NSAMPLE	DR-TG4N-050916			DR-TG4S-050916			DR-TG5N-050916			DR-TG5S-050916		
SDG: 240-64634-1	LAB_ID	240-64634-2			240-64634-1			240-64634-3			240-64634-4		
FRACTION: OV	SAMP_DATE	5/9/2016			5/9/2016			5/9/2016			5/9/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	56.7			59.4			60.1			57.9		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.51	U		0.47	U		0.4	U		0.43	U	
CARBON TETRACHLORIDE		0.16	U		0.15	U		0.13	U		0.14	U	
CHLOROBENZENE		0.12	U		0.11	U		0.093	U		0.099	U	
CHLORODIBROMOMETHANE		0.18	U		0.17	U		0.14	U		0.15	U	
CHLORODIFLUOROMETHANE		2.3	UJ	Q	2.1	UJ	Q	1.8	UJ	Q	1.9	UJ	Q
CHLOROETHANE		0.47	U		0.43	U		0.37	U		0.39	U	
CHLOROFORM		0.33	U		0.3	U		0.26	U		0.27	U	
CHLOROMETHANE		0.44	U		0.4	U		0.34	U		0.37	U	
CIS-1,2-DICHLOROETHENE		0.35	U		0.32	U		0.27	U		0.29	U	
CIS-1,3-DICHLOROPROPENE		0.2	U		0.18	U		0.16	U		0.17	U	
DIBROMOMETHANE		0.46	U		0.42	U		0.36	U		0.38	U	
DICHLORODIFLUOROMETHANE		0.56	U		0.51	U		0.44	U		0.47	U	
DIISOPROPYL ETHER		0.48	U		0.44	U		0.37	U		0.4	U	
ETHYL TERT-BUTYL ETHER		0.15	UJ	C	0.13	UJ	C	0.11	UJ	C	0.12	UJ	C
ETHYLBENZENE		0.32	U		0.29	U		0.25	U		0.27	U	
HEXACHLOROBUTADIENE		0.4	U		0.37	U		0.32	U		0.34	U	
ISOPROPYLBENZENE		0.12	U		0.11	U		0.093	U		0.099	U	
M+P-XYLENES		0.18	U		0.17	U		0.14	U		0.15	U	
METHYL TERT-BUTYL ETHER		0.27	U		0.25	U		0.21	U		0.23	U	
METHYLENE CHLORIDE		0.78	U		0.71	U		0.61	U		0.65	U	
NAPHTHALENE		0.24	U		0.22	U		0.19	U		0.2	U	
N-BUTYLBENZENE		0.19	U		0.18	U		0.15	U		0.16	U	
N-PROPYLBENZENE		0.56	U		0.51	U		0.44	U		0.47	U	
O-XYLENE		0.16	U		0.14	U		0.12	U		0.13	U	
SEC-BUTYLBENZENE		0.15	U		0.13	U		0.11	U		0.12	U	
STYRENE		0.25	U		0.23	U		0.19	U		0.21	U	
TERT-AMYL METHYL ETHER		0.38	UJ	C	0.35	UJ	C	0.3	UJ	C	0.32	UJ	C
TERT-BUTYLBENZENE		0.31	U		0.29	U		0.24	U		0.26	U	
TERTIARY-BUTYL ALCOHOL		7.7	UJ	CE	7	UJ	CE	6	UJ	CE	6.4	UJ	CE
TETRACHLOROETHENE		0.25	U		0.23	U		0.19	U		0.21	U	
TOLUENE		0.092	U		0.084	U		0.072	U		0.076	U	
TOTAL XYLENES		0.29	U		0.27	U		0.23	U		0.24	U	
TRANS-1,2-DICHLOROETHENE		0.24	U		0.22	U		0.19	U		0.2	U	
TRANS-1,3-DICHLOROPROPENE		0.24	U		0.22	U		0.19	U		0.2	U	
TRICHLOROETHENE		0.36	U		0.33	U		0.28	U		0.3	U	

PROJ_NO: 07835	NSAMPLE	DR-TG6N-050916			DR-TG6S-050916			DR-TL10N-050916			DR-TL10S-050916		
SDG: 240-64634-1	LAB_ID	240-64634-5			240-64634-6			240-64634-14			240-64634-13		
FRACTION: OV	SAMP_DATE	5/9/2016			5/9/2016			5/9/2016			5/9/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	66.1			64.1			52.7			52.4		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.37	U		0.46	U		0.45	U		0.55	U	
CARBON TETRACHLORIDE		0.12	U		0.15	U		0.14	U		0.18	U	
CHLOROBENZENE		0.086	U		0.11	U		0.1	U		0.13	U	
CHLORODIBROMOMETHANE		0.13	U		0.17	U		0.16	U		0.2	U	
CHLORODIFLUOROMETHANE		1.7	UJ	Q	2.1	UJ	Q	2	UJ	Q	2.5	UJ	Q
CHLOROETHANE		0.34	U		0.42	U		0.41	U		0.5	U	
CHLOROFORM		0.24	U		0.3	U		0.29	U		0.35	U	
CHLOROMETHANE		0.32	U		0.4	U		0.38	U		0.47	U	
CIS-1,2-DICHLOROETHENE		0.25	U		0.31	U		0.3	U		0.37	U	
CIS-1,3-DICHLOROPROPENE		0.15	U		0.18	U		0.18	U		0.22	U	
DIBROMOMETHANE		0.33	U		0.41	U		0.4	U		0.49	U	
DICHLORODIFLUOROMETHANE		0.4	U		0.5	U		0.49	U		0.6	U	
DIISOPROPYL ETHER		0.34	U		0.43	U		0.41	U		0.51	U	
ETHYL TERT-BUTYL ETHER		0.11	UJ	C	0.13	UJ	C	0.13	UJ	C	0.16	UJ	C
ETHYLBENZENE		0.23	U		0.29	U		0.28	U		0.34	U	
HEXACHLOROBUTADIENE		0.29	U		0.36	U		0.35	U		0.43	U	
ISOPROPYLBENZENE		0.086	U		0.11	U		0.1	U		0.13	U	
M+P-XYLENES		0.13	U		0.17	U		0.16	U		0.2	U	
METHYL TERT-BUTYL ETHER		0.2	U		0.25	U		0.24	U		0.3	U	
METHYLENE CHLORIDE		0.56	U		0.7	U		0.68	U		0.84	U	
NAPHTHALENE		0.17	U		0.22	U		0.21	U		0.26	U	
N-BUTYLBENZENE		0.14	U		0.17	U		0.17	U		0.21	U	
N-PROPYLBENZENE		0.4	U		0.5	U		0.49	U		0.6	U	
O-XYLENE		0.11	U		0.14	U		0.14	U		0.17	U	
SEC-BUTYLBENZENE		0.11	U		0.13	U		0.13	U		0.16	U	
STYRENE		0.18	U		0.22	U		0.22	U		0.27	U	
TERT-AMYL METHYL ETHER		0.28	UJ	C	0.35	UJ	C	0.33	UJ	C	0.41	UJ	C
TERT-BUTYLBENZENE		0.22	U		0.28	U		0.27	U		0.33	U	
TERTIARY-BUTYL ALCOHOL		5.5	UJ	CE	6.9	UJ	CE	6.7	UJ	CE	8.2	UJ	CE
TETRACHLOROETHENE		0.18	U		0.22	U		0.22	U		0.27	U	
TOLUENE		0.066	U		0.083	U		0.08	U		0.098	U	
TOTAL XYLENES		0.21	U		0.26	U		0.26	U		0.31	U	
TRANS-1,2-DICHLOROETHENE		0.17	U		0.22	U		0.21	U		0.26	U	
TRANS-1,3-DICHLOROPROPENE		0.17	U		0.22	U		0.21	U		0.26	U	
TRICHLOROETHENE		0.26	U		0.32	U		0.31	U		0.38	U	

PROJ_NO: 07835	NSAMPLE	DR-TL11N-051016			DR-TL11S-051016			DR-TL12N-050916			DR-TL12S-050916		
SDG: 240-64634-1	LAB_ID	240-64678-3			240-64678-4			240-64634-17			240-64634-18		
FRACTION: OV	SAMP_DATE	5/10/2016			5/10/2016			5/9/2016			5/9/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	60.6			59.7			52.4			55.7		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.5	U		0.37	U		0.4	U		0.42	U	
CARBON TETRACHLORIDE		0.16	U		0.12	U		0.13	U		0.13	U	
CHLOROBENZENE		0.12	U		0.085	U		0.094	U		0.097	U	
CHLORODIBROMOMETHANE		0.18	U		0.13	U		0.14	U		0.15	U	
CHLORODIFLUOROMETHANE		2.2	UJ	Q	1.6	UJ	Q	1.8	UJ	Q	1.9	UJ	Q
CHLOROETHANE		0.45	U		0.33	U		0.37	U		0.38	U	
CHLOROFORM		0.32	U		0.24	U		0.26	U		0.27	U	
CHLOROMETHANE		0.43	U		0.32	U		0.35	U		0.36	U	
CIS-1,2-DICHLOROETHENE		0.34	U		0.25	U		0.27	U		0.28	U	
CIS-1,3-DICHLOROPROPENE		0.2	U		0.14	U		0.16	U		0.16	U	
DIBROMOMETHANE		0.44	U		0.33	U		0.36	U		0.37	U	
DICHLORODIFLUOROMETHANE		0.54	U		0.4	U		0.44	U		0.46	U	
DIISOPROPYL ETHER		0.46	U		0.34	U		0.38	U		0.39	U	
ETHYL TERT-BUTYL ETHER		0.14	UJ	C	0.11	UJ	C	0.12	UJ	C	0.12	UJ	C
ETHYLBENZENE		0.31	U		0.23	U		0.25	U		0.26	U	
HEXACHLOROBUTADIENE		0.39	U		0.29	U		0.32	U		0.33	U	
ISOPROPYLBENZENE		0.12	U		0.085	U		0.094	U		0.097	U	
M+P-XYLENES		0.18	U		0.13	U		0.14	U		0.15	U	
METHYL TERT-BUTYL ETHER		0.27	U		0.2	U		0.22	U		0.22	U	
METHYLENE CHLORIDE		0.76	U		0.56	U		0.61	U		0.64	U	
NAPHTHALENE		0.23	U		0.17	U		0.19	U		0.19	U	
N-BUTYLBENZENE		0.19	U		0.14	U		0.15	U		0.16	U	
N-PROPYLBENZENE		0.54	U		0.4	U		0.44	U		0.46	U	
O-XYLENE		0.15	U		0.11	U		0.12	U		0.13	U	
SEC-BUTYLBENZENE		0.14	U		0.11	U		0.12	U		0.12	U	
STYRENE		0.24	U		0.18	U		0.19	U		0.2	U	
TERT-AMYL METHYL ETHER		0.37	UJ	C	0.28	UJ	C	0.3	UJ	C	0.31	UJ	C
TERT-BUTYLBENZENE		0.3	U		0.22	U		0.25	U		0.25	U	
TERTIARY-BUTYL ALCOHOL		7.4	UJ	CE	5.5	UJ	CE	6	UJ	CE	6.3	UJ	CE
TETRACHLOROETHENE		0.24	U		0.18	U		0.19	U		0.2	U	
TOLUENE		0.7	U	A	0.48	U	A	0.072	U		0.075	U	
TOTAL XYLENES		0.28	U		0.21	U		0.23	U		0.24	U	
TRANS-1,2-DICHLOROETHENE		0.23	U		0.17	U		0.19	U		0.19	U	
TRANS-1,3-DICHLOROPROPENE		0.23	U		0.17	U		0.19	U		0.19	U	
TRICHLOROETHENE		0.35	U		0.26	U		0.28	U		0.29	U	

PROJ_NO: 07835	NSAMPLE	DR-TL13N-051016			DR-TL13S-051016			DR-TL14N-051016			DR-TL14S-051016		
SDG: 240-64634-1	LAB_ID	240-64678-5			240-64678-6			240-64678-7			240-64678-8		
FRACTION: OV	SAMP_DATE	5/10/2016			5/10/2016			5/10/2016			5/10/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	62.5			59.2			57.3			58.9		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.45	U		0.45	U		0.47	U		0.37	U	
CARBON TETRACHLORIDE		0.15	U		0.14	U		0.15	U		0.12	U	
CHLOROBENZENE		0.1	U		0.1	U		0.11	U		0.085	U	
CHLORODIBROMOMETHANE		0.16	U		0.16	U		0.17	U		0.13	U	
CHLORODIFLUOROMETHANE		2	UJ	Q	2	UJ	Q	2.1	UJ	Q	1.6	UJ	Q
CHLOROETHANE		0.41	U		0.41	U		0.43	U		0.33	U	
CHLOROFORM		0.29	U		0.29	U		0.3	U		0.24	U	
CHLOROMETHANE		0.39	U		0.38	U		0.4	U		0.31	U	
CIS-1,2-DICHLOROETHENE		0.31	U		0.3	U		0.32	U		0.25	U	
CIS-1,3-DICHLOROPROPENE		0.18	U		0.18	U		0.18	U		0.14	U	
DIBROMOMETHANE		0.4	U		0.4	U		0.42	U		0.33	U	
DICHLORODIFLUOROMETHANE		0.49	U		0.49	U		0.51	U		0.4	U	
DIISOPROPYL ETHER		0.42	U		0.41	U		0.44	U		0.34	U	
ETHYL TERT-BUTYL ETHER		0.13	UJ	C	0.13	UJ	C	0.13	UJ	C	0.1	UJ	C
ETHYLBENZENE		0.28	U		0.28	U		0.29	U		0.23	U	
HEXACHLOROBUTADIENE		0.36	U		0.35	U		0.37	U		0.29	U	
ISOPROPYLBENZENE		0.1	U		0.1	U		0.11	U		0.085	U	
M+P-XYLENES		0.16	U		0.16	U		0.17	U		0.13	U	
METHYL TERT-BUTYL ETHER		0.24	U		0.24	U		0.25	U		0.2	U	
METHYLENE CHLORIDE		0.69	U		0.68	U		0.71	U		0.56	U	
NAPHTHALENE		0.21	U		0.21	U		0.22	U		0.17	U	
N-BUTYLBENZENE		0.17	U		0.17	U		0.18	U		0.14	U	
N-PROPYLBENZENE		0.49	U		0.49	U		0.51	U		0.4	U	
O-XYLENE		0.14	U		0.14	U		0.14	U		0.11	U	
SEC-BUTYLBENZENE		0.13	U		0.13	U		0.13	U		0.1	U	
STYRENE		0.22	U		0.22	U		0.23	U		0.18	U	
TERT-AMYL METHYL ETHER		0.34	UJ	C	0.33	UJ	C	0.35	UJ	C	0.28	UJ	C
TERT-BUTYLBENZENE		0.27	U		0.27	U		0.29	U		0.22	U	
TERTIARY-BUTYL ALCOHOL		6.8	UJ	CE	6.7	UJ	CE	7	UJ	CE	5.5	UJ	CE
TETRACHLOROETHENE		0.22	U		0.22	U		0.23	U		0.18	U	
TOLUENE		0.62	U	A	0.41	U	A	0.63	U	A	0.28	U	A
TOTAL XYLENES		0.26	U		0.26	U		0.27	U		0.21	U	
TRANS-1,2-DICHLOROETHENE		0.21	U		0.21	U		0.22	U		0.17	U	
TRANS-1,3-DICHLOROPROPENE		0.21	U		0.21	U		0.22	U		0.17	U	
TRICHLOROETHENE		0.31	U		0.31	U		0.33	U		0.26	U	

PROJ_NO: 07835	NSAMPLE	DR-TL15N-051016			DR-TL15S-051016			DR-TL16N-051016			DR-TL16S-051016		
SDG: 240-64634-1	LAB_ID	240-64678-9			240-64678-10			240-64678-11			240-64678-12		
FRACTION: OV	SAMP_DATE	5/10/2016			5/10/2016			5/10/2016			5/10/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	61.7			63.5			65.5			70.4		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.49	U		0.36	U		0.45	U		0.28	U	
CARBON TETRACHLORIDE		0.16	U		0.12	U		0.14	U		0.091	U	
CHLOROBENZENE		0.11	U		0.083	U		0.1	U		0.065	U	
CHLORODIBROMOMETHANE		0.17	U		0.13	U		0.16	U		0.1	U	
CHLORODIFLUOROMETHANE		2.2	UJ	Q	1.6	UJ	Q	2	UJ	Q	1.3	UJ	Q
CHLOROETHANE		0.44	U		0.33	U		0.41	U		0.26	U	
CHLOROFORM		0.31	U		0.23	U		0.29	U		0.18	U	
CHLOROMETHANE		0.42	U		0.31	U		0.38	U		0.24	U	
CIS-1,2-DICHLOROETHENE		0.33	U		0.24	U		0.3	U		0.19	U	
CIS-1,3-DICHLOROPROPENE		0.19	U		0.14	U		0.18	U		0.11	U	
DIBROMOMETHANE		0.44	U		0.32	U		0.4	U		0.25	U	
DICHLORODIFLUOROMETHANE		0.53	U		0.39	U		0.49	U		0.31	U	
DIISOPROPYL ETHER		0.45	U		0.33	U		0.42	U		0.26	U	
ETHYL TERT-BUTYL ETHER		0.14	UJ	C	0.1	UJ	C	0.13	UJ	C	0.081	UJ	C
ETHYLBENZENE		0.31	U		0.22	U		0.28	U		0.18	U	
HEXACHLOROBUTADIENE		0.38	U		0.28	U		0.35	U		0.22	U	
ISOPROPYLBENZENE		0.11	U		0.083	U		0.1	U		0.065	U	
M+P-XYLENES		0.17	U		0.13	U		0.16	U		0.1	U	
METHYL TERT-BUTYL ETHER		0.26	U		0.19	U		0.24	U		0.15	U	
METHYLENE CHLORIDE		0.74	U		0.54	U		0.68	U		0.43	U	
NAPHTHALENE		0.23	U		0.17	U		0.21	U		0.13	U	
N-BUTYLBENZENE		0.18	U		0.13	U		0.17	U		0.11	U	
N-PROPYLBENZENE		0.53	U		0.39	U		0.49	U		0.31	U	
O-XYLENE		0.15	U		0.11	U		0.14	U		0.086	U	
SEC-BUTYLBENZENE		0.14	U		0.1	U		0.13	U		0.081	U	
STYRENE		0.24	U		0.17	U		0.22	U		0.14	U	
TERT-AMYL METHYL ETHER		0.37	UJ	C	0.27	UJ	C	0.34	UJ	C	0.21	UJ	C
TERT-BUTYLBENZENE		0.3	U		0.22	U		0.27	U		0.17	U	
TERTIARY-BUTYL ALCOHOL		7.3	UJ	CE	5.4	UJ	CE	6.7	UJ	CE	4.2	UJ	CE
TETRACHLOROETHENE		0.24	U		0.17	U		0.22	U		0.14	U	
TOLUENE		0.6	U	A	0.36	U	A	0.59	U	A	0.36	U	A
TOTAL XYLENES		0.28	U		0.2	U		0.26	U		0.16	U	
TRANS-1,2-DICHLOROETHENE		0.23	U		0.17	U		0.21	U		0.13	U	
TRANS-1,3-DICHLOROPROPENE		0.23	U		0.17	U		0.21	U		0.13	U	
TRICHLOROETHENE		0.34	U		0.25	U		0.31	U		0.2	U	

PROJ_NO: 07835	NSAMPLE	DR-TL18N-050916			DR-TL18S-050916			DR-TL1N-050916			DR-TL1S-050916		
SDG: 240-64634-1	LAB_ID	240-64634-24			240-64634-25			240-64634-7			240-64634-8		
FRACTION: OV	SAMP_DATE	5/9/2016			5/9/2016			5/9/2016			5/9/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	40.8			62.4			42.6			44.5		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.68	U		0.4	U		2.7	U		3.2	U	
CARBON TETRACHLORIDE		0.22	U		0.13	U		0.87	U		1	U	
CHLOROBENZENE		0.16	U		0.093	U		0.63	U		0.73	U	
CHLORODIBROMOMETHANE		0.24	U		0.14	U		0.97	U		1.1	U	
CHLORODIFLUOROMETHANE		3	UJ	Q	1.8	UJ	Q	12	UJ	Q	14	UJ	Q
CHLOROETHANE		0.62	U		0.36	U		2.5	U		2.9	U	
CHLOROFORM		0.44	U		0.26	U		1.7	U		2	U	
CHLOROMETHANE		0.59	U		0.34	U		2.3	U		2.7	U	
CIS-1,2-DICHLOROETHENE		0.46	U		0.27	U		1.8	U		2.1	U	
CIS-1,3-DICHLOROPROPENE		0.27	U		0.16	U		1.1	U		1.2	U	
DIBROMOMETHANE		0.61	U		0.36	U		2.4	U		2.8	U	
DICHLORODIFLUOROMETHANE		0.74	U		0.43	U		3	U		3.4	U	
DIISOPROPYL ETHER		0.63	U		0.37	U		2.5	U		2.9	U	
ETHYL TERT-BUTYL ETHER		0.2	UJ	C	0.11	UJ	C	0.77	UJ	C	0.9	UJ	C
ETHYLBENZENE		0.43	U		0.25	U		1.7	U		2	U	
HEXACHLOROBUTADIENE		0.54	U		0.31	U		2.1	U		2.5	U	
ISOPROPYLBENZENE		0.16	U		0.093	U		0.63	U		0.73	U	
M+P-XYLENES		0.24	U		0.14	U		0.97	U		1.1	U	
METHYL TERT-BUTYL ETHER		0.37	U		0.21	U		1.5	U		1.7	U	
METHYLENE CHLORIDE		1	U		0.61	U		4.1	U		4.8	U	
NAPHTHALENE		0.32	U		0.19	U		1.3	U		1.5	U	
N-BUTYLBENZENE		0.26	U		0.15	U		1	U		1.2	U	
N-PROPYLBENZENE		0.74	U		0.43	U		3	U		3.4	U	
O-XYLENE		0.21	U		0.12	U		0.82	U		0.96	U	
SEC-BUTYLBENZENE		0.2	U		0.11	U		0.77	U		0.9	U	
STYRENE		0.33	U		0.19	U		1.3	U		1.5	U	
TERT-AMYL METHYL ETHER		0.51	UJ	C	0.3	UJ	C	2	UJ	C	2.4	UJ	C
TERT-BUTYLBENZENE		0.41	U		0.24	U		1.6	U		1.9	U	
TERTIARY-BUTYL ALCOHOL		10	UJ	CE	6	UJ	CE	41	UJ	CE	47	UJ	CE
TETRACHLOROETHENE		0.33	U		0.19	U		1.3	U		1.5	U	
TOLUENE		0.95	U	A	0.53	U	A	0.54	U	A	0.56	U	
TOTAL XYLENES		0.39	U		0.23	U		1.5	U		1.8	U	
TRANS-1,2-DICHLOROETHENE		0.32	U		0.19	U		1.3	U		1.5	U	
TRANS-1,3-DICHLOROPROPENE		0.32	U		0.19	U		1.3	U		1.5	U	
TRICHLOROETHENE		0.48	U		0.28	U		1.9	U		2.2	U	

PROJ_NO: 07835	NSAMPLE	DR-TL2N-050916			DR-TL2S-050916			DR-TL3N-051016			DR-TL3S-051016		
SDG: 240-64634-1	LAB_ID	240-64634-21			240-64634-22			240-64678-1			240-64678-2		
FRACTION: OV	SAMP_DATE	5/9/2016			5/9/2016			5/10/2016			5/10/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	43.0			43.7			39.6			41.9		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		1.8	U		6.4	U		4.8	U		2.4	U	
CARBON TETRACHLORIDE		0.56	U		2.1	U		1.5	U		0.77	U	
CHLOROBENZENE		0.41	U		1.5	U		1.1	U		0.56	U	
CHLORODIBROMOMETHANE		0.63	U		2.3	U		1.7	U		0.86	U	
CHLORODIFLUOROMETHANE		7.8	UJ	Q	29	UJ	Q	21	UJ	Q	11	UJ	Q
CHLOROETHANE		1.6	U		5.9	U		4.4	U		2.2	U	
CHLOROFORM		1.1	U		4.1	U		3.1	U		1.5	U	
CHLOROMETHANE		1.5	U		5.5	U		4.1	U		2.1	U	
CIS-1,2-DICHLOROETHENE		1.2	U		4.4	U		3.2	U		1.6	U	
CIS-1,3-DICHLOROPROPENE		0.69	U		2.5	U		1.9	U		0.94	U	
DIBROMOMETHANE		1.6	U		5.8	U		4.3	U		2.1	U	
DICHLORODIFLUOROMETHANE		1.9	U		7	U		5.2	U		2.6	U	
DIISOPROPYL ETHER		1.6	U		6	U		4.4	U		2.2	U	
ETHYL TERT-BUTYL ETHER		0.5	UJ	C	1.8	UJ	C	1.4	UJ	C	0.69	UJ	C
ETHYLBENZENE		1.1	U		4	U		3	U		1.5	U	
HEXACHLOROBUTADIENE		1.4	U		5.1	U		3.8	U		1.9	U	
ISOPROPYLBENZENE		0.41	U		1.5	U		1.1	U		0.56	U	
M+P-XYLENES		0.63	U		2.3	U		1.7	U		0.86	U	
METHYL TERT-BUTYL ETHER		0.94	U		3.5	U		2.6	U		1.3	U	
METHYLENE CHLORIDE		2.7	U		9.8	U		7.3	U		3.6	U	
NAPHTHALENE		0.81	U		3	U		2.2	U		1.1	U	
N-BUTYLBENZENE		0.66	U		2.4	U		1.8	U		0.9	U	
N-PROPYLBENZENE		1.9	U		7	U		5.2	U		2.6	U	
O-XYLENE		0.53	U		2	U		1.5	U		0.73	U	
SEC-BUTYLBENZENE		0.5	U		1.8	U		1.4	U		0.69	U	
STYRENE		0.84	U		3.1	U		2.3	U		1.2	U	
TERT-AMYL METHYL ETHER		1.3	UJ	C	4.8	UJ	C	3.6	UJ	C	1.8	UJ	C
TERT-BUTYLBENZENE		1.1	U		3.9	U		2.9	U		1.5	U	
TERTIARY-BUTYL ALCOHOL		26	UJ	CE	96	UJ	CE	72	UJ	CE	36	UJ	CE
TETRACHLOROETHENE		0.84	U		3.1	U		2.3	U		1.2	U	
TOLUENE		1	U	A	1.2	U	A	1.3	U	A	0.62	U	A
TOTAL XYLENES		1	U		3.7	U		2.7	U		1.4	U	
TRANS-1,2-DICHLOROETHENE		0.81	U		3	U		2.2	U		1.1	U	
TRANS-1,3-DICHLOROPROPENE		0.81	U		3	U		2.2	U		1.1	U	
TRICHLOROETHENE		1.2	U		4.5	U		3.3	U		1.7	U	

PROJ_NO: 07835	NSAMPLE	DR-TL4N-050916			DR-TL4S-050916			DR-TL6N-050916			DR-TL6S-050916		
SDG: 240-64634-1	LAB_ID	240-64634-10			240-64634-11			240-64634-19			240-64634-20		
FRACTION: OV	SAMP_DATE	5/9/2016			5/9/2016			5/9/2016			5/9/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	51.6			56.0			61.9			61.9		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.55	U		0.46	U		0.36	U		0.43	U	
CARBON TETRACHLORIDE		0.18	U		0.15	U		0.12	U		0.14	U	
CHLOROBENZENE		0.13	U		0.11	U		0.084	U		0.1	U	
CHLORODIBROMOMETHANE		0.2	U		0.17	U		0.13	U		0.15	U	
CHLORODIFLUOROMETHANE		2.5	UJ	Q	2.1	UJ	Q	1.6	UJ	Q	1.9	UJ	Q
CHLOROETHANE		0.5	U		0.42	U		0.33	U		0.39	U	
CHLOROFORM		0.35	U		0.3	U		0.23	U		0.28	U	
CHLOROMETHANE		0.47	U		0.4	U		0.31	U		0.37	U	
CIS-1,2-DICHLOROETHENE		0.37	U		0.31	U		0.25	U		0.29	U	
CIS-1,3-DICHLOROPROPENE		0.22	U		0.18	U		0.14	U		0.17	U	
DIBROMOMETHANE		0.49	U		0.41	U		0.32	U		0.38	U	
DICHLORODIFLUOROMETHANE		0.6	U		0.51	U		0.39	U		0.47	U	
DIISOPROPYL ETHER		0.51	U		0.43	U		0.34	U		0.4	U	
ETHYL TERT-BUTYL ETHER		0.16	UJ	C	0.13	UJ	C	0.1	UJ	C	0.12	UJ	C
ETHYLBENZENE		0.34	U		0.29	U		0.23	U		0.27	U	
HEXACHLOROBUTADIENE		0.43	U		0.36	U		0.28	U		0.34	U	
ISOPROPYLBENZENE		0.13	U		0.11	U		0.084	U		0.1	U	
M+P-XYLENES		0.2	U		0.17	U		0.13	U		0.15	U	
METHYL TERT-BUTYL ETHER		0.29	U		0.25	U		0.19	U		0.23	U	
METHYLENE CHLORIDE		0.83	U		0.7	U		0.55	U		0.65	U	
NAPHTHALENE		0.26	U		0.22	U		0.17	U		0.2	U	
N-BUTYLBENZENE		0.21	U		0.17	U		0.14	U		0.16	U	
N-PROPYLBENZENE		0.6	U		0.51	U		0.39	U		0.47	U	
O-XYLENE		0.17	U		0.14	U		0.11	U		0.13	U	
SEC-BUTYLBENZENE		0.16	U		0.13	U		0.1	U		0.12	U	
STYRENE		0.27	U		0.22	U		0.17	U		0.21	U	
TERT-AMYL METHYL ETHER		0.41	UJ	C	0.35	UJ	C	0.27	UJ	C	0.32	UJ	C
TERT-BUTYLBENZENE		0.33	U		0.28	U		0.22	U		0.26	U	
TERTIARY-BUTYL ALCOHOL		8.2	UJ	CE	6.9	UJ	CE	5.4	UJ	CE	6.4	UJ	CE
TETRACHLOROETHENE		0.27	U		0.22	U		0.17	U		0.21	U	
TOLUENE		0.098	U		0.083	U		0.065	U		0.89	J	P
TOTAL XYLENES		0.31	U		0.27	U		0.21	U		0.25	U	
TRANS-1,2-DICHLOROETHENE		0.26	U		0.22	U		0.17	U		0.2	U	
TRANS-1,3-DICHLOROPROPENE		0.26	U		0.22	U		0.17	U		0.2	U	
TRICHLOROETHENE		0.38	U		0.32	U		0.25	U		0.3	U	

PROJ_NO: 07835	NSAMPLE	DR-TL9N-050916			DR-TL9S-050916			DR-TLDUP1-050916			DR-TLDUP2-050916		
SDG: 240-64634-1	LAB_ID	240-64634-15			240-64634-16			240-64634-9			240-64634-12		
FRACTION: OV	SAMP_DATE	5/9/2016			5/9/2016			5/9/2016			5/9/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	56.8			58.2			45.5			62.1		
	DUP_OF							DR-TL1S-050916			DR-TL4S-050916		
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.51	U		0.49	U		1.9	U		0.48	U	
CARBON TETRACHLORIDE		0.16	U		0.16	U		0.61	U		0.15	U	
CHLOROBENZENE		0.12	U		0.11	U		0.44	U		0.11	U	
CHLORODIBROMOMETHANE		0.18	U		0.17	U		0.68	U		0.17	U	
CHLORODIFLUOROMETHANE		2.3	UJ	Q	2.2	UJ	Q	8.5	UJ	Q	2.1	UJ	Q
CHLOROETHANE		0.46	U		0.44	U		1.7	U		0.43	U	
CHLOROFORM		0.33	U		0.31	U		1.2	U		0.31	U	
CHLOROMETHANE		0.43	U		0.42	U		1.6	U		0.41	U	
CIS-1,2-DICHLOROETHENE		0.34	U		0.33	U		1.3	U		0.32	U	
CIS-1,3-DICHLOROPROPENE		0.2	U		0.19	U		0.75	U		0.19	U	
DIBROMOMETHANE		0.45	U		0.43	U		1.7	U		0.42	U	
DICHLORODIFLUOROMETHANE		0.55	U		0.53	U		2.1	U		0.52	U	
DIISOPROPYL ETHER		0.47	U		0.45	U		1.8	U		0.44	U	
ETHYL TERT-BUTYL ETHER		0.14	UJ	C	0.14	UJ	C	0.55	UJ	C	0.14	UJ	C
ETHYLBENZENE		0.32	U		0.3	U		1.2	U		0.3	U	
HEXACHLOROBUTADIENE		0.4	U		0.38	U		1.5	U		0.37	U	
ISOPROPYLBENZENE		0.12	U		0.11	U		0.44	U		0.11	U	
M+P-XYLENES		0.18	U		0.17	U		0.68	U		0.17	U	
METHYL TERT-BUTYL ETHER		0.27	U		0.26	U		1	U		0.25	U	
METHYLENE CHLORIDE		0.77	U		0.74	U		2.9	U		0.72	U	
NAPHTHALENE		0.24	U		0.23	U		0.89	U		0.22	U	
N-BUTYLBENZENE		0.19	U		0.18	U		0.72	U		0.18	U	
N-PROPYLBENZENE		0.55	U		0.53	U		2.1	U		0.52	U	
O-XYLENE		0.15	U		0.15	U		0.58	U		0.14	U	
SEC-BUTYLBENZENE		0.14	U		0.14	U		0.55	U		0.14	U	
STYRENE		0.24	U		0.23	U		0.92	U		0.23	U	
TERT-AMYL METHYL ETHER		0.38	UJ	C	0.36	UJ	C	1.4	UJ	C	0.36	UJ	C
TERT-BUTYLBENZENE		0.31	U		0.29	U		1.2	U		0.29	U	
TERTIARY-BUTYL ALCOHOL		7.6	UJ	CE	7.3	UJ	CE	29	UJ	CE	7.1	UJ	CE
TETRACHLOROETHENE		0.24	U		0.23	U		0.92	U		0.23	U	
TOLUENE		0.091	U		0.087	U		0.34	U		0.085	U	
TOTAL XYLENES		0.29	U		0.28	U		1.1	U		0.27	U	
TRANS-1,2-DICHLOROETHENE		0.24	U		0.23	U		0.89	U		0.22	U	
TRANS-1,3-DICHLOROPROPENE		0.24	U		0.23	U		0.89	U		0.22	U	
TRICHLOROETHENE		0.35	U		0.34	U		1.3	U		0.33	U	

PROJ_NO: 07835	NSAMPLE	DR-TLDUP3-050916		
SDG: 240-64634-1	LAB_ID	240-64634-23		
FRACTION: OV	SAMP_DATE	5/9/2016		
MEDIA: SOIL	QC_TYPE	NM		
	UNITS	MG/KG		
	PCT_SOLIDS	38.1		
	DUP_OF	DR-TL18N-050916		
PARAMETER		RESULT	VQL	QLCD
CARBON DISULFIDE		0.72	U	
CARBON TETRACHLORIDE		0.23	U	
CHLOROBENZENE		0.17	U	
CHLORODIBROMOMETHANE		0.26	U	
CHLORODIFLUOROMETHANE		3.2	UJ	Q
CHLOROETHANE		0.66	U	
CHLOROFORM		0.47	U	
CHLOROMETHANE		0.62	U	
CIS-1,2-DICHLOROETHENE		0.49	U	
CIS-1,3-DICHLOROPROPENE		0.28	U	
DIBROMOMETHANE		0.65	U	
DICHLORODIFLUOROMETHANE		0.79	U	
DIISOPROPYL ETHER		0.67	U	
ETHYL TERT-BUTYL ETHER		0.21	UJ	C
ETHYLBENZENE		0.45	U	
HEXACHLOROBUTADIENE		0.57	U	
ISOPROPYLBENZENE		0.17	U	
M+P-XYLENES		0.26	U	
METHYL TERT-BUTYL ETHER		0.39	U	
METHYLENE CHLORIDE		1.1	U	
NAPHTHALENE		0.34	U	
N-BUTYLBENZENE		0.27	U	
N-PROPYLBENZENE		0.79	U	
O-XYLENE		0.22	U	
SEC-BUTYLBENZENE		0.21	U	
STYRENE		0.35	U	
TERT-AMYL METHYL ETHER		0.54	UJ	C
TERT-BUTYLBENZENE		0.44	U	
TERTIARY-BUTYL ALCOHOL		11	UJ	CE
TETRACHLOROETHENE		0.35	U	
TOLUENE		0.84	U	A
TOTAL XYLENES		0.41	U	
TRANS-1,2-DICHLOROETHENE		0.34	U	
TRANS-1,3-DICHLOROPROPENE		0.34	U	
TRICHLOROETHENE		0.5	U	

PROJ_NO: 07835	NSAMPLE	DR-TG4N-050916			DR-TG4S-050916			DR-TG5N-050916			DR-TG5S-050916		
SDG: 240-64634-1	LAB_ID	240-64634-2			240-64634-1			240-64634-3			240-64634-4		
FRACTION: OV	SAMP_DATE	5/9/2016			5/9/2016			5/9/2016			5/9/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	56.7			59.4			60.1			57.9		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.32	U		0.29	U		0.25	U		0.27	U	
VINYL ACETATE		0.94	U		0.87	U		0.74	U		0.79	U	
VINYL CHLORIDE		0.16	U		0.14	U		0.12	U		0.13	U	

PROJ_NO: 07835	NSAMPLE	DR-TG6N-050916			DR-TG6S-050916			DR-TL10N-050916			DR-TL10S-050916		
SDG: 240-64634-1	LAB_ID	240-64634-5			240-64634-6			240-64634-14			240-64634-13		
FRACTION: OV	SAMP_DATE	5/9/2016			5/9/2016			5/9/2016			5/9/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	66.1			64.1			52.7			52.4		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.23	U		0.29	U		0.28	U		0.34	U	
VINYL ACETATE		0.68	U		0.85	U		0.82	U		1	U	
VINYL CHLORIDE		0.11	U		0.14	U		0.14	U		0.17	U	

PROJ_NO: 07835	NSAMPLE	DR-TL11N-051016			DR-TL11S-051016			DR-TL12N-050916			DR-TL12S-050916		
SDG: 240-64634-1	LAB_ID	240-64678-3			240-64678-4			240-64634-17			240-64634-18		
FRACTION: OV	SAMP_DATE	5/10/2016			5/10/2016			5/9/2016			5/9/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	60.6			59.7			52.4			55.7		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.31	U		0.23	U		0.25	U		0.26	U	
VINYL ACETATE		0.92	U		0.68	U		0.74	U		0.77	U	
VINYL CHLORIDE		0.15	U		0.11	U		0.12	U		0.13	U	

PROJ_NO: 07835	NSAMPLE	DR-TL13N-051016			DR-TL13S-051016			DR-TL14N-051016			DR-TL14S-051016		
SDG: 240-64634-1	LAB_ID	240-64678-5			240-64678-6			240-64678-7			240-64678-8		
FRACTION: OV	SAMP_DATE	5/10/2016			5/10/2016			5/10/2016			5/10/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	62.5			59.2			57.3			58.9		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.28	U		0.28	U		0.29	U		0.23	U	
VINYL ACETATE		0.83	U		0.82	U		0.87	U		0.67	U	
VINYL CHLORIDE		0.14	U		0.14	U		0.14	U		0.11	U	

PROJ_NO: 07835	NSAMPLE	DR-TL15N-051016			DR-TL15S-051016			DR-TL16N-051016			DR-TL16S-051016		
SDG: 240-64634-1	LAB_ID	240-64678-9			240-64678-10			240-64678-11			240-64678-12		
FRACTION: OV	SAMP_DATE	5/10/2016			5/10/2016			5/10/2016			5/10/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	61.7			63.5			65.5			70.4		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.31	U		0.22	U		0.28	U		0.18	U	
VINYL ACETATE		0.9	U		0.66	U		0.83	U		0.52	U	
VINYL CHLORIDE		0.15	U		0.11	U		0.14	U		0.086	U	

PROJ_NO: 07835	NSAMPLE	DR-TL18N-050916			DR-TL18S-050916			DR-TL1N-050916			DR-TL1S-050916		
SDG: 240-64634-1	LAB_ID	240-64634-24			240-64634-25			240-64634-7			240-64634-8		
FRACTION: OV	SAMP_DATE	5/9/2016			5/9/2016			5/9/2016			5/9/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	40.8			62.4			42.6			44.5		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.43	U		0.25	U		1.7	U		2	U	
VINYL ACETATE		1.3	U		0.73	U		5	U		5.8	U	
VINYL CHLORIDE		0.21	U		0.12	U		0.82	U		0.96	U	

PROJ_NO: 07835	NSAMPLE	DR-TL2N-050916			DR-TL2S-050916			DR-TL3N-051016			DR-TL3S-051016		
SDG: 240-64634-1	LAB_ID	240-64634-21			240-64634-22			240-64678-1			240-64678-2		
FRACTION: OV	SAMP_DATE	5/9/2016			5/9/2016			5/10/2016			5/10/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	43.0			43.7			39.6			41.9		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		1.1	U		4	U		3	U		1.5	U	
VINYL ACETATE		3.2	U		12	U		8.8	U		4.4	U	
VINYL CHLORIDE		0.53	U		2	U		1.5	U		0.73	U	

PROJ_NO: 07835	NSAMPLE	DR-TL4N-050916			DR-TL4S-050916			DR-TL6N-050916			DR-TL6S-050916		
SDG: 240-64634-1	LAB_ID	240-64634-10			240-64634-11			240-64634-19			240-64634-20		
FRACTION: OV	SAMP_DATE	5/9/2016			5/9/2016			5/9/2016			5/9/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	51.6			56.0			61.9			61.9		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.34	U		0.29	U		0.23	U		0.27	U	
VINYL ACETATE		1	U		0.85	U		0.67	U		0.79	U	
VINYL CHLORIDE		0.17	U		0.14	U		0.11	U		0.13	U	

PROJ_NO: 07835	NSAMPLE	DR-TL9N-050916			DR-TL9S-050916			DR-TLDUP1-050916			DR-TLDUP2-050916		
SDG: 240-64634-1	LAB_ID	240-64634-15			240-64634-16			240-64634-9			240-64634-12		
FRACTION: OV	SAMP_DATE	5/9/2016			5/9/2016			5/9/2016			5/9/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	56.8			58.2			45.5			62.1		
	DUP_OF							DR-TL1S-050916			DR-TL4S-050916		
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.32	U		0.3	U		1.2	U		0.3	U	
VINYL ACETATE		0.93	U		0.89	U		3.5	U		0.88	U	
VINYL CHLORIDE		0.15	U		0.15	U		0.58	U		0.14	U	

PROJ_NO: 07835	NSAMPLE	DR-TLDUP3-050916		
SDG: 240-64634-1	LAB_ID	240-64634-23		
FRACTION: OV	SAMP_DATE	5/9/2016		
MEDIA: SOIL	QC_TYPE	NM		
	UNITS	MG/KG		
	PCT_SOLIDS	38.1		
	DUP_OF	DR-TL18N-050916		
PARAMETER		RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.45	U	
VINYL ACETATE		1.3	U	
VINYL CHLORIDE		0.22	U	

PROJ_NO: 07835	NSAMPLE	DR-TL12N-050916			DR-TL18N-050916			DR-TL1N-050916			DR-TL1S-050916		
SDG: 240-64634-1	LAB_ID	240-64634-17			240-64634-24			240-64634-7			240-64634-8		
FRACTION: TICOV	SAMP_DATE	5/9/2016			5/9/2016			5/9/2016			5/9/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	52.4			40.8			42.6			44.5		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
.ALPHA.-PINENE													
.BETA.-PINENE								610	NJ	Z1	700	NJ	Z1
1R-.ALPHA.-PINENE								1200	NJ	Z1	910	NJ	Z1
3-CARENE								550	NJ	Z1	470	NJ	Z1
ACETIC ACID, METHYL ESTER													
BENZALDEHYDE		2.5	NJ	Z1									
BICYCLO[3.1.1]HEPTANE, 6,6-DIMETHYL-2-ME													
CAMPHENE								46	NJ	Z1	48	NJ	Z1
CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHYLID								41	NJ	Z1	36	NJ	Z1
D-LIMONENE													
ETHYL ACETATE													
HEXANAL					4.9	NJ	Z1						
LIMONENE											37	NJ	Z1

PROJ_NO: 07835	NSAMPLE	DR-TL2N-050916			DR-TL2S-050916			DR-TL3N-051016			DR-TL3S-051016		
SDG: 240-64634-1	LAB_ID	240-64634-21			240-64634-22			240-64678-1			240-64678-2		
FRACTION: TICOV	SAMP_DATE	5/9/2016			5/9/2016			5/10/2016			5/10/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	43.0			43.7			39.6			41.9		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
.ALPHA.-PINENE											1800	NJ	Z1
.BETA.-PINENE		410	NJ	Z1	1400	NJ	Z1	770	NJ	Z1	650	NJ	Z1
1R-.ALPHA.-PINENE		1100	NJ	Z1	2400	NJ	Z1	1800	NJ	Z1			
3-CARENE													
ACETIC ACID, METHYL ESTER													
BENZALDEHYDE													
BICYCLO[3.1.1]HEPTANE, 6,6-DIMETHYL-2-ME													
CAMPHENE		43	NJ	Z1	120	NJ	Z1	88	NJ	Z1	75	NJ	Z1
CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHYLID											11	NJ	Z1
D-LIMONENE		24	NJ	Z1									
ETHYL ACETATE													
HEXANAL													
LIMONENE					79	NJ	Z1						

PROJ_NO: 07835	NSAMPLE	DR-TLDUP1-050916						DR-TLDUP3-050916					
SDG: 240-64634-1	LAB_ID	240-64634-9						240-64634-23					
FRACTION: TICOV	SAMP_DATE	5/9/2016						5/9/2016					
MEDIA: SOIL	QC_TYPE	NM						NM					
	UNITS	MG/KG						MG/KG					
	PCT_SOLIDS	45.5						38.1					
	DUP_OF				DR-TL1S-050916						DR-TL18N-050916		
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
.ALPHA.-PINENE													
.BETA.-PINENE													
1R-.ALPHA.-PINENE		990	NJ	Z1									
3-CARENE					300	NJ	Z1						
ACETIC ACID, METHYL ESTER								3.3	NJ	Z1			
BENZALDEHYDE													
BICYCLO[3.1.1]HEPTANE, 6,6-DIMETHYL-2-ME		550	NJ	Z1									
CAMPHENE					39	NJ	Z1						
CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHYLID		29	NJ	Z1									
D-LIMONENE					31	NJ	Z1						
ETHYL ACETATE											12	NJ	Z1
HEXANAL													
LIMONENE													

PROJ_NO: 07835	NSAMPLE	DR-TG4N-050916			DR-TG4S-050916			DR-TG5N-050916			DR-TG5S-050916		
SDG: 240-64634-1	LAB_ID	240-64634-2			240-64634-1			240-64634-3			240-64634-4		
FRACTION: M	SAMP_DATE	5/9/2016			5/9/2016			5/9/2016			5/9/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	56.7			59.4			60.1			57.9		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ANTIMONY		0.83	U		0.81	U		0.71	U		0.74	U	
ARSENIC		0.71	U		0.69	U		0.6	U		0.63	U	
BERYLLIUM		0.045	U		0.044	U		0.038	U		0.04	U	
CADMIUM		0.036	U		0.035	U		0.24	J	P	0.22	J	P
CHROMIUM		0.26	J	P	0.35	J	P	0.55	J	P	0.32	J	P
COPPER		1.9	J	P	1.5	J	P	3.6	J	P	3.7	J	P
LEAD		0.22	U	A	1.3	U	A	0.23	U	A	0.41	U	A
MERCURY		0.026	U		0.024	U		0.025	U		0.023	U	
NICKEL		0.39	J	P	0.32	J	P	1.9	J	P	1.4	J	P
SELENIUM		0.59	U		0.57	U		0.5	U		0.52	U	
SILVER		0.11	U		0.11	U		0.093	U		0.097	U	
THALLIUM		0.22	U		0.22	U		1.4	J	P	1.4	J	P
ZINC		3.6	J	P	2.4	J	P	45			55		

PROJ_NO: 07835	NSAMPLE	DR-TG6N-050916			DR-TG6S-050916			DR-TL10N-050916			DR-TL10S-050916		
SDG: 240-64634-1	LAB_ID	240-64634-5			240-64634-6			240-64634-14			240-64634-13		
FRACTION: M	SAMP_DATE	5/9/2016			5/9/2016			5/9/2016			5/9/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	66.1			64.1			52.7			52.4		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ANTIMONY		0.57	U		0.63	U		0.86	U		0.82	U	
ARSENIC		0.48	U		0.54	U		0.73	U		0.7	J	P
BERYLLIUM		0.031	U		0.034	U		0.047	U		0.044	U	
CADMIUM		0.36	J	P	0.48	J	P	1			0.72	J	P
CHROMIUM		0.34	J	P	0.26	J	P	0.52	J	P	1.6	J	P
COPPER		1.4	J	P	1.7	J	P	3.8	J	P	2.9	J	P
LEAD		0.15	U	A	0.21	U	A	0.6	U	A	0.69	U	A
MERCURY		0.02	U		0.023	U		0.026	U		0.026	U	
NICKEL		0.86	J	P	1	J	P	4.2	J	P	3.5	J	P
SELENIUM		0.4	U		0.45	U		0.61	U		0.58	U	
SILVER		0.074	U		0.083	U		0.11	U		0.11	U	
THALLIUM		1.5	J	P	1.7	J	P	0.23	U		0.22	U	
ZINC		2.3	J	P	2.5	J	P	79			55		

PROJ_NO: 07835	NSAMPLE	DR-TL11N-051016			DR-TL11S-051016			DR-TL12N-050916			DR-TL12S-050916		
SDG: 240-64634-1	LAB_ID	240-64678-3			240-64678-4			240-64634-17			240-64634-18		
FRACTION: M	SAMP_DATE	5/10/2016			5/10/2016			5/9/2016			5/9/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	60.6			59.7			52.4			55.7		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ANTIMONY		0.66	U		0.68	U		0.89	U		0.8	U	
ARSENIC		0.56	U		0.58	U		0.76	U		0.68	U	
BERYLLIUM		0.036	U		0.037	U		0.048	U		0.043	U	
CADMIUM		0.17	J	P	0.061	J	P	0.039	U		0.035	U	
CHROMIUM		0.19	J	P	0.26	J	P	0.55	U	A	0.44	U	A
COPPER		3.7			2.6	J	P	3.1	J	P	3.4	J	P
LEAD		0.26	J	P	0.28	J	P	2			0.78	J	P
MERCURY		0.023	U		0.023	U		0.025	U		0.025	U	
NICKEL		0.36	J	P	0.52	J	P	0.51	J	P	0.35	J	P
SELENIUM		0.82	J	P	0.64	J	P	0.63	U		0.57	U	
SILVER		0.087	U		0.089	U		0.12	U		0.1	U	
THALLIUM		0.18	U		0.18	U		0.24	U		0.22	U	
ZINC		9.2			8			6.8	J	P	5.7	J	P

PROJ_NO: 07835	NSAMPLE	DR-TL13N-051016			DR-TL13S-051016			DR-TL14N-051016			DR-TL14S-051016		
SDG: 240-64634-1	LAB_ID	240-64678-5			240-64678-6			240-64678-7			240-64678-8		
FRACTION: M	SAMP_DATE	5/10/2016			5/10/2016			5/10/2016			5/10/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	62.5			59.2			57.3			58.9		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ANTIMONY		0.66	U		0.74	U		0.76	U		0.58	U	
ARSENIC		0.56	U		0.64	U		0.64	U		0.49	U	
BERYLLIUM		0.036	U		0.04	U		0.041	U		0.031	U	
CADMIUM		0.25	J	P	0.22	J	P	1.4			1.3		
CHROMIUM		0.28	J	P	0.26	J	P	0.31	J	P	0.22	J	P
COPPER		2.2	J	P	2.6	J	P	2.3	J	P	2.3	J	P
LEAD		0.15	J	P	0.038	J	P	0.098	J	P	0.043	J	P
MERCURY		0.024	U		0.028	U		0.026	U		0.023	U	
NICKEL		0.75	J	P	0.87	J	P	1.5	J	P	1.7	J	P
SELENIUM		0.48	J	P	0.78	J	P	0.77	J	P	0.41	U	
SILVER		0.086	U		0.098	U		0.099	U		0.076	U	
THALLIUM		0.18	U		0.2	U		0.2	U		0.16	U	
ZINC		31			34			40			43		

PROJ_NO: 07835	NSAMPLE	DR-TL15N-051016			DR-TL15S-051016			DR-TL16N-051016			DR-TL16S-051016		
SDG: 240-64634-1	LAB_ID	240-64678-9			240-64678-10			240-64678-11			240-64678-12		
FRACTION: M	SAMP_DATE	5/10/2016			5/10/2016			5/10/2016			5/10/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	61.7			63.5			65.5			70.4		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ANTIMONY		0.69	U		0.58	U		0.71	U		0.66	U	
ARSENIC		0.59	U		0.49	U		0.61	U		0.57	U	
BERYLLIUM		0.038	U		0.045	J	P	0.039	U		0.036	U	
CADMIUM		0.22	J	P	0.17	J	P	0.11	J	P	0.063	J	P
CHROMIUM		0.3	J	P	0.24	J	P	0.22	J	P	0.2	J	P
COPPER		1.7	J	P	1.3	J	P	1.5	J	P	1.9	J	P
LEAD		0.032	U		0.045	J	P	0.25	J	P	0.062	J	P
MERCURY		0.023	U		0.021	U		0.02	U		0.022	U	
NICKEL		1.1	J	P	1.1	J	P	0.72	J	P	0.46	J	P
SELENIUM		0.64	J	P	0.41	U		0.5	U		0.47	U	
SILVER		0.091	U		0.076	U		0.093	U		0.087	U	
THALLIUM		0.19	U		0.16	U		0.19	U		0.18	U	
ZINC		3	J	P	1.9	J	P	2.6	J	P	2.2	J	P

PROJ_NO: 07835	NSAMPLE	DR-TL18N-050916			DR-TL18S-050916			DR-TL1N-050916			DR-TL1S-050916		
SDG: 240-64634-1	LAB_ID	240-64634-24			240-64634-25			240-64634-7			240-64634-8		
FRACTION: M	SAMP_DATE	5/9/2016			5/9/2016			5/9/2016			5/9/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	40.8			62.4			42.6			44.5		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ANTIMONY		0.85	U		0.58	U		1	U		0.74	U	
ARSENIC		0.73	U		0.5	J	P	0.88	U		0.64	U	
BERYLLIUM		0.046	U		0.031	U		0.056	U		0.04	U	
CADMIUM		0.39	J	P	0.19	J	P	0.47	J	P	0.14	J	P
CHROMIUM		0.5	U	A	1.5			1.2	J	P	1.6		
COPPER		4.2	J	P	4.7			5	J	P	4.4		
LEAD		0.2	J	P	0.25	J	P	0.31	U	A	0.34	U	A
MERCURY		0.037	U		0.026	U		0.037	U		0.03	U	
NICKEL		2.4	J	P	1.6	J	P	0.76	J	P	0.78	J	P
SELENIUM		0.87	U	A	0.41	U		0.73	U		0.53	U	
SILVER		0.11	U		0.076	U		0.14	U		0.098	U	
THALLIUM		0.23	U		0.16	U		0.28	U		0.2	U	
ZINC		8.4	J	P	7.6			66			52		

PROJ_NO: 07835	NSAMPLE	DR-TL2N-050916			DR-TL2S-050916			DR-TL3N-051016			DR-TL3S-051016		
SDG: 240-64634-1	LAB_ID	240-64634-21			240-64634-22			240-64678-1			240-64678-2		
FRACTION: M	SAMP_DATE	5/9/2016			5/9/2016			5/10/2016			5/10/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	43.0			43.7			39.6			41.9		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ANTIMONY		0.92	U		0.96	U		0.89	U		1.1	U	
ARSENIC		0.79	U		0.82	U		0.76	U		0.92	U	
BERYLLIUM		0.05	U		0.052	U		0.048	U		0.059	U	
CADMIUM		0.1	J	P	0.15	J	P	0.36	J	P	0.65	J	P
CHROMIUM		0.46	U	A	2.5			0.46	J	P	0.55	J	P
COPPER		4.4	J	P	4.3	J	P	2.9	J	P	3.7	J	P
LEAD		0.29	J	P	0.42	J	P	0.041	U		0.18	J	P
MERCURY		0.032	U		0.033	U		0.032	U		0.031	U	
NICKEL		1.2	J	P	1.8	J	P	0.23	J	P	0.4	J	P
SELENIUM		0.76	U	A	0.99	U	A	0.63	U		1.2	J	P
SILVER		0.12	U		0.13	U		0.12	U		0.14	U	
THALLIUM		0.25	U		0.26	U		0.24	U		0.29	U	
ZINC		87			74			31			61		

PROJ_NO: 07835	NSAMPLE	DR-TL4N-050916			DR-TL4S-050916			DR-TL6N-050916			DR-TL6S-050916		
SDG: 240-64634-1	LAB_ID	240-64634-10			240-64634-11			240-64634-19			240-64634-20		
FRACTION: M	SAMP_DATE	5/9/2016			5/9/2016			5/9/2016			5/9/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	51.6			56.0			61.9			61.9		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ANTIMONY		0.82	U		0.74	U		0.53	U		0.66	U	
ARSENIC		0.7	U		0.63	U		0.45	U		0.58	J	P
BERYLLIUM		0.045	U		0.04	U		0.029	U		0.036	U	
CADMIUM		0.036	U		0.032	J	P	0.023	U		0.029	U	
CHROMIUM		0.53	J	P	0.45	J	P	0.23	U	A	0.31	U	A
COPPER		3.3	J	P	2.6	J	P	1.7	J	P	2.1	J	P
LEAD		0.21	U	A	0.31	U	A	0.024	U		0.16	J	P
MERCURY		0.027	U		0.028	U		0.023	U		0.022	U	
NICKEL		0.69	J	P	0.4	J	P	0.52	J	P	0.62	J	P
SELENIUM		0.58	U		0.6	J	P	0.43	U	A	0.58	U	A
SILVER		0.11	U		0.097	U		0.069	U		0.086	U	
THALLIUM		0.22	U		0.2	U		0.14	U		0.18	U	
ZINC		5.4	J	P	8.1			2.2	J	P	2.9	J	P

PROJ_NO: 07835	NSAMPLE	DR-TL9N-050916			DR-TL9S-050916			DR-TLDUP1-050916			DR-TLDUP2-050916		
SDG: 240-64634-1	LAB_ID	240-64634-15			240-64634-16			240-64634-9			240-64634-12		
FRACTION: M	SAMP_DATE	5/9/2016			5/9/2016			5/9/2016			5/9/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	56.8			58.2			45.5			62.1		
	DUP_OF							DR-TL1S-050916			DR-TL4S-050916		
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ANTIMONY		0.8	U		0.69	U		1	U		0.63	U	
ARSENIC		0.69	U		0.59	U		0.85	U		0.54	U	
BERYLLIUM		0.044	U		0.038	U		0.054	U		0.034	U	
CADMIUM		0.069	J	P	0.09	J	P	0.13	J	P	0.028	U	
CHROMIUM		0.3	U	A	0.42	U	A	1.6	J	P	1.1	J	P
COPPER		3	J	P	2.8	J	P	3	J	P	2.9	J	P
LEAD		0.15	J	P	0.15	J	P	0.49	U	A	0.58	U	A
MERCURY		0.027	U		0.025	U		0.03	U		0.025	U	
NICKEL		0.4	J	P	0.26	J	P	0.74	J	P	0.57	J	P
SELENIUM		0.81	U	A	0.49	U		1.3	J	P	0.45	U	
SILVER		0.11	U		0.091	U		0.13	U		0.083	U	
THALLIUM		0.22	U		0.19	U		0.27	U		0.17	U	
ZINC		5.7	J	P	4.2	J	P	13			3.3	J	P

PROJ_NO: 07835	NSAMPLE	DR-TLDUP3-050916		
SDG: 240-64634-1	LAB_ID	240-64634-23		
FRACTION: M	SAMP_DATE	5/9/2016		
MEDIA: SOIL	QC_TYPE	NM		
	UNITS	MG/KG		
	PCT_SOLIDS	38.1		
	DUP_OF	DR-TL18N-050916		
PARAMETER		RESULT	VQL	QLCD
ANTIMONY		1.1	U	
ARSENIC		0.94	U	
BERYLLIUM		0.06	U	
CADMIUM		0.44	J	P
CHROMIUM		0.71	U	A
COPPER		7		
LEAD		0.41	J	P
MERCURY		0.043	U	
NICKEL		5.7	J	P
SELENIUM		0.78	U	
SILVER		0.14	U	
THALLIUM		0.3	U	
ZINC		14		

Appendix B

Results as Reported by the Laboratory

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TG4S-050916 | Lab Sample ID: 240-64634-1

Matrix: Solid | Lab File ID: UX83700.D

Analysis Method: 8260B | Date Collected: 05/09/2016 08:15

Sample wt/vol: 1.09(g) | Date Analyzed: 05/14/2016 06:50

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 40.6 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.41	U	2.1	0.41
71-55-6	1,1,1-Trichloroethane	0.23	U	2.1	0.23
79-34-5	1,1,2,2-Tetrachloroethane	0.21	U	2.1	0.21
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	2.1	0.35
75-34-3	1,1-Dichloroethane	0.29	U	2.1	0.29
75-35-4	1,1-Dichloroethene	0.25	U	2.1	0.25
563-58-6	1,1-Dichloropropene	0.32	U	2.1	0.32
87-61-6	1,2,3-Trichlorobenzene	0.33	U	2.1	0.33
96-18-4	1,2,3-Trichloropropane	0.87	U	2.1	0.87
526-73-8	1,2,3-Trimethylbenzene	0.11	U	2.1	0.11
120-82-1	1,2,4-Trichlorobenzene	0.25	U	2.1	0.25
95-63-6	1,2,4-Trimethylbenzene	0.11	U	2.1	0.11
96-12-8	1,2-Dibromo-3-Chloropropane	0.60	U	4.2	0.60
95-50-1	1,2-Dichlorobenzene	0.16	U	2.1	0.16
107-06-2	1,2-Dichloroethane	0.084	U	2.1	0.084
78-87-5	1,2-Dichloropropane	0.27	U	2.1	0.27
541-73-1	1,3-Dichlorobenzene	0.25	U	2.1	0.25
142-28-9	1,3-Dichloropropane	0.19	U	2.1	0.19
106-46-7	1,4-Dichlorobenzene	0.34	U	2.1	0.34
594-20-7	2,2-Dichloropropane	0.44	U	2.1	0.44
78-93-3	2-Butanone (MEK)	0.61	U	8.4	0.61
110-75-8	2-Chloroethyl vinyl ether	0.66	U	8.4	0.66
95-49-8	2-Chlorotoluene	0.34	U	2.1	0.34
591-78-6	2-Hexanone	0.71	U	8.4	0.71
106-43-4	4-Chlorotoluene	0.22	U	2.1	0.22
99-87-6	4-Isopropyltoluene	0.21	U	2.1	0.21
108-10-1	4-Methyl-2-pentanone (MIBK)	0.47	U	8.4	0.47
67-64-1	Acetone	2.1	J	8.4	1.9
71-43-2	Benzene	0.076	U	2.1	0.076
108-86-1	Bromobenzene	0.11	U	2.1	0.11
75-25-2	Bromoform	0.51	U	2.1	0.51
74-83-9	Bromomethane	0.43	U	2.1	0.43
75-15-0	Carbon disulfide	0.47	U	2.1	0.47
56-23-5	Carbon tetrachloride	0.15	U	2.1	0.15
108-90-7	Chlorobenzene	0.11	U	2.1	0.11
124-48-1	Chlorodibromomethane	0.17	U	2.1	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TG4S-050916 | Lab Sample ID: 240-64634-1

Matrix: Solid | Lab File ID: UX83700.D

Analysis Method: 8260B | Date Collected: 05/09/2016 08:15

Sample wt/vol: 1.09(g) | Date Analyzed: 05/14/2016 06:50

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 40.6 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.43	U	2.1	0.43
67-66-3	Chloroform	0.30	U	2.1	0.30
74-87-3	Chloromethane	0.40	U	2.1	0.40
156-59-2	cis-1,2-Dichloroethene	0.32	U	2.1	0.32
10061-01-5	cis-1,3-Dichloropropene	0.18	U	2.1	0.18
74-95-3	Dibromomethane	0.42	U	2.1	0.42
74-97-5	Bromochloromethane	0.59	U	2.1	0.59
75-71-8	Dichlorodifluoromethane	0.51	U	2.1	0.51
75-27-4	Bromodichloromethane	0.32	U	2.1	0.32
75-65-0	tert-Butyl alcohol	7.0	U *	84	7.0
100-41-4	Ethylbenzene	0.29	U	2.1	0.29
87-68-3	Hexachlorobutadiene	0.37	U	2.1	0.37
108-20-3	Diisopropyl ether	0.44	U	4.2	0.44
98-82-8	Isopropylbenzene	0.11	U	2.1	0.11
1634-04-4	Methyl tert-butyl ether	0.25	U	2.1	0.25
75-09-2	Methylene Chloride	0.71	U	2.1	0.71
179601-23-1	m-Xylene & p-Xylene	0.17	U	2.1	0.17
91-20-3	Naphthalene	0.22	U	2.1	0.22
104-51-8	n-Butylbenzene	0.18	U	2.1	0.18
103-65-1	N-Propylbenzene	0.51	U	2.1	0.51
95-47-6	o-Xylene	0.14	U	2.1	0.14
135-98-8	sec-Butylbenzene	0.13	U	2.1	0.13
100-42-5	Styrene	0.23	U	2.1	0.23
994-05-8	Tert-amyl methyl ether	0.35	U	2.1	0.35
637-92-3	Ethyl tert-butyl ether	0.13	U	2.1	0.13
127-18-4	Tetrachloroethene	0.23	U	2.1	0.23
108-88-3	Toluene	0.084	U	2.1	0.084
156-60-5	trans-1,2-Dichloroethene	0.22	U	2.1	0.22
10061-02-6	trans-1,3-Dichloropropene	0.22	U	2.1	0.22
79-01-6	Trichloroethene	0.33	U	2.1	0.33
75-69-4	Trichlorofluoromethane	0.29	U	2.1	0.29
108-05-4	Vinyl acetate	0.87	U	4.2	0.87
75-01-4	Vinyl chloride	0.14	U	2.1	0.14
1330-20-7	Xylenes, Total	0.27	U	4.2	0.27
98-06-6	tert-Butylbenzene	0.29	U	2.1	0.29
106-93-4	1,2-Dibromoethane	0.27	U	2.1	0.27

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TG4S-050916 Lab Sample ID: 240-64634-1

Matrix: Solid Lab File ID: UX83700.D

Analysis Method: 8260B Date Collected: 05/09/2016 08:15

Sample wt/vol: 1.09(g) Date Analyzed: 05/14/2016 06:50

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 40.6 Level: (low/med) Medium

Analysis Batch No.: 230314 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	75		33-134
1868-53-7	Dibromofluoromethane (Surr)	62		30-122
460-00-4	4-Bromofluorobenzene (Surr)	66		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	74		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TG4S-050916 | Lab Sample ID: 240-64634-1

Matrix: Solid | Lab File ID: UX83700.D

Analysis Method: 8260B | Date Collected: 05/09/2016 08:15

Sample wt/vol: 1.09(g) | Date Analyzed: 05/14/2016 06:50

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 40.6 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TG4S-050916 | Lab Sample ID: 240-64634-1

Matrix: Solid | Lab File ID: UX83700.D

Analysis Method: 8260B | Date Collected: 05/09/2016 08:15

Sample wt/vol: 1.09(g) | Date Analyzed: 05/14/2016 06:50

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 40.6 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.60	2.1	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TG4N-050916 | Lab Sample ID: 240-64634-2

Matrix: Solid | Lab File ID: UX83701.D

Analysis Method: 8260B | Date Collected: 05/09/2016 08:00

Sample wt/vol: 1.05(g) | Date Analyzed: 05/14/2016 07:11

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 43.3 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.45	U	2.3	0.45
71-55-6	1,1,1-Trichloroethane	0.25	U	2.3	0.25
79-34-5	1,1,2,2-Tetrachloroethane	0.23	U	2.3	0.23
76-13-1	1,1,2-Trichlorotrifluoroethane	0.38	U	2.3	0.38
75-34-3	1,1-Dichloroethane	0.32	U	2.3	0.32
75-35-4	1,1-Dichloroethene	0.27	U	2.3	0.27
563-58-6	1,1-Dichloropropene	0.35	U	2.3	0.35
87-61-6	1,2,3-Trichlorobenzene	0.36	U	2.3	0.36
96-18-4	1,2,3-Trichloropropane	0.94	U	2.3	0.94
526-73-8	1,2,3-Trimethylbenzene	0.12	U	2.3	0.12
120-82-1	1,2,4-Trichlorobenzene	0.27	U	2.3	0.27
95-63-6	1,2,4-Trimethylbenzene	0.12	U	2.3	0.12
96-12-8	1,2-Dibromo-3-Chloropropane	0.65	U	4.6	0.65
95-50-1	1,2-Dichlorobenzene	0.17	U	2.3	0.17
107-06-2	1,2-Dichloroethane	0.092	U	2.3	0.092
78-87-5	1,2-Dichloropropane	0.29	U	2.3	0.29
541-73-1	1,3-Dichlorobenzene	0.27	U	2.3	0.27
142-28-9	1,3-Dichloropropane	0.21	U	2.3	0.21
106-46-7	1,4-Dichlorobenzene	0.38	U	2.3	0.38
594-20-7	2,2-Dichloropropane	0.48	U	2.3	0.48
78-93-3	2-Butanone (MEK)	0.67	U	9.2	0.67
110-75-8	2-Chloroethyl vinyl ether	0.71	U	9.2	0.71
95-49-8	2-Chlorotoluene	0.38	U	2.3	0.38
591-78-6	2-Hexanone	0.77	U	9.2	0.77
106-43-4	4-Chlorotoluene	0.24	U	2.3	0.24
99-87-6	4-Isopropyltoluene	0.23	U	2.3	0.23
108-10-1	4-Methyl-2-pentanone (MIBK)	0.51	U	9.2	0.51
67-64-1	Acetone	2.2	J	9.2	2.1
71-43-2	Benzene	0.082	U	2.3	0.082
108-86-1	Bromobenzene	0.12	U	2.3	0.12
75-25-2	Bromoform	0.56	U	2.3	0.56
74-83-9	Bromomethane	0.47	U	2.3	0.47
75-15-0	Carbon disulfide	0.51	U	2.3	0.51
56-23-5	Carbon tetrachloride	0.16	U	2.3	0.16
108-90-7	Chlorobenzene	0.12	U	2.3	0.12
124-48-1	Chlorodibromomethane	0.18	U	2.3	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TG4N-050916 | Lab Sample ID: 240-64634-2

Matrix: Solid | Lab File ID: UX83701.D

Analysis Method: 8260B | Date Collected: 05/09/2016 08:00

Sample wt/vol: 1.05(g) | Date Analyzed: 05/14/2016 07:11

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 43.3 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.47	U	2.3	0.47
67-66-3	Chloroform	0.33	U	2.3	0.33
74-87-3	Chloromethane	0.44	U	2.3	0.44
156-59-2	cis-1,2-Dichloroethene	0.35	U	2.3	0.35
10061-01-5	cis-1,3-Dichloropropene	0.20	U	2.3	0.20
74-95-3	Dibromomethane	0.46	U	2.3	0.46
74-97-5	Bromochloromethane	0.64	U	2.3	0.64
75-71-8	Dichlorodifluoromethane	0.56	U	2.3	0.56
75-27-4	Bromodichloromethane	0.35	U	2.3	0.35
75-65-0	tert-Butyl alcohol	7.7	U *	92	7.7
100-41-4	Ethylbenzene	0.32	U	2.3	0.32
87-68-3	Hexachlorobutadiene	0.40	U	2.3	0.40
108-20-3	Diisopropyl ether	0.48	U	4.6	0.48
98-82-8	Isopropylbenzene	0.12	U	2.3	0.12
1634-04-4	Methyl tert-butyl ether	0.27	U	2.3	0.27
75-09-2	Methylene Chloride	0.78	U	2.3	0.78
179601-23-1	m-Xylene & p-Xylene	0.18	U	2.3	0.18
91-20-3	Naphthalene	0.24	U	2.3	0.24
104-51-8	n-Butylbenzene	0.19	U	2.3	0.19
103-65-1	N-Propylbenzene	0.56	U	2.3	0.56
95-47-6	o-Xylene	0.16	U	2.3	0.16
135-98-8	sec-Butylbenzene	0.15	U	2.3	0.15
100-42-5	Styrene	0.25	U	2.3	0.25
994-05-8	Tert-amyl methyl ether	0.38	U	2.3	0.38
637-92-3	Ethyl tert-butyl ether	0.15	U	2.3	0.15
127-18-4	Tetrachloroethene	0.25	U	2.3	0.25
108-88-3	Toluene	0.092	U	2.3	0.092
156-60-5	trans-1,2-Dichloroethene	0.24	U	2.3	0.24
10061-02-6	trans-1,3-Dichloropropene	0.24	U	2.3	0.24
79-01-6	Trichloroethene	0.36	U	2.3	0.36
75-69-4	Trichlorofluoromethane	0.32	U	2.3	0.32
108-05-4	Vinyl acetate	0.94	U	4.6	0.94
75-01-4	Vinyl chloride	0.16	U	2.3	0.16
1330-20-7	Xylenes, Total	0.29	U	4.6	0.29
98-06-6	tert-Butylbenzene	0.31	U	2.3	0.31
106-93-4	1,2-Dibromoethane	0.29	U	2.3	0.29

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TG4N-050916 Lab Sample ID: 240-64634-2

Matrix: Solid Lab File ID: UX83701.D

Analysis Method: 8260B Date Collected: 05/09/2016 08:00

Sample wt/vol: 1.05(g) Date Analyzed: 05/14/2016 07:11

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 43.3 Level: (low/med) Medium

Analysis Batch No.: 230314 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	74		33-134
1868-53-7	Dibromofluoromethane (Surr)	63		30-122
460-00-4	4-Bromofluorobenzene (Surr)	66		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	73		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TG4N-050916 | Lab Sample ID: 240-64634-2

Matrix: Solid | Lab File ID: UX83701.D

Analysis Method: 8260B | Date Collected: 05/09/2016 08:00

Sample wt/vol: 1.05(g) | Date Analyzed: 05/14/2016 07:11

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 43.3 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TG4N-050916 | Lab Sample ID: 240-64634-2

Matrix: Solid | Lab File ID: UX83701.D

Analysis Method: 8260B | Date Collected: 05/09/2016 08:00

Sample wt/vol: 1.05(g) | Date Analyzed: 05/14/2016 07:11

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 43.3 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.60	2.3	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TG5N-050916 | Lab Sample ID: 240-64634-3

Matrix: Solid | Lab File ID: UX83702.D

Analysis Method: 8260B | Date Collected: 05/09/2016 08:45

Sample wt/vol: 1.28(g) | Date Analyzed: 05/14/2016 07:32

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 39.9 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.35	U	1.8	0.35
71-55-6	1,1,1-Trichloroethane	0.19	U	1.8	0.19
79-34-5	1,1,2,2-Tetrachloroethane	0.18	U	1.8	0.18
76-13-1	1,1,2-Trichlorotrifluoroethane	0.30	U	1.8	0.30
75-34-3	1,1-Dichloroethane	0.25	U	1.8	0.25
75-35-4	1,1-Dichloroethene	0.21	U	1.8	0.21
563-58-6	1,1-Dichloropropene	0.27	U	1.8	0.27
87-61-6	1,2,3-Trichlorobenzene	0.28	U	1.8	0.28
96-18-4	1,2,3-Trichloropropane	0.74	U	1.8	0.74
526-73-8	1,2,3-Trimethylbenzene	0.093	U	1.8	0.093
120-82-1	1,2,4-Trichlorobenzene	0.21	U	1.8	0.21
95-63-6	1,2,4-Trimethylbenzene	0.093	U	1.8	0.093
96-12-8	1,2-Dibromo-3-Chloropropane	0.51	U	3.6	0.51
95-50-1	1,2-Dichlorobenzene	0.14	U	1.8	0.14
107-06-2	1,2-Dichloroethane	0.072	U	1.8	0.072
78-87-5	1,2-Dichloropropane	0.23	U	1.8	0.23
541-73-1	1,3-Dichlorobenzene	0.21	U	1.8	0.21
142-28-9	1,3-Dichloropropane	0.16	U	1.8	0.16
106-46-7	1,4-Dichlorobenzene	0.29	U	1.8	0.29
594-20-7	2,2-Dichloropropane	0.37	U	1.8	0.37
78-93-3	2-Butanone (MEK)	0.52	U	7.2	0.52
110-75-8	2-Chloroethyl vinyl ether	0.56	U	7.2	0.56
95-49-8	2-Chlorotoluene	0.29	U	1.8	0.29
591-78-6	2-Hexanone	0.60	U	7.2	0.60
106-43-4	4-Chlorotoluene	0.19	U	1.8	0.19
99-87-6	4-Isopropyltoluene	0.18	U	1.8	0.18
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	U	7.2	0.40
67-64-1	Acetone	1.7	J	7.2	1.6
71-43-2	Benzene	0.064	U	1.8	0.064
108-86-1	Bromobenzene	0.093	U	1.8	0.093
75-25-2	Bromoform	0.44	U	1.8	0.44
74-83-9	Bromomethane	0.37	U	1.8	0.37
75-15-0	Carbon disulfide	0.40	U	1.8	0.40
56-23-5	Carbon tetrachloride	0.13	U	1.8	0.13
108-90-7	Chlorobenzene	0.093	U	1.8	0.093
124-48-1	Chlorodibromomethane	0.14	U	1.8	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TG5N-050916 | Lab Sample ID: 240-64634-3

Matrix: Solid | Lab File ID: UX83702.D

Analysis Method: 8260B | Date Collected: 05/09/2016 08:45

Sample wt/vol: 1.28(g) | Date Analyzed: 05/14/2016 07:32

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 39.9 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.37	U	1.8	0.37
67-66-3	Chloroform	0.26	U	1.8	0.26
74-87-3	Chloromethane	0.34	U	1.8	0.34
156-59-2	cis-1,2-Dichloroethene	0.27	U	1.8	0.27
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.8	0.16
74-95-3	Dibromomethane	0.36	U	1.8	0.36
74-97-5	Bromochloromethane	0.50	U	1.8	0.50
75-71-8	Dichlorodifluoromethane	0.44	U	1.8	0.44
75-27-4	Bromodichloromethane	0.27	U	1.8	0.27
75-65-0	tert-Butyl alcohol	6.0	U *	72	6.0
100-41-4	Ethylbenzene	0.25	U	1.8	0.25
87-68-3	Hexachlorobutadiene	0.32	U	1.8	0.32
108-20-3	Diisopropyl ether	0.37	U	3.6	0.37
98-82-8	Isopropylbenzene	0.093	U	1.8	0.093
1634-04-4	Methyl tert-butyl ether	0.21	U	1.8	0.21
75-09-2	Methylene Chloride	0.61	U	1.8	0.61
179601-23-1	m-Xylene & p-Xylene	0.14	U	1.8	0.14
91-20-3	Naphthalene	0.19	U	1.8	0.19
104-51-8	n-Butylbenzene	0.15	U	1.8	0.15
103-65-1	N-Propylbenzene	0.44	U	1.8	0.44
95-47-6	o-Xylene	0.12	U	1.8	0.12
135-98-8	sec-Butylbenzene	0.11	U	1.8	0.11
100-42-5	Styrene	0.19	U	1.8	0.19
994-05-8	Tert-amyl methyl ether	0.30	U	1.8	0.30
637-92-3	Ethyl tert-butyl ether	0.11	U	1.8	0.11
127-18-4	Tetrachloroethene	0.19	U	1.8	0.19
108-88-3	Toluene	0.072	U	1.8	0.072
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.8	0.19
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.8	0.19
79-01-6	Trichloroethene	0.28	U	1.8	0.28
75-69-4	Trichlorofluoromethane	0.25	U	1.8	0.25
108-05-4	Vinyl acetate	0.74	U	3.6	0.74
75-01-4	Vinyl chloride	0.12	U	1.8	0.12
1330-20-7	Xylenes, Total	0.23	U	3.6	0.23
98-06-6	tert-Butylbenzene	0.24	U	1.8	0.24
106-93-4	1,2-Dibromoethane	0.23	U	1.8	0.23

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TG5N-050916 Lab Sample ID: 240-64634-3

Matrix: Solid Lab File ID: UX83702.D

Analysis Method: 8260B Date Collected: 05/09/2016 08:45

Sample wt/vol: 1.28(g) Date Analyzed: 05/14/2016 07:32

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 39.9 Level: (low/med) Medium

Analysis Batch No.: 230314 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	72		33-134
1868-53-7	Dibromofluoromethane (Surr)	57		30-122
460-00-4	4-Bromofluorobenzene (Surr)	64		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	70		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TG5N-050916 | Lab Sample ID: 240-64634-3

Matrix: Solid | Lab File ID: UX83702.D

Analysis Method: 8260B | Date Collected: 05/09/2016 08:45

Sample wt/vol: 1.28(g) | Date Analyzed: 05/14/2016 07:32

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 39.9 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TG5N-050916 | Lab Sample ID: 240-64634-3

Matrix: Solid | Lab File ID: UX83702.D

Analysis Method: 8260B | Date Collected: 05/09/2016 08:45

Sample wt/vol: 1.28(g) | Date Analyzed: 05/14/2016 07:32

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 39.9 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.60	1.8	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TG5S-050916 | Lab Sample ID: 240-64634-4

Matrix: Solid | Lab File ID: UX83703.D

Analysis Method: 8260B | Date Collected: 05/09/2016 09:00

Sample wt/vol: 1.25(g) | Date Analyzed: 05/14/2016 07:53

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 42.1 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.37	U	1.9	0.37
71-55-6	1,1,1-Trichloroethane	0.21	U	1.9	0.21
79-34-5	1,1,2,2-Tetrachloroethane	0.19	U	1.9	0.19
76-13-1	1,1,2-Trichlorotrifluoroethane	0.32	U	1.9	0.32
75-34-3	1,1-Dichloroethane	0.27	U	1.9	0.27
75-35-4	1,1-Dichloroethene	0.23	U	1.9	0.23
563-58-6	1,1-Dichloropropene	0.29	U	1.9	0.29
87-61-6	1,2,3-Trichlorobenzene	0.30	U	1.9	0.30
96-18-4	1,2,3-Trichloropropane	0.79	U	1.9	0.79
526-73-8	1,2,3-Trimethylbenzene	0.099	U	1.9	0.099
120-82-1	1,2,4-Trichlorobenzene	0.23	U	1.9	0.23
95-63-6	1,2,4-Trimethylbenzene	0.099	U	1.9	0.099
96-12-8	1,2-Dibromo-3-Chloropropane	0.54	U	3.8	0.54
95-50-1	1,2-Dichlorobenzene	0.15	U	1.9	0.15
107-06-2	1,2-Dichloroethane	0.076	U	1.9	0.076
78-87-5	1,2-Dichloropropane	0.24	U	1.9	0.24
541-73-1	1,3-Dichlorobenzene	0.23	U	1.9	0.23
142-28-9	1,3-Dichloropropane	0.18	U	1.9	0.18
106-46-7	1,4-Dichlorobenzene	0.31	U	1.9	0.31
594-20-7	2,2-Dichloropropane	0.40	U	1.9	0.40
78-93-3	2-Butanone (MEK)	0.56	U	7.6	0.56
110-75-8	2-Chloroethyl vinyl ether	0.60	U	7.6	0.60
95-49-8	2-Chlorotoluene	0.31	U	1.9	0.31
591-78-6	2-Hexanone	0.64	U	7.6	0.64
106-43-4	4-Chlorotoluene	0.20	U	1.9	0.20
99-87-6	4-Isopropyltoluene	0.19	U	1.9	0.19
108-10-1	4-Methyl-2-pentanone (MIBK)	0.43	U	7.6	0.43
67-64-1	Acetone	1.8	J	7.6	1.7
71-43-2	Benzene	0.069	U	1.9	0.069
108-86-1	Bromobenzene	0.099	U	1.9	0.099
75-25-2	Bromoform	0.47	U	1.9	0.47
74-83-9	Bromomethane	0.39	U	1.9	0.39
75-15-0	Carbon disulfide	0.43	U	1.9	0.43
56-23-5	Carbon tetrachloride	0.14	U	1.9	0.14
108-90-7	Chlorobenzene	0.099	U	1.9	0.099
124-48-1	Chlorodibromomethane	0.15	U	1.9	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TG5S-050916 | Lab Sample ID: 240-64634-4

Matrix: Solid | Lab File ID: UX83703.D

Analysis Method: 8260B | Date Collected: 05/09/2016 09:00

Sample wt/vol: 1.25(g) | Date Analyzed: 05/14/2016 07:53

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 42.1 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.39	U	1.9	0.39
67-66-3	Chloroform	0.27	U	1.9	0.27
74-87-3	Chloromethane	0.37	U	1.9	0.37
156-59-2	cis-1,2-Dichloroethene	0.29	U	1.9	0.29
10061-01-5	cis-1,3-Dichloropropene	0.17	U	1.9	0.17
74-95-3	Dibromomethane	0.38	U	1.9	0.38
74-97-5	Bromochloromethane	0.53	U	1.9	0.53
75-71-8	Dichlorodifluoromethane	0.47	U	1.9	0.47
75-27-4	Bromodichloromethane	0.29	U	1.9	0.29
75-65-0	tert-Butyl alcohol	6.4	U *	76	6.4
100-41-4	Ethylbenzene	0.27	U	1.9	0.27
87-68-3	Hexachlorobutadiene	0.34	U	1.9	0.34
108-20-3	Diisopropyl ether	0.40	U	3.8	0.40
98-82-8	Isopropylbenzene	0.099	U	1.9	0.099
1634-04-4	Methyl tert-butyl ether	0.23	U	1.9	0.23
75-09-2	Methylene Chloride	0.65	U	1.9	0.65
179601-23-1	m-Xylene & p-Xylene	0.15	U	1.9	0.15
91-20-3	Naphthalene	0.20	U	1.9	0.20
104-51-8	n-Butylbenzene	0.16	U	1.9	0.16
103-65-1	N-Propylbenzene	0.47	U	1.9	0.47
95-47-6	o-Xylene	0.13	U	1.9	0.13
135-98-8	sec-Butylbenzene	0.12	U	1.9	0.12
100-42-5	Styrene	0.21	U	1.9	0.21
994-05-8	Tert-amyl methyl ether	0.32	U	1.9	0.32
637-92-3	Ethyl tert-butyl ether	0.12	U	1.9	0.12
127-18-4	Tetrachloroethene	0.21	U	1.9	0.21
108-88-3	Toluene	0.076	U	1.9	0.076
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.9	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	1.9	0.20
79-01-6	Trichloroethene	0.30	U	1.9	0.30
75-69-4	Trichlorofluoromethane	0.27	U	1.9	0.27
108-05-4	Vinyl acetate	0.79	U	3.8	0.79
75-01-4	Vinyl chloride	0.13	U	1.9	0.13
1330-20-7	Xylenes, Total	0.24	U	3.8	0.24
98-06-6	tert-Butylbenzene	0.26	U	1.9	0.26
106-93-4	1,2-Dibromoethane	0.24	U	1.9	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TG5S-050916 Lab Sample ID: 240-64634-4

Matrix: Solid Lab File ID: UX83703.D

Analysis Method: 8260B Date Collected: 05/09/2016 09:00

Sample wt/vol: 1.25(g) Date Analyzed: 05/14/2016 07:53

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 42.1 Level: (low/med) Medium

Analysis Batch No.: 230314 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	72		33-134
1868-53-7	Dibromofluoromethane (Surr)	60		30-122
460-00-4	4-Bromofluorobenzene (Surr)	64		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	74		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TG5S-050916 | Lab Sample ID: 240-64634-4

Matrix: Solid | Lab File ID: UX83703.D

Analysis Method: 8260B | Date Collected: 05/09/2016 09:00

Sample wt/vol: 1.25(g) | Date Analyzed: 05/14/2016 07:53

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 42.1 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TG5S-050916 | Lab Sample ID: 240-64634-4

Matrix: Solid | Lab File ID: UX83703.D

Analysis Method: 8260B | Date Collected: 05/09/2016 09:00

Sample wt/vol: 1.25(g) | Date Analyzed: 05/14/2016 07:53

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 42.1 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.60	1.9	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TG6N-050916 | Lab Sample ID: 240-64634-5

Matrix: Solid | Lab File ID: UX83704.D

Analysis Method: 8260B | Date Collected: 05/09/2016 09:20

Sample wt/vol: 1.24(g) | Date Analyzed: 05/14/2016 08:15

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 33.9 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.32	U	1.7	0.32
71-55-6	1,1,1-Trichloroethane	0.18	U	1.7	0.18
79-34-5	1,1,2,2-Tetrachloroethane	0.17	U	1.7	0.17
76-13-1	1,1,2-Trichlorotrifluoroethane	0.28	U	1.7	0.28
75-34-3	1,1-Dichloroethane	0.23	U	1.7	0.23
75-35-4	1,1-Dichloroethene	0.20	U	1.7	0.20
563-58-6	1,1-Dichloropropene	0.25	U	1.7	0.25
87-61-6	1,2,3-Trichlorobenzene	0.26	U	1.7	0.26
96-18-4	1,2,3-Trichloropropane	0.68	U	1.7	0.68
526-73-8	1,2,3-Trimethylbenzene	0.086	U	1.7	0.086
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1.7	0.20
95-63-6	1,2,4-Trimethylbenzene	0.086	U	1.7	0.086
96-12-8	1,2-Dibromo-3-Chloropropane	0.47	U	3.3	0.47
95-50-1	1,2-Dichlorobenzene	0.13	U	1.7	0.13
107-06-2	1,2-Dichloroethane	0.066	U	1.7	0.066
78-87-5	1,2-Dichloropropane	0.21	U	1.7	0.21
541-73-1	1,3-Dichlorobenzene	0.20	U	1.7	0.20
142-28-9	1,3-Dichloropropane	0.15	U	1.7	0.15
106-46-7	1,4-Dichlorobenzene	0.27	U	1.7	0.27
594-20-7	2,2-Dichloropropane	0.34	U	1.7	0.34
78-93-3	2-Butanone (MEK)	0.48	U	6.6	0.48
110-75-8	2-Chloroethyl vinyl ether	0.52	U	6.6	0.52
95-49-8	2-Chlorotoluene	0.27	U	1.7	0.27
591-78-6	2-Hexanone	0.56	U	6.6	0.56
106-43-4	4-Chlorotoluene	0.17	U	1.7	0.17
99-87-6	4-Isopropyltoluene	0.17	U	1.7	0.17
108-10-1	4-Methyl-2-pentanone (MIBK)	0.37	U	6.6	0.37
67-64-1	Acetone	1.5	J	6.6	1.5
71-43-2	Benzene	0.060	U	1.7	0.060
108-86-1	Bromobenzene	0.086	U	1.7	0.086
75-25-2	Bromoform	0.40	U	1.7	0.40
74-83-9	Bromomethane	0.34	U	1.7	0.34
75-15-0	Carbon disulfide	0.37	U	1.7	0.37
56-23-5	Carbon tetrachloride	0.12	U	1.7	0.12
108-90-7	Chlorobenzene	0.086	U	1.7	0.086
124-48-1	Chlorodibromomethane	0.13	U	1.7	0.13

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TG6N-050916 | Lab Sample ID: 240-64634-5

Matrix: Solid | Lab File ID: UX83704.D

Analysis Method: 8260B | Date Collected: 05/09/2016 09:20

Sample wt/vol: 1.24(g) | Date Analyzed: 05/14/2016 08:15

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 33.9 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.34	U	1.7	0.34
67-66-3	Chloroform	0.24	U	1.7	0.24
74-87-3	Chloromethane	0.32	U	1.7	0.32
156-59-2	cis-1,2-Dichloroethene	0.25	U	1.7	0.25
10061-01-5	cis-1,3-Dichloropropene	0.15	U	1.7	0.15
74-95-3	Dibromomethane	0.33	U	1.7	0.33
74-97-5	Bromochloromethane	0.46	U	1.7	0.46
75-71-8	Dichlorodifluoromethane	0.40	U	1.7	0.40
75-27-4	Bromodichloromethane	0.25	U	1.7	0.25
75-65-0	tert-Butyl alcohol	5.5	U *	66	5.5
100-41-4	Ethylbenzene	0.23	U	1.7	0.23
87-68-3	Hexachlorobutadiene	0.29	U	1.7	0.29
108-20-3	Diisopropyl ether	0.34	U	3.3	0.34
98-82-8	Isopropylbenzene	0.086	U	1.7	0.086
1634-04-4	Methyl tert-butyl ether	0.20	U	1.7	0.20
75-09-2	Methylene Chloride	0.56	U	1.7	0.56
179601-23-1	m-Xylene & p-Xylene	0.13	U	1.7	0.13
91-20-3	Naphthalene	0.17	U	1.7	0.17
104-51-8	n-Butylbenzene	0.14	U	1.7	0.14
103-65-1	N-Propylbenzene	0.40	U	1.7	0.40
95-47-6	o-Xylene	0.11	U	1.7	0.11
135-98-8	sec-Butylbenzene	0.11	U	1.7	0.11
100-42-5	Styrene	0.18	U	1.7	0.18
994-05-8	Tert-amyl methyl ether	0.28	U	1.7	0.28
637-92-3	Ethyl tert-butyl ether	0.11	U	1.7	0.11
127-18-4	Tetrachloroethene	0.18	U	1.7	0.18
108-88-3	Toluene	0.066	U	1.7	0.066
156-60-5	trans-1,2-Dichloroethene	0.17	U	1.7	0.17
10061-02-6	trans-1,3-Dichloropropene	0.17	U	1.7	0.17
79-01-6	Trichloroethene	0.26	U	1.7	0.26
75-69-4	Trichlorofluoromethane	0.23	U	1.7	0.23
108-05-4	Vinyl acetate	0.68	U	3.3	0.68
75-01-4	Vinyl chloride	0.11	U	1.7	0.11
1330-20-7	Xylenes, Total	0.21	U	3.3	0.21
98-06-6	tert-Butylbenzene	0.22	U	1.7	0.22
106-93-4	1,2-Dibromoethane	0.21	U	1.7	0.21

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TG6N-050916 Lab Sample ID: 240-64634-5

Matrix: Solid Lab File ID: UX83704.D

Analysis Method: 8260B Date Collected: 05/09/2016 09:20

Sample wt/vol: 1.24(g) Date Analyzed: 05/14/2016 08:15

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 33.9 Level: (low/med) Medium

Analysis Batch No.: 230314 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	75		33-134
1868-53-7	Dibromofluoromethane (Surr)	62		30-122
460-00-4	4-Bromofluorobenzene (Surr)	64		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	72		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TG6N-050916 | Lab Sample ID: 240-64634-5

Matrix: Solid | Lab File ID: UX83704.D

Analysis Method: 8260B | Date Collected: 05/09/2016 09:20

Sample wt/vol: 1.24(g) | Date Analyzed: 05/14/2016 08:15

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 33.9 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TG6N-050916 | Lab Sample ID: 240-64634-5

Matrix: Solid | Lab File ID: UX83704.D

Analysis Method: 8260B | Date Collected: 05/09/2016 09:20

Sample wt/vol: 1.24(g) | Date Analyzed: 05/14/2016 08:15

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 33.9 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.60	1.7	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TG6S-050916 | Lab Sample ID: 240-64634-6

Matrix: Solid | Lab File ID: UX83705.D

Analysis Method: 8260B | Date Collected: 05/09/2016 09:40

Sample wt/vol: 1.01(g) | Date Analyzed: 05/14/2016 08:36

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 35.9 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.41	U	2.1	0.41
71-55-6	1,1,1-Trichloroethane	0.22	U	2.1	0.22
79-34-5	1,1,2,2-Tetrachloroethane	0.21	U	2.1	0.21
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	2.1	0.35
75-34-3	1,1-Dichloroethane	0.29	U	2.1	0.29
75-35-4	1,1-Dichloroethene	0.25	U	2.1	0.25
563-58-6	1,1-Dichloropropene	0.31	U	2.1	0.31
87-61-6	1,2,3-Trichlorobenzene	0.32	U	2.1	0.32
96-18-4	1,2,3-Trichloropropane	0.85	U	2.1	0.85
526-73-8	1,2,3-Trimethylbenzene	0.11	U	2.1	0.11
120-82-1	1,2,4-Trichlorobenzene	0.25	U	2.1	0.25
95-63-6	1,2,4-Trimethylbenzene	0.11	U	2.1	0.11
96-12-8	1,2-Dibromo-3-Chloropropane	0.59	U	4.1	0.59
95-50-1	1,2-Dichlorobenzene	0.16	U	2.1	0.16
107-06-2	1,2-Dichloroethane	0.083	U	2.1	0.083
78-87-5	1,2-Dichloropropane	0.26	U	2.1	0.26
541-73-1	1,3-Dichlorobenzene	0.25	U	2.1	0.25
142-28-9	1,3-Dichloropropane	0.19	U	2.1	0.19
106-46-7	1,4-Dichlorobenzene	0.34	U	2.1	0.34
594-20-7	2,2-Dichloropropane	0.43	U	2.1	0.43
78-93-3	2-Butanone (MEK)	0.60	U	8.3	0.60
110-75-8	2-Chloroethyl vinyl ether	0.65	U	8.3	0.65
95-49-8	2-Chlorotoluene	0.34	U	2.1	0.34
591-78-6	2-Hexanone	0.70	U	8.3	0.70
106-43-4	4-Chlorotoluene	0.22	U	2.1	0.22
99-87-6	4-Isopropyltoluene	0.21	U	2.1	0.21
108-10-1	4-Methyl-2-pentanone (MIBK)	0.46	U	8.3	0.46
67-64-1	Acetone	1.9	U	8.3	1.9
71-43-2	Benzene	0.074	U	2.1	0.074
108-86-1	Bromobenzene	0.11	U	2.1	0.11
75-25-2	Bromoform	0.50	U	2.1	0.50
74-83-9	Bromomethane	0.42	U	2.1	0.42
75-15-0	Carbon disulfide	0.46	U	2.1	0.46
56-23-5	Carbon tetrachloride	0.15	U	2.1	0.15
108-90-7	Chlorobenzene	0.11	U	2.1	0.11
124-48-1	Chlorodibromomethane	0.17	U	2.1	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TG6S-050916 | Lab Sample ID: 240-64634-6

Matrix: Solid | Lab File ID: UX83705.D

Analysis Method: 8260B | Date Collected: 05/09/2016 09:40

Sample wt/vol: 1.01(g) | Date Analyzed: 05/14/2016 08:36

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 35.9 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.42	U	2.1	0.42
67-66-3	Chloroform	0.30	U	2.1	0.30
74-87-3	Chloromethane	0.40	U	2.1	0.40
156-59-2	cis-1,2-Dichloroethene	0.31	U	2.1	0.31
10061-01-5	cis-1,3-Dichloropropene	0.18	U	2.1	0.18
74-95-3	Dibromomethane	0.41	U	2.1	0.41
74-97-5	Bromochloromethane	0.58	U	2.1	0.58
75-71-8	Dichlorodifluoromethane	0.50	U	2.1	0.50
75-27-4	Bromodichloromethane	0.31	U	2.1	0.31
75-65-0	tert-Butyl alcohol	6.9	U *	83	6.9
100-41-4	Ethylbenzene	0.29	U	2.1	0.29
87-68-3	Hexachlorobutadiene	0.36	U	2.1	0.36
108-20-3	Diisopropyl ether	0.43	U	4.1	0.43
98-82-8	Isopropylbenzene	0.11	U	2.1	0.11
1634-04-4	Methyl tert-butyl ether	0.25	U	2.1	0.25
75-09-2	Methylene Chloride	0.70	U	2.1	0.70
179601-23-1	m-Xylene & p-Xylene	0.17	U	2.1	0.17
91-20-3	Naphthalene	0.22	U	2.1	0.22
104-51-8	n-Butylbenzene	0.17	U	2.1	0.17
103-65-1	N-Propylbenzene	0.50	U	2.1	0.50
95-47-6	o-Xylene	0.14	U	2.1	0.14
135-98-8	sec-Butylbenzene	0.13	U	2.1	0.13
100-42-5	Styrene	0.22	U	2.1	0.22
994-05-8	Tert-amyl methyl ether	0.35	U	2.1	0.35
637-92-3	Ethyl tert-butyl ether	0.13	U	2.1	0.13
127-18-4	Tetrachloroethene	0.22	U	2.1	0.22
108-88-3	Toluene	0.083	U	2.1	0.083
156-60-5	trans-1,2-Dichloroethene	0.22	U	2.1	0.22
10061-02-6	trans-1,3-Dichloropropene	0.22	U	2.1	0.22
79-01-6	Trichloroethene	0.32	U	2.1	0.32
75-69-4	Trichlorofluoromethane	0.29	U	2.1	0.29
108-05-4	Vinyl acetate	0.85	U	4.1	0.85
75-01-4	Vinyl chloride	0.14	U	2.1	0.14
1330-20-7	Xylenes, Total	0.26	U	4.1	0.26
98-06-6	tert-Butylbenzene	0.28	U	2.1	0.28
106-93-4	1,2-Dibromoethane	0.26	U	2.1	0.26

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TG6S-050916 Lab Sample ID: 240-64634-6

Matrix: Solid Lab File ID: UX83705.D

Analysis Method: 8260B Date Collected: 05/09/2016 09:40

Sample wt/vol: 1.01(g) Date Analyzed: 05/14/2016 08:36

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 35.9 Level: (low/med) Medium

Analysis Batch No.: 230314 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	72		33-134
1868-53-7	Dibromofluoromethane (Surr)	60		30-122
460-00-4	4-Bromofluorobenzene (Surr)	65		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	72		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TG6S-050916 | Lab Sample ID: 240-64634-6

Matrix: Solid | Lab File ID: UX83705.D

Analysis Method: 8260B | Date Collected: 05/09/2016 09:40

Sample wt/vol: 1.01(g) | Date Analyzed: 05/14/2016 08:36

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 35.9 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TG6S-050916 | Lab Sample ID: 240-64634-6

Matrix: Solid | Lab File ID: UX83705.D

Analysis Method: 8260B | Date Collected: 05/09/2016 09:40

Sample wt/vol: 1.01(g) | Date Analyzed: 05/14/2016 08:36

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 35.9 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.60	2.1	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL1N-050916 | Lab Sample ID: 240-64634-7

Matrix: Solid | Lab File ID: UX83706.D

Analysis Method: 8260B | Date Collected: 05/09/2016 10:00

Sample wt/vol: 1.09(g) | Date Analyzed: 05/14/2016 08:57

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 4

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 57.4 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	2.4	U	12	2.4
71-55-6	1,1,1-Trichloroethane	1.3	U	12	1.3
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	12	1.2
76-13-1	1,1,2-Trichlorotrifluoroethane	2.0	U	12	2.0
75-34-3	1,1-Dichloroethane	1.7	U	12	1.7
75-35-4	1,1-Dichloroethene	1.5	U	12	1.5
563-58-6	1,1-Dichloropropene	1.8	U	12	1.8
87-61-6	1,2,3-Trichlorobenzene	1.9	U	12	1.9
96-18-4	1,2,3-Trichloropropane	5.0	U	12	5.0
526-73-8	1,2,3-Trimethylbenzene	0.63	U	12	0.63
120-82-1	1,2,4-Trichlorobenzene	1.5	U	12	1.5
95-63-6	1,2,4-Trimethylbenzene	0.63	U	12	0.63
96-12-8	1,2-Dibromo-3-Chloropropane	3.4	U	24	3.4
95-50-1	1,2-Dichlorobenzene	0.92	U	12	0.92
107-06-2	1,2-Dichloroethane	0.48	U	12	0.48
78-87-5	1,2-Dichloropropane	1.5	U	12	1.5
541-73-1	1,3-Dichlorobenzene	1.5	U	12	1.5
142-28-9	1,3-Dichloropropane	1.1	U	12	1.1
106-46-7	1,4-Dichlorobenzene	2.0	U	12	2.0
594-20-7	2,2-Dichloropropane	2.5	U	12	2.5
78-93-3	2-Butanone (MEK)	3.5	U	48	3.5
110-75-8	2-Chloroethyl vinyl ether	3.8	U	48	3.8
95-49-8	2-Chlorotoluene	2.0	U	12	2.0
591-78-6	2-Hexanone	4.1	U	48	4.1
106-43-4	4-Chlorotoluene	1.3	U	12	1.3
99-87-6	4-Isopropyltoluene	11	J	12	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	2.7	U	48	2.7
67-64-1	Acetone	12	J	48	11
71-43-2	Benzene	0.44	U	12	0.44
108-86-1	Bromobenzene	0.63	U	12	0.63
75-25-2	Bromoform	3.0	U	12	3.0
74-83-9	Bromomethane	2.5	U	12	2.5
75-15-0	Carbon disulfide	2.7	U	12	2.7
56-23-5	Carbon tetrachloride	0.87	U	12	0.87
108-90-7	Chlorobenzene	0.63	U	12	0.63
124-48-1	Chlorodibromomethane	0.97	U	12	0.97

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL1N-050916 | Lab Sample ID: 240-64634-7

Matrix: Solid | Lab File ID: UX83706.D

Analysis Method: 8260B | Date Collected: 05/09/2016 10:00

Sample wt/vol: 1.09(g) | Date Analyzed: 05/14/2016 08:57

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 4

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 57.4 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	2.5	U	12	2.5
67-66-3	Chloroform	1.7	U	12	1.7
74-87-3	Chloromethane	2.3	U	12	2.3
156-59-2	cis-1,2-Dichloroethene	1.8	U	12	1.8
10061-01-5	cis-1,3-Dichloropropene	1.1	U	12	1.1
74-95-3	Dibromomethane	2.4	U	12	2.4
74-97-5	Bromochloromethane	3.4	U	12	3.4
75-71-8	Dichlorodifluoromethane	3.0	U	12	3.0
75-27-4	Bromodichloromethane	1.8	U	12	1.8
75-65-0	tert-Butyl alcohol	41	U *	480	41
100-41-4	Ethylbenzene	1.7	U	12	1.7
87-68-3	Hexachlorobutadiene	2.1	U	12	2.1
108-20-3	Diisopropyl ether	2.5	U	24	2.5
98-82-8	Isopropylbenzene	0.63	U	12	0.63
1634-04-4	Methyl tert-butyl ether	1.5	U	12	1.5
75-09-2	Methylene Chloride	4.1	U	12	4.1
179601-23-1	m-Xylene & p-Xylene	0.97	U	12	0.97
91-20-3	Naphthalene	1.3	U	12	1.3
104-51-8	n-Butylbenzene	1.0	U	12	1.0
103-65-1	N-Propylbenzene	3.0	U	12	3.0
95-47-6	o-Xylene	0.82	U	12	0.82
135-98-8	sec-Butylbenzene	0.77	U	12	0.77
100-42-5	Styrene	1.3	U	12	1.3
994-05-8	Tert-amyl methyl ether	2.0	U	12	2.0
637-92-3	Ethyl tert-butyl ether	0.77	U	12	0.77
127-18-4	Tetrachloroethene	1.3	U	12	1.3
108-88-3	Toluene	0.54	J B	12	0.48
156-60-5	trans-1,2-Dichloroethene	1.3	U	12	1.3
10061-02-6	trans-1,3-Dichloropropene	1.3	U	12	1.3
79-01-6	Trichloroethene	1.9	U	12	1.9
75-69-4	Trichlorofluoromethane	1.7	U	12	1.7
108-05-4	Vinyl acetate	5.0	U	24	5.0
75-01-4	Vinyl chloride	0.82	U	12	0.82
1330-20-7	Xylenes, Total	1.5	U	24	1.5
98-06-6	tert-Butylbenzene	1.6	U	12	1.6
106-93-4	1,2-Dibromoethane	1.5	U	12	1.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL1N-050916 Lab Sample ID: 240-64634-7

Matrix: Solid Lab File ID: UX83706.D

Analysis Method: 8260B Date Collected: 05/09/2016 10:00

Sample wt/vol: 1.09(g) Date Analyzed: 05/14/2016 08:57

Soil Aliquot Vol: 100 (uL) Dilution Factor: 4

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 57.4 Level: (low/med) Medium

Analysis Batch No.: 230314 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	75		33-134
1868-53-7	Dibromofluoromethane (Surr)	59		30-122
460-00-4	4-Bromofluorobenzene (Surr)	72		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	72		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL1N-050916 | Lab Sample ID: 240-64634-7

Matrix: Solid | Lab File ID: UX83706.D

Analysis Method: 8260B | Date Collected: 05/09/2016 10:00

Sample wt/vol: 1.09(g) | Date Analyzed: 05/14/2016 08:57

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 4

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 57.4 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

Number TICs Found: 5 | TIC Result Total: 2447

CAS NO.	COMPOUND NAME	RT	RESULT	Q
7785-70-8	1R-.alpha.-Pinene	8.62	1200	T J N
79-92-5	Camphene	8.88	46	T J N
127-91-3	.beta.-Pinene	9.24	610	T J N
13466-78-9	3-Carene	9.57	550	T J N
586-62-9	Cyclohexene, 1-methyl-4-(1-methylethylid	10.49	41	T J N

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL1N-050916 | Lab Sample ID: 240-64634-7

Matrix: Solid | Lab File ID: UX83706.D

Analysis Method: 8260B | Date Collected: 05/09/2016 10:00

Sample wt/vol: 1.09(g) | Date Analyzed: 05/14/2016 08:57

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 4

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 57.4 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.60	12	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL1S-050916 | Lab Sample ID: 240-64634-8

Matrix: Solid | Lab File ID: UX83707.D

Analysis Method: 8260B | Date Collected: 05/09/2016 10:30

Sample wt/vol: 1.12(g) | Date Analyzed: 05/14/2016 09:18

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 5

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 55.5 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	2.8	U	14	2.8
71-55-6	1,1,1-Trichloroethane	1.5	U	14	1.5
79-34-5	1,1,2,2-Tetrachloroethane	1.4	U	14	1.4
76-13-1	1,1,2-Trichlorotrifluoroethane	2.4	U	14	2.4
75-34-3	1,1-Dichloroethane	2.0	U	14	2.0
75-35-4	1,1-Dichloroethene	1.7	U	14	1.7
563-58-6	1,1-Dichloropropene	2.1	U	14	2.1
87-61-6	1,2,3-Trichlorobenzene	2.2	U	14	2.2
96-18-4	1,2,3-Trichloropropane	5.8	U	14	5.8
526-73-8	1,2,3-Trimethylbenzene	0.73	U	14	0.73
120-82-1	1,2,4-Trichlorobenzene	1.7	U	14	1.7
95-63-6	1,2,4-Trimethylbenzene	0.73	U	14	0.73
96-12-8	1,2-Dibromo-3-Chloropropane	4.0	U	28	4.0
95-50-1	1,2-Dichlorobenzene	1.1	U	14	1.1
107-06-2	1,2-Dichloroethane	0.56	U	14	0.56
78-87-5	1,2-Dichloropropane	1.8	U	14	1.8
541-73-1	1,3-Dichlorobenzene	1.7	U	14	1.7
142-28-9	1,3-Dichloropropane	1.3	U	14	1.3
106-46-7	1,4-Dichlorobenzene	2.3	U	14	2.3
594-20-7	2,2-Dichloropropane	2.9	U	14	2.9
78-93-3	2-Butanone (MEK)	4.1	U	56	4.1
110-75-8	2-Chloroethyl vinyl ether	4.4	U	56	4.4
95-49-8	2-Chlorotoluene	2.3	U	14	2.3
591-78-6	2-Hexanone	4.7	U	56	4.7
106-43-4	4-Chlorotoluene	1.5	U	14	1.5
99-87-6	4-Isopropyltoluene	9.2	J	14	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	56	3.2
67-64-1	Acetone	14	J	56	13
71-43-2	Benzene	0.51	U	14	0.51
108-86-1	Bromobenzene	0.73	U	14	0.73
75-25-2	Bromoform	3.4	U	14	3.4
74-83-9	Bromomethane	2.9	U	14	2.9
75-15-0	Carbon disulfide	3.2	U	14	3.2
56-23-5	Carbon tetrachloride	1.0	U	14	1.0
108-90-7	Chlorobenzene	0.73	U	14	0.73
124-48-1	Chlorodibromomethane	1.1	U	14	1.1

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL1S-050916 | Lab Sample ID: 240-64634-8

Matrix: Solid | Lab File ID: UX83707.D

Analysis Method: 8260B | Date Collected: 05/09/2016 10:30

Sample wt/vol: 1.12(g) | Date Analyzed: 05/14/2016 09:18

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 5

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 55.5 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	2.9	U	14	2.9
67-66-3	Chloroform	2.0	U	14	2.0
74-87-3	Chloromethane	2.7	U	14	2.7
156-59-2	cis-1,2-Dichloroethene	2.1	U	14	2.1
10061-01-5	cis-1,3-Dichloropropene	1.2	U	14	1.2
74-95-3	Dibromomethane	2.8	U	14	2.8
74-97-5	Bromochloromethane	3.9	U	14	3.9
75-71-8	Dichlorodifluoromethane	3.4	U	14	3.4
75-27-4	Bromodichloromethane	2.1	U	14	2.1
75-65-0	tert-Butyl alcohol	47	U *	560	47
100-41-4	Ethylbenzene	2.0	U	14	2.0
87-68-3	Hexachlorobutadiene	2.5	U	14	2.5
108-20-3	Diisopropyl ether	2.9	U	28	2.9
98-82-8	Isopropylbenzene	0.73	U	14	0.73
1634-04-4	Methyl tert-butyl ether	1.7	U	14	1.7
75-09-2	Methylene Chloride	4.8	U	14	4.8
179601-23-1	m-Xylene & p-Xylene	1.1	U	14	1.1
91-20-3	Naphthalene	1.5	U	14	1.5
104-51-8	n-Butylbenzene	1.2	U	14	1.2
103-65-1	N-Propylbenzene	3.4	U	14	3.4
95-47-6	o-Xylene	0.96	U	14	0.96
135-98-8	sec-Butylbenzene	0.90	U	14	0.90
100-42-5	Styrene	1.5	U	14	1.5
994-05-8	Tert-amyl methyl ether	2.4	U	14	2.4
637-92-3	Ethyl tert-butyl ether	0.90	U	14	0.90
127-18-4	Tetrachloroethene	1.5	U	14	1.5
108-88-3	Toluene	0.56	U	14	0.56
156-60-5	trans-1,2-Dichloroethene	1.5	U	14	1.5
10061-02-6	trans-1,3-Dichloropropene	1.5	U	14	1.5
79-01-6	Trichloroethene	2.2	U	14	2.2
75-69-4	Trichlorofluoromethane	2.0	U	14	2.0
108-05-4	Vinyl acetate	5.8	U	28	5.8
75-01-4	Vinyl chloride	0.96	U	14	0.96
1330-20-7	Xylenes, Total	1.8	U	28	1.8
98-06-6	tert-Butylbenzene	1.9	U	14	1.9
106-93-4	1,2-Dibromoethane	1.8	U	14	1.8

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL1S-050916 Lab Sample ID: 240-64634-8

Matrix: Solid Lab File ID: UX83707.D

Analysis Method: 8260B Date Collected: 05/09/2016 10:30

Sample wt/vol: 1.12(g) Date Analyzed: 05/14/2016 09:18

Soil Aliquot Vol: 100 (uL) Dilution Factor: 5

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 55.5 Level: (low/med) Medium

Analysis Batch No.: 230314 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	71		33-134
1868-53-7	Dibromofluoromethane (Surr)	58		30-122
460-00-4	4-Bromofluorobenzene (Surr)	68		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	72		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL1S-050916 | Lab Sample ID: 240-64634-8

Matrix: Solid | Lab File ID: UX83707.D

Analysis Method: 8260B | Date Collected: 05/09/2016 10:30

Sample wt/vol: 1.12(g) | Date Analyzed: 05/14/2016 09:18

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 5

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 55.5 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

Number TICs Found: 6 | TIC Result Total: 2201

CAS NO.	COMPOUND NAME	RT	RESULT	Q
7785-70-8	1R-.alpha.-Pinene	8.61	910	T J N
79-92-5	Camphene	8.88	48	T J N
127-91-3	.beta.-Pinene	9.25	700	T J N
13466-78-9	3-Carene	9.57	470	T J N
138-86-3	Limonene	9.80	37	T J N
586-62-9	Cyclohexene, 1-methyl-4-(1-methylethylid	10.48	36	T J N

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL1S-050916 | Lab Sample ID: 240-64634-8

Matrix: Solid | Lab File ID: UX83707.D

Analysis Method: 8260B | Date Collected: 05/09/2016 10:30

Sample wt/vol: 1.12(g) | Date Analyzed: 05/14/2016 09:18

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 5

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 55.5 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.60	14	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TLDUP1-050916 | Lab Sample ID: 240-64634-9

Matrix: Solid | Lab File ID: UX83708.D

Analysis Method: 8260B | Date Collected: 05/09/2016 07:00

Sample wt/vol: 1.50(g) | Date Analyzed: 05/14/2016 09:39

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 4

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 54.5 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.7	U	8.5	1.7
71-55-6	1,1,1-Trichloroethane	0.92	U	8.5	0.92
79-34-5	1,1,2,2-Tetrachloroethane	0.85	U	8.5	0.85
76-13-1	1,1,2-Trichlorotrifluoroethane	1.4	U	8.5	1.4
75-34-3	1,1-Dichloroethane	1.2	U	8.5	1.2
75-35-4	1,1-Dichloroethene	1.0	U	8.5	1.0
563-58-6	1,1-Dichloropropene	1.3	U	8.5	1.3
87-61-6	1,2,3-Trichlorobenzene	1.3	U	8.5	1.3
96-18-4	1,2,3-Trichloropropane	3.5	U	8.5	3.5
526-73-8	1,2,3-Trimethylbenzene	0.44	U	8.5	0.44
120-82-1	1,2,4-Trichlorobenzene	1.0	U	8.5	1.0
95-63-6	1,2,4-Trimethylbenzene	0.44	U	8.5	0.44
96-12-8	1,2-Dibromo-3-Chloropropane	2.4	U	17	2.4
95-50-1	1,2-Dichlorobenzene	0.65	U	8.5	0.65
107-06-2	1,2-Dichloroethane	0.34	U	8.5	0.34
78-87-5	1,2-Dichloropropane	1.1	U	8.5	1.1
541-73-1	1,3-Dichlorobenzene	1.0	U	8.5	1.0
142-28-9	1,3-Dichloropropane	0.78	U	8.5	0.78
106-46-7	1,4-Dichlorobenzene	1.4	U	8.5	1.4
594-20-7	2,2-Dichloropropane	1.8	U	8.5	1.8
78-93-3	2-Butanone (MEK)	2.5	U	34	2.5
110-75-8	2-Chloroethyl vinyl ether	2.7	U	34	2.7
95-49-8	2-Chlorotoluene	1.4	U	8.5	1.4
591-78-6	2-Hexanone	2.9	U	34	2.9
106-43-4	4-Chlorotoluene	0.89	U	8.5	0.89
99-87-6	4-Isopropyltoluene	6.1	J	8.5	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	1.9	U	34	1.9
67-64-1	Acetone	8.6	J	34	7.7
71-43-2	Benzene	0.31	U	8.5	0.31
108-86-1	Bromobenzene	0.44	U	8.5	0.44
75-25-2	Bromoform	2.1	U	8.5	2.1
74-83-9	Bromomethane	1.7	U	8.5	1.7
75-15-0	Carbon disulfide	1.9	U	8.5	1.9
56-23-5	Carbon tetrachloride	0.61	U	8.5	0.61
108-90-7	Chlorobenzene	0.44	U	8.5	0.44
124-48-1	Chlorodibromomethane	0.68	U	8.5	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TLDUP1-050916 | Lab Sample ID: 240-64634-9

Matrix: Solid | Lab File ID: UX83708.D

Analysis Method: 8260B | Date Collected: 05/09/2016 07:00

Sample wt/vol: 1.50(g) | Date Analyzed: 05/14/2016 09:39

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 4

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 54.5 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	1.7	U	8.5	1.7
67-66-3	Chloroform	1.2	U	8.5	1.2
74-87-3	Chloromethane	1.6	U	8.5	1.6
156-59-2	cis-1,2-Dichloroethene	1.3	U	8.5	1.3
10061-01-5	cis-1,3-Dichloropropene	0.75	U	8.5	0.75
74-95-3	Dibromomethane	1.7	U	8.5	1.7
74-97-5	Bromochloromethane	2.4	U	8.5	2.4
75-71-8	Dichlorodifluoromethane	2.1	U	8.5	2.1
75-27-4	Bromodichloromethane	1.3	U	8.5	1.3
75-65-0	tert-Butyl alcohol	29	U *	340	29
100-41-4	Ethylbenzene	1.2	U	8.5	1.2
87-68-3	Hexachlorobutadiene	1.5	U	8.5	1.5
108-20-3	Diisopropyl ether	1.8	U	17	1.8
98-82-8	Isopropylbenzene	0.44	U	8.5	0.44
1634-04-4	Methyl tert-butyl ether	1.0	U	8.5	1.0
75-09-2	Methylene Chloride	2.9	U	8.5	2.9
179601-23-1	m-Xylene & p-Xylene	0.68	U	8.5	0.68
91-20-3	Naphthalene	0.89	U	8.5	0.89
104-51-8	n-Butylbenzene	0.72	U	8.5	0.72
103-65-1	N-Propylbenzene	2.1	U	8.5	2.1
95-47-6	o-Xylene	0.58	U	8.5	0.58
135-98-8	sec-Butylbenzene	0.55	U	8.5	0.55
100-42-5	Styrene	0.92	U	8.5	0.92
994-05-8	Tert-amyl methyl ether	1.4	U	8.5	1.4
637-92-3	Ethyl tert-butyl ether	0.55	U	8.5	0.55
127-18-4	Tetrachloroethene	0.92	U	8.5	0.92
108-88-3	Toluene	0.34	U	8.5	0.34
156-60-5	trans-1,2-Dichloroethene	0.89	U	8.5	0.89
10061-02-6	trans-1,3-Dichloropropene	0.89	U	8.5	0.89
79-01-6	Trichloroethene	1.3	U	8.5	1.3
75-69-4	Trichlorofluoromethane	1.2	U	8.5	1.2
108-05-4	Vinyl acetate	3.5	U	17	3.5
75-01-4	Vinyl chloride	0.58	U	8.5	0.58
1330-20-7	Xylenes, Total	1.1	U	17	1.1
98-06-6	tert-Butylbenzene	1.2	U	8.5	1.2
106-93-4	1,2-Dibromoethane	1.1	U	8.5	1.1

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TLDUP1-050916 Lab Sample ID: 240-64634-9

Matrix: Solid Lab File ID: UX83708.D

Analysis Method: 8260B Date Collected: 05/09/2016 07:00

Sample wt/vol: 1.50(g) Date Analyzed: 05/14/2016 09:39

Soil Aliquot Vol: 100 (uL) Dilution Factor: 4

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 54.5 Level: (low/med) Medium

Analysis Batch No.: 230314 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	68		33-134
1868-53-7	Dibromofluoromethane (Surr)	61		30-122
460-00-4	4-Bromofluorobenzene (Surr)	65		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	74		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TLDUP1-050916 | Lab Sample ID: 240-64634-9

Matrix: Solid | Lab File ID: UX83708.D

Analysis Method: 8260B | Date Collected: 05/09/2016 07:00

Sample wt/vol: 1.50(g) | Date Analyzed: 05/14/2016 09:39

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 4

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 54.5 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

Number TICs Found: 6 | TIC Result Total: 1939

CAS NO.	COMPOUND NAME	RT	RESULT	Q
7785-70-8	1R-.alpha.-Pinene	8.61	990	T J N
79-92-5	Camphene	8.89	39	T J N
18172-67-3	Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-me	9.24	550	T J N
13466-78-9	3-Carene	9.57	300	T J N
5989-27-5	D-Limonene	9.80	31	T J N
586-62-9	Cyclohexene, 1-methyl-4-(1-methylethylid	10.48	29	T J N

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TLDUP1-050916 | Lab Sample ID: 240-64634-9

Matrix: Solid | Lab File ID: UX83708.D

Analysis Method: 8260B | Date Collected: 05/09/2016 07:00

Sample wt/vol: 1.50(g) | Date Analyzed: 05/14/2016 09:39

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 4

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 54.5 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.60	8.5	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL4N-050916 | Lab Sample ID: 240-64634-10

Matrix: Solid | Lab File ID: UX83709.D

Analysis Method: 8260B | Date Collected: 05/09/2016 11:00

Sample wt/vol: 1.09(g) | Date Analyzed: 05/14/2016 10:01

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 48.4 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.48	U	2.5	0.48
71-55-6	1,1,1-Trichloroethane	0.27	U	2.5	0.27
79-34-5	1,1,2,2-Tetrachloroethane	0.25	U	2.5	0.25
76-13-1	1,1,2-Trichlorotrifluoroethane	0.41	U	2.5	0.41
75-34-3	1,1-Dichloroethane	0.34	U	2.5	0.34
75-35-4	1,1-Dichloroethene	0.29	U	2.5	0.29
563-58-6	1,1-Dichloropropene	0.37	U	2.5	0.37
87-61-6	1,2,3-Trichlorobenzene	0.38	U	2.5	0.38
96-18-4	1,2,3-Trichloropropane	1.0	U	2.5	1.0
526-73-8	1,2,3-Trimethylbenzene	0.13	U	2.5	0.13
120-82-1	1,2,4-Trichlorobenzene	0.29	U	2.5	0.29
95-63-6	1,2,4-Trimethylbenzene	0.13	U	2.5	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	0.70	U	4.9	0.70
95-50-1	1,2-Dichlorobenzene	0.19	U	2.5	0.19
107-06-2	1,2-Dichloroethane	0.098	U	2.5	0.098
78-87-5	1,2-Dichloropropane	0.31	U	2.5	0.31
541-73-1	1,3-Dichlorobenzene	0.29	U	2.5	0.29
142-28-9	1,3-Dichloropropane	0.23	U	2.5	0.23
106-46-7	1,4-Dichlorobenzene	0.40	U	2.5	0.40
594-20-7	2,2-Dichloropropane	0.51	U	2.5	0.51
78-93-3	2-Butanone (MEK)	0.72	U	9.8	0.72
110-75-8	2-Chloroethyl vinyl ether	0.77	U	9.8	0.77
95-49-8	2-Chlorotoluene	0.40	U	2.5	0.40
591-78-6	2-Hexanone	0.82	U	9.8	0.82
106-43-4	4-Chlorotoluene	0.26	U	2.5	0.26
99-87-6	4-Isopropyltoluene	0.33	J	2.5	0.25
108-10-1	4-Methyl-2-pentanone (MIBK)	0.55	U	9.8	0.55
67-64-1	Acetone	2.2	J	9.8	2.2
71-43-2	Benzene	0.088	U	2.5	0.088
108-86-1	Bromobenzene	0.13	U	2.5	0.13
75-25-2	Bromoform	0.60	U	2.5	0.60
74-83-9	Bromomethane	0.50	U	2.5	0.50
75-15-0	Carbon disulfide	0.55	U	2.5	0.55
56-23-5	Carbon tetrachloride	0.18	U	2.5	0.18
108-90-7	Chlorobenzene	0.13	U	2.5	0.13
124-48-1	Chlorodibromomethane	0.20	U	2.5	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL4N-050916 | Lab Sample ID: 240-64634-10

Matrix: Solid | Lab File ID: UX83709.D

Analysis Method: 8260B | Date Collected: 05/09/2016 11:00

Sample wt/vol: 1.09(g) | Date Analyzed: 05/14/2016 10:01

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 48.4 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.50	U	2.5	0.50
67-66-3	Chloroform	0.35	U	2.5	0.35
74-87-3	Chloromethane	0.47	U	2.5	0.47
156-59-2	cis-1,2-Dichloroethene	0.37	U	2.5	0.37
10061-01-5	cis-1,3-Dichloropropene	0.22	U	2.5	0.22
74-95-3	Dibromomethane	0.49	U	2.5	0.49
74-97-5	Bromochloromethane	0.69	U	2.5	0.69
75-71-8	Dichlorodifluoromethane	0.60	U	2.5	0.60
75-27-4	Bromodichloromethane	0.37	U	2.5	0.37
75-65-0	tert-Butyl alcohol	8.2	U *	98	8.2
100-41-4	Ethylbenzene	0.34	U	2.5	0.34
87-68-3	Hexachlorobutadiene	0.43	U	2.5	0.43
108-20-3	Diisopropyl ether	0.51	U	4.9	0.51
98-82-8	Isopropylbenzene	0.13	U	2.5	0.13
1634-04-4	Methyl tert-butyl ether	0.29	U	2.5	0.29
75-09-2	Methylene Chloride	0.83	U	2.5	0.83
179601-23-1	m-Xylene & p-Xylene	0.20	U	2.5	0.20
91-20-3	Naphthalene	0.26	U	2.5	0.26
104-51-8	n-Butylbenzene	0.21	U	2.5	0.21
103-65-1	N-Propylbenzene	0.60	U	2.5	0.60
95-47-6	o-Xylene	0.17	U	2.5	0.17
135-98-8	sec-Butylbenzene	0.16	U	2.5	0.16
100-42-5	Styrene	0.27	U	2.5	0.27
994-05-8	Tert-amyl methyl ether	0.41	U	2.5	0.41
637-92-3	Ethyl tert-butyl ether	0.16	U	2.5	0.16
127-18-4	Tetrachloroethene	0.27	U	2.5	0.27
108-88-3	Toluene	0.098	U	2.5	0.098
156-60-5	trans-1,2-Dichloroethene	0.26	U	2.5	0.26
10061-02-6	trans-1,3-Dichloropropene	0.26	U	2.5	0.26
79-01-6	Trichloroethene	0.38	U	2.5	0.38
75-69-4	Trichlorofluoromethane	0.34	U	2.5	0.34
108-05-4	Vinyl acetate	1.0	U	4.9	1.0
75-01-4	Vinyl chloride	0.17	U	2.5	0.17
1330-20-7	Xylenes, Total	0.31	U	4.9	0.31
98-06-6	tert-Butylbenzene	0.33	U	2.5	0.33
106-93-4	1,2-Dibromoethane	0.31	U	2.5	0.31

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL4N-050916 | Lab Sample ID: 240-64634-10

Matrix: Solid | Lab File ID: UX83709.D

Analysis Method: 8260B | Date Collected: 05/09/2016 11:00

Sample wt/vol: 1.09(g) | Date Analyzed: 05/14/2016 10:01

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 48.4 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	71		33-134
1868-53-7	Dibromofluoromethane (Surr)	60		30-122
460-00-4	4-Bromofluorobenzene (Surr)	66		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	70		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL4N-050916 | Lab Sample ID: 240-64634-10

Matrix: Solid | Lab File ID: UX83709.D

Analysis Method: 8260B | Date Collected: 05/09/2016 11:00

Sample wt/vol: 1.09(g) | Date Analyzed: 05/14/2016 10:01

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 48.4 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL4N-050916 | Lab Sample ID: 240-64634-10

Matrix: Solid | Lab File ID: UX83709.D

Analysis Method: 8260B | Date Collected: 05/09/2016 11:00

Sample wt/vol: 1.09(g) | Date Analyzed: 05/14/2016 10:01

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 48.4 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.60	2.5	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL4S-050916 | Lab Sample ID: 240-64634-11

Matrix: Solid | Lab File ID: UX83710.D

Analysis Method: 8260B | Date Collected: 05/09/2016 11:30

Sample wt/vol: 1.19(g) | Date Analyzed: 05/14/2016 10:22

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 44.0 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.41	U	2.1	0.41
71-55-6	1,1,1-Trichloroethane	0.22	U	2.1	0.22
79-34-5	1,1,2,2-Tetrachloroethane	0.21	U	2.1	0.21
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	2.1	0.35
75-34-3	1,1-Dichloroethane	0.29	U	2.1	0.29
75-35-4	1,1-Dichloroethene	0.25	U	2.1	0.25
563-58-6	1,1-Dichloropropene	0.31	U	2.1	0.31
87-61-6	1,2,3-Trichlorobenzene	0.32	U	2.1	0.32
96-18-4	1,2,3-Trichloropropane	0.85	U	2.1	0.85
526-73-8	1,2,3-Trimethylbenzene	0.11	U	2.1	0.11
120-82-1	1,2,4-Trichlorobenzene	0.25	U	2.1	0.25
95-63-6	1,2,4-Trimethylbenzene	0.11	U	2.1	0.11
96-12-8	1,2-Dibromo-3-Chloropropane	0.59	U	4.1	0.59
95-50-1	1,2-Dichlorobenzene	0.16	U	2.1	0.16
107-06-2	1,2-Dichloroethane	0.083	U	2.1	0.083
78-87-5	1,2-Dichloropropane	0.27	U	2.1	0.27
541-73-1	1,3-Dichlorobenzene	0.25	U	2.1	0.25
142-28-9	1,3-Dichloropropane	0.19	U	2.1	0.19
106-46-7	1,4-Dichlorobenzene	0.34	U	2.1	0.34
594-20-7	2,2-Dichloropropane	0.43	U	2.1	0.43
78-93-3	2-Butanone (MEK)	0.60	U	8.3	0.60
110-75-8	2-Chloroethyl vinyl ether	0.65	U	8.3	0.65
95-49-8	2-Chlorotoluene	0.34	U	2.1	0.34
591-78-6	2-Hexanone	0.70	U	8.3	0.70
106-43-4	4-Chlorotoluene	0.22	U	2.1	0.22
99-87-6	4-Isopropyltoluene	0.21	U	2.1	0.21
108-10-1	4-Methyl-2-pentanone (MIBK)	0.46	U	8.3	0.46
67-64-1	Acetone	1.9	U	8.3	1.9
71-43-2	Benzene	0.075	U	2.1	0.075
108-86-1	Bromobenzene	0.11	U	2.1	0.11
75-25-2	Bromoform	0.51	U	2.1	0.51
74-83-9	Bromomethane	0.42	U	2.1	0.42
75-15-0	Carbon disulfide	0.46	U	2.1	0.46
56-23-5	Carbon tetrachloride	0.15	U	2.1	0.15
108-90-7	Chlorobenzene	0.11	U	2.1	0.11
124-48-1	Chlorodibromomethane	0.17	U	2.1	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL4S-050916 | Lab Sample ID: 240-64634-11

Matrix: Solid | Lab File ID: UX83710.D

Analysis Method: 8260B | Date Collected: 05/09/2016 11:30

Sample wt/vol: 1.19(g) | Date Analyzed: 05/14/2016 10:22

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 44.0 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.42	U	2.1	0.42
67-66-3	Chloroform	0.30	U	2.1	0.30
74-87-3	Chloromethane	0.40	U	2.1	0.40
156-59-2	cis-1,2-Dichloroethene	0.31	U	2.1	0.31
10061-01-5	cis-1,3-Dichloropropene	0.18	U	2.1	0.18
74-95-3	Dibromomethane	0.41	U	2.1	0.41
74-97-5	Bromochloromethane	0.58	U	2.1	0.58
75-71-8	Dichlorodifluoromethane	0.51	U	2.1	0.51
75-27-4	Bromodichloromethane	0.31	U	2.1	0.31
75-65-0	tert-Butyl alcohol	6.9	U *	83	6.9
100-41-4	Ethylbenzene	0.29	U	2.1	0.29
87-68-3	Hexachlorobutadiene	0.36	U	2.1	0.36
108-20-3	Diisopropyl ether	0.43	U	4.1	0.43
98-82-8	Isopropylbenzene	0.11	U	2.1	0.11
1634-04-4	Methyl tert-butyl ether	0.25	U	2.1	0.25
75-09-2	Methylene Chloride	0.70	U	2.1	0.70
179601-23-1	m-Xylene & p-Xylene	0.17	U	2.1	0.17
91-20-3	Naphthalene	0.22	U	2.1	0.22
104-51-8	n-Butylbenzene	0.17	U	2.1	0.17
103-65-1	N-Propylbenzene	0.51	U	2.1	0.51
95-47-6	o-Xylene	0.14	U	2.1	0.14
135-98-8	sec-Butylbenzene	0.13	U	2.1	0.13
100-42-5	Styrene	0.22	U	2.1	0.22
994-05-8	Tert-amyl methyl ether	0.35	U	2.1	0.35
637-92-3	Ethyl tert-butyl ether	0.13	U	2.1	0.13
127-18-4	Tetrachloroethene	0.22	U	2.1	0.22
108-88-3	Toluene	0.083	U	2.1	0.083
156-60-5	trans-1,2-Dichloroethene	0.22	U	2.1	0.22
10061-02-6	trans-1,3-Dichloropropene	0.22	U	2.1	0.22
79-01-6	Trichloroethene	0.32	U	2.1	0.32
75-69-4	Trichlorofluoromethane	0.29	U	2.1	0.29
108-05-4	Vinyl acetate	0.85	U	4.1	0.85
75-01-4	Vinyl chloride	0.14	U	2.1	0.14
1330-20-7	Xylenes, Total	0.27	U	4.1	0.27
98-06-6	tert-Butylbenzene	0.28	U	2.1	0.28
106-93-4	1,2-Dibromoethane	0.27	U	2.1	0.27

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL4S-050916 Lab Sample ID: 240-64634-11

Matrix: Solid Lab File ID: UX83710.D

Analysis Method: 8260B Date Collected: 05/09/2016 11:30

Sample wt/vol: 1.19(g) Date Analyzed: 05/14/2016 10:22

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 44.0 Level: (low/med) Medium

Analysis Batch No.: 230314 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	68		33-134
1868-53-7	Dibromofluoromethane (Surr)	57		30-122
460-00-4	4-Bromofluorobenzene (Surr)	60		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	70		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL4S-050916 | Lab Sample ID: 240-64634-11

Matrix: Solid | Lab File ID: UX83710.D

Analysis Method: 8260B | Date Collected: 05/09/2016 11:30

Sample wt/vol: 1.19(g) | Date Analyzed: 05/14/2016 10:22

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 44.0 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL4S-050916 | Lab Sample ID: 240-64634-11

Matrix: Solid | Lab File ID: UX83710.D

Analysis Method: 8260B | Date Collected: 05/09/2016 11:30

Sample wt/vol: 1.19(g) | Date Analyzed: 05/14/2016 10:22

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 44.0 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.60	2.1	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TLDUP2-050916 | Lab Sample ID: 240-64634-12

Matrix: Solid | Lab File ID: UX83711.D

Analysis Method: 8260B | Date Collected: 05/09/2016 07:30

Sample wt/vol: 1.02(g) | Date Analyzed: 05/14/2016 10:43

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 37.9 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.42	U	2.1	0.42
71-55-6	1,1,1-Trichloroethane	0.23	U	2.1	0.23
79-34-5	1,1,2,2-Tetrachloroethane	0.21	U	2.1	0.21
76-13-1	1,1,2-Trichlorotrifluoroethane	0.36	U	2.1	0.36
75-34-3	1,1-Dichloroethane	0.30	U	2.1	0.30
75-35-4	1,1-Dichloroethene	0.25	U	2.1	0.25
563-58-6	1,1-Dichloropropene	0.32	U	2.1	0.32
87-61-6	1,2,3-Trichlorobenzene	0.33	U	2.1	0.33
96-18-4	1,2,3-Trichloropropane	0.88	U	2.1	0.88
526-73-8	1,2,3-Trimethylbenzene	0.11	U	2.1	0.11
120-82-1	1,2,4-Trichlorobenzene	0.25	U	2.1	0.25
95-63-6	1,2,4-Trimethylbenzene	0.11	U	2.1	0.11
96-12-8	1,2-Dibromo-3-Chloropropane	0.60	U	4.2	0.60
95-50-1	1,2-Dichlorobenzene	0.16	U	2.1	0.16
107-06-2	1,2-Dichloroethane	0.085	U	2.1	0.085
78-87-5	1,2-Dichloropropane	0.27	U	2.1	0.27
541-73-1	1,3-Dichlorobenzene	0.25	U	2.1	0.25
142-28-9	1,3-Dichloropropane	0.20	U	2.1	0.20
106-46-7	1,4-Dichlorobenzene	0.35	U	2.1	0.35
594-20-7	2,2-Dichloropropane	0.44	U	2.1	0.44
78-93-3	2-Butanone (MEK)	0.62	U	8.5	0.62
110-75-8	2-Chloroethyl vinyl ether	0.66	U	8.5	0.66
95-49-8	2-Chlorotoluene	0.35	U	2.1	0.35
591-78-6	2-Hexanone	0.71	U	8.5	0.71
106-43-4	4-Chlorotoluene	0.22	U	2.1	0.22
99-87-6	4-Isopropyltoluene	0.21	U	2.1	0.21
108-10-1	4-Methyl-2-pentanone (MIBK)	0.48	U	8.5	0.48
67-64-1	Acetone	2.0	J	8.5	1.9
71-43-2	Benzene	0.076	U	2.1	0.076
108-86-1	Bromobenzene	0.11	U	2.1	0.11
75-25-2	Bromoform	0.52	U	2.1	0.52
74-83-9	Bromomethane	0.43	U	2.1	0.43
75-15-0	Carbon disulfide	0.48	U	2.1	0.48
56-23-5	Carbon tetrachloride	0.15	U	2.1	0.15
108-90-7	Chlorobenzene	0.11	U	2.1	0.11
124-48-1	Chlorodibromomethane	0.17	U	2.1	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TLDUP2-050916 | Lab Sample ID: 240-64634-12

Matrix: Solid | Lab File ID: UX83711.D

Analysis Method: 8260B | Date Collected: 05/09/2016 07:30

Sample wt/vol: 1.02(g) | Date Analyzed: 05/14/2016 10:43

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 37.9 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.43	U	2.1	0.43
67-66-3	Chloroform	0.31	U	2.1	0.31
74-87-3	Chloromethane	0.41	U	2.1	0.41
156-59-2	cis-1,2-Dichloroethene	0.32	U	2.1	0.32
10061-01-5	cis-1,3-Dichloropropene	0.19	U	2.1	0.19
74-95-3	Dibromomethane	0.42	U	2.1	0.42
74-97-5	Bromochloromethane	0.59	U	2.1	0.59
75-71-8	Dichlorodifluoromethane	0.52	U	2.1	0.52
75-27-4	Bromodichloromethane	0.32	U	2.1	0.32
75-65-0	tert-Butyl alcohol	7.1	U *	85	7.1
100-41-4	Ethylbenzene	0.30	U	2.1	0.30
87-68-3	Hexachlorobutadiene	0.37	U	2.1	0.37
108-20-3	Diisopropyl ether	0.44	U	4.2	0.44
98-82-8	Isopropylbenzene	0.11	U	2.1	0.11
1634-04-4	Methyl tert-butyl ether	0.25	U	2.1	0.25
75-09-2	Methylene Chloride	0.72	U	2.1	0.72
179601-23-1	m-Xylene & p-Xylene	0.17	U	2.1	0.17
91-20-3	Naphthalene	0.22	U	2.1	0.22
104-51-8	n-Butylbenzene	0.18	U	2.1	0.18
103-65-1	N-Propylbenzene	0.52	U	2.1	0.52
95-47-6	o-Xylene	0.14	U	2.1	0.14
135-98-8	sec-Butylbenzene	0.14	U	2.1	0.14
100-42-5	Styrene	0.23	U	2.1	0.23
994-05-8	Tert-amyl methyl ether	0.36	U	2.1	0.36
637-92-3	Ethyl tert-butyl ether	0.14	U	2.1	0.14
127-18-4	Tetrachloroethene	0.23	U	2.1	0.23
108-88-3	Toluene	0.085	U	2.1	0.085
156-60-5	trans-1,2-Dichloroethene	0.22	U	2.1	0.22
10061-02-6	trans-1,3-Dichloropropene	0.22	U	2.1	0.22
79-01-6	Trichloroethene	0.33	U	2.1	0.33
75-69-4	Trichlorofluoromethane	0.30	U	2.1	0.30
108-05-4	Vinyl acetate	0.88	U	4.2	0.88
75-01-4	Vinyl chloride	0.14	U	2.1	0.14
1330-20-7	Xylenes, Total	0.27	U	4.2	0.27
98-06-6	tert-Butylbenzene	0.29	U	2.1	0.29
106-93-4	1,2-Dibromoethane	0.27	U	2.1	0.27

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TLDUP2-050916 Lab Sample ID: 240-64634-12

Matrix: Solid Lab File ID: UX83711.D

Analysis Method: 8260B Date Collected: 05/09/2016 07:30

Sample wt/vol: 1.02(g) Date Analyzed: 05/14/2016 10:43

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 37.9 Level: (low/med) Medium

Analysis Batch No.: 230314 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	71		33-134
1868-53-7	Dibromofluoromethane (Surr)	60		30-122
460-00-4	4-Bromofluorobenzene (Surr)	63		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	72		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TLDUP2-050916 | Lab Sample ID: 240-64634-12

Matrix: Solid | Lab File ID: UX83711.D

Analysis Method: 8260B | Date Collected: 05/09/2016 07:30

Sample wt/vol: 1.02(g) | Date Analyzed: 05/14/2016 10:43

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 37.9 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TLDUP2-050916 | Lab Sample ID: 240-64634-12

Matrix: Solid | Lab File ID: UX83711.D

Analysis Method: 8260B | Date Collected: 05/09/2016 07:30

Sample wt/vol: 1.02(g) | Date Analyzed: 05/14/2016 10:43

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 37.9 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.60	2.1	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL10S-050916 | Lab Sample ID: 240-64634-13

Matrix: Solid | Lab File ID: UX83712.D

Analysis Method: 8260B | Date Collected: 05/09/2016 12:30

Sample wt/vol: 1.07(g) | Date Analyzed: 05/14/2016 11:04

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 47.6 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.48	U	2.5	0.48
71-55-6	1,1,1-Trichloroethane	0.27	U	2.5	0.27
79-34-5	1,1,2,2-Tetrachloroethane	0.25	U	2.5	0.25
76-13-1	1,1,2-Trichlorotrifluoroethane	0.41	U	2.5	0.41
75-34-3	1,1-Dichloroethane	0.34	U	2.5	0.34
75-35-4	1,1-Dichloroethene	0.30	U	2.5	0.30
563-58-6	1,1-Dichloropropene	0.37	U	2.5	0.37
87-61-6	1,2,3-Trichlorobenzene	0.38	U	2.5	0.38
96-18-4	1,2,3-Trichloropropane	1.0	U	2.5	1.0
526-73-8	1,2,3-Trimethylbenzene	0.13	U	2.5	0.13
120-82-1	1,2,4-Trichlorobenzene	0.30	U	2.5	0.30
95-63-6	1,2,4-Trimethylbenzene	0.13	U	2.5	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	0.70	U	4.9	0.70
95-50-1	1,2-Dichlorobenzene	0.19	U	2.5	0.19
107-06-2	1,2-Dichloroethane	0.098	U	2.5	0.098
78-87-5	1,2-Dichloropropane	0.31	U	2.5	0.31
541-73-1	1,3-Dichlorobenzene	0.30	U	2.5	0.30
142-28-9	1,3-Dichloropropane	0.23	U	2.5	0.23
106-46-7	1,4-Dichlorobenzene	0.40	U	2.5	0.40
594-20-7	2,2-Dichloropropane	0.51	U	2.5	0.51
78-93-3	2-Butanone (MEK)	0.72	U	9.8	0.72
110-75-8	2-Chloroethyl vinyl ether	0.77	U	9.8	0.77
95-49-8	2-Chlorotoluene	0.40	U	2.5	0.40
591-78-6	2-Hexanone	0.83	U	9.8	0.83
106-43-4	4-Chlorotoluene	0.26	U	2.5	0.26
99-87-6	4-Isopropyltoluene	0.25	U	2.5	0.25
108-10-1	4-Methyl-2-pentanone (MIBK)	0.55	U	9.8	0.55
67-64-1	Acetone	2.2	J	9.8	2.2
71-43-2	Benzene	0.089	U	2.5	0.089
108-86-1	Bromobenzene	0.13	U	2.5	0.13
75-25-2	Bromoform	0.60	U	2.5	0.60
74-83-9	Bromomethane	0.50	U	2.5	0.50
75-15-0	Carbon disulfide	0.55	U	2.5	0.55
56-23-5	Carbon tetrachloride	0.18	U	2.5	0.18
108-90-7	Chlorobenzene	0.13	U	2.5	0.13
124-48-1	Chlorodibromomethane	0.20	U	2.5	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL10S-050916 | Lab Sample ID: 240-64634-13

Matrix: Solid | Lab File ID: UX83712.D

Analysis Method: 8260B | Date Collected: 05/09/2016 12:30

Sample wt/vol: 1.07(g) | Date Analyzed: 05/14/2016 11:04

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 47.6 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.50	U	2.5	0.50
67-66-3	Chloroform	0.35	U	2.5	0.35
74-87-3	Chloromethane	0.47	U	2.5	0.47
156-59-2	cis-1,2-Dichloroethene	0.37	U	2.5	0.37
10061-01-5	cis-1,3-Dichloropropene	0.22	U	2.5	0.22
74-95-3	Dibromomethane	0.49	U	2.5	0.49
74-97-5	Bromochloromethane	0.69	U	2.5	0.69
75-71-8	Dichlorodifluoromethane	0.60	U	2.5	0.60
75-27-4	Bromodichloromethane	0.37	U	2.5	0.37
75-65-0	tert-Butyl alcohol	8.2	U *	98	8.2
100-41-4	Ethylbenzene	0.34	U	2.5	0.34
87-68-3	Hexachlorobutadiene	0.43	U	2.5	0.43
108-20-3	Diisopropyl ether	0.51	U	4.9	0.51
98-82-8	Isopropylbenzene	0.13	U	2.5	0.13
1634-04-4	Methyl tert-butyl ether	0.30	U	2.5	0.30
75-09-2	Methylene Chloride	0.84	U	2.5	0.84
179601-23-1	m-Xylene & p-Xylene	0.20	U	2.5	0.20
91-20-3	Naphthalene	0.26	U	2.5	0.26
104-51-8	n-Butylbenzene	0.21	U	2.5	0.21
103-65-1	N-Propylbenzene	0.60	U	2.5	0.60
95-47-6	o-Xylene	0.17	U	2.5	0.17
135-98-8	sec-Butylbenzene	0.16	U	2.5	0.16
100-42-5	Styrene	0.27	U	2.5	0.27
994-05-8	Tert-amyl methyl ether	0.41	U	2.5	0.41
637-92-3	Ethyl tert-butyl ether	0.16	U	2.5	0.16
127-18-4	Tetrachloroethene	0.27	U	2.5	0.27
108-88-3	Toluene	0.098	U	2.5	0.098
156-60-5	trans-1,2-Dichloroethene	0.26	U	2.5	0.26
10061-02-6	trans-1,3-Dichloropropene	0.26	U	2.5	0.26
79-01-6	Trichloroethene	0.38	U	2.5	0.38
75-69-4	Trichlorofluoromethane	0.34	U	2.5	0.34
108-05-4	Vinyl acetate	1.0	U	4.9	1.0
75-01-4	Vinyl chloride	0.17	U	2.5	0.17
1330-20-7	Xylenes, Total	0.31	U	4.9	0.31
98-06-6	tert-Butylbenzene	0.33	U	2.5	0.33
106-93-4	1,2-Dibromoethane	0.31	U	2.5	0.31

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL10S-050916 Lab Sample ID: 240-64634-13

Matrix: Solid Lab File ID: UX83712.D

Analysis Method: 8260B Date Collected: 05/09/2016 12:30

Sample wt/vol: 1.07(g) Date Analyzed: 05/14/2016 11:04

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 47.6 Level: (low/med) Medium

Analysis Batch No.: 230314 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	70		33-134
1868-53-7	Dibromofluoromethane (Surr)	57		30-122
460-00-4	4-Bromofluorobenzene (Surr)	61		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	69		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL10S-050916 | Lab Sample ID: 240-64634-13

Matrix: Solid | Lab File ID: UX83712.D

Analysis Method: 8260B | Date Collected: 05/09/2016 12:30

Sample wt/vol: 1.07(g) | Date Analyzed: 05/14/2016 11:04

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 47.6 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL10S-050916 | Lab Sample ID: 240-64634-13

Matrix: Solid | Lab File ID: UX83712.D

Analysis Method: 8260B | Date Collected: 05/09/2016 12:30

Sample wt/vol: 1.07(g) | Date Analyzed: 05/14/2016 11:04

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 47.6 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.60	2.5	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL10N-050916 | Lab Sample ID: 240-64634-14

Matrix: Solid | Lab File ID: UX83713.D

Analysis Method: 8260B | Date Collected: 05/09/2016 12:00

Sample wt/vol: 1.34(g) | Date Analyzed: 05/14/2016 11:25

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 47.3 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.39	U	2.0	0.39
71-55-6	1,1,1-Trichloroethane	0.22	U	2.0	0.22
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	2.0	0.20
76-13-1	1,1,2-Trichlorotrifluoroethane	0.33	U	2.0	0.33
75-34-3	1,1-Dichloroethane	0.28	U	2.0	0.28
75-35-4	1,1-Dichloroethene	0.24	U	2.0	0.24
563-58-6	1,1-Dichloropropene	0.30	U	2.0	0.30
87-61-6	1,2,3-Trichlorobenzene	0.31	U	2.0	0.31
96-18-4	1,2,3-Trichloropropane	0.82	U	2.0	0.82
526-73-8	1,2,3-Trimethylbenzene	0.10	U	2.0	0.10
120-82-1	1,2,4-Trichlorobenzene	0.24	U	2.0	0.24
95-63-6	1,2,4-Trimethylbenzene	0.10	U	2.0	0.10
96-12-8	1,2-Dibromo-3-Chloropropane	0.57	U	4.0	0.57
95-50-1	1,2-Dichlorobenzene	0.15	U	2.0	0.15
107-06-2	1,2-Dichloroethane	0.080	U	2.0	0.080
78-87-5	1,2-Dichloropropane	0.26	U	2.0	0.26
541-73-1	1,3-Dichlorobenzene	0.24	U	2.0	0.24
142-28-9	1,3-Dichloropropane	0.18	U	2.0	0.18
106-46-7	1,4-Dichlorobenzene	0.33	U	2.0	0.33
594-20-7	2,2-Dichloropropane	0.41	U	2.0	0.41
78-93-3	2-Butanone (MEK)	0.58	U	8.0	0.58
110-75-8	2-Chloroethyl vinyl ether	0.62	U	8.0	0.62
95-49-8	2-Chlorotoluene	0.33	U	2.0	0.33
591-78-6	2-Hexanone	0.67	U	8.0	0.67
106-43-4	4-Chlorotoluene	0.21	U	2.0	0.21
99-87-6	4-Isopropyltoluene	0.20	U	2.0	0.20
108-10-1	4-Methyl-2-pentanone (MIBK)	0.45	U	8.0	0.45
67-64-1	Acetone	1.9	J	8.0	1.8
71-43-2	Benzene	0.072	U	2.0	0.072
108-86-1	Bromobenzene	0.10	U	2.0	0.10
75-25-2	Bromoform	0.49	U	2.0	0.49
74-83-9	Bromomethane	0.41	U	2.0	0.41
75-15-0	Carbon disulfide	0.45	U	2.0	0.45
56-23-5	Carbon tetrachloride	0.14	U	2.0	0.14
108-90-7	Chlorobenzene	0.10	U	2.0	0.10
124-48-1	Chlorodibromomethane	0.16	U	2.0	0.16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL10N-050916 | Lab Sample ID: 240-64634-14

Matrix: Solid | Lab File ID: UX83713.D

Analysis Method: 8260B | Date Collected: 05/09/2016 12:00

Sample wt/vol: 1.34(g) | Date Analyzed: 05/14/2016 11:25

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 47.3 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.41	U	2.0	0.41
67-66-3	Chloroform	0.29	U	2.0	0.29
74-87-3	Chloromethane	0.38	U	2.0	0.38
156-59-2	cis-1,2-Dichloroethene	0.30	U	2.0	0.30
10061-01-5	cis-1,3-Dichloropropene	0.18	U	2.0	0.18
74-95-3	Dibromomethane	0.40	U	2.0	0.40
74-97-5	Bromochloromethane	0.56	U	2.0	0.56
75-71-8	Dichlorodifluoromethane	0.49	U	2.0	0.49
75-27-4	Bromodichloromethane	0.30	U	2.0	0.30
75-65-0	tert-Butyl alcohol	6.7	U *	80	6.7
100-41-4	Ethylbenzene	0.28	U	2.0	0.28
87-68-3	Hexachlorobutadiene	0.35	U	2.0	0.35
108-20-3	Diisopropyl ether	0.41	U	4.0	0.41
98-82-8	Isopropylbenzene	0.10	U	2.0	0.10
1634-04-4	Methyl tert-butyl ether	0.24	U	2.0	0.24
75-09-2	Methylene Chloride	0.68	U	2.0	0.68
179601-23-1	m-Xylene & p-Xylene	0.16	U	2.0	0.16
91-20-3	Naphthalene	0.21	U	2.0	0.21
104-51-8	n-Butylbenzene	0.17	U	2.0	0.17
103-65-1	N-Propylbenzene	0.49	U	2.0	0.49
95-47-6	o-Xylene	0.14	U	2.0	0.14
135-98-8	sec-Butylbenzene	0.13	U	2.0	0.13
100-42-5	Styrene	0.22	U	2.0	0.22
994-05-8	Tert-amyl methyl ether	0.33	U	2.0	0.33
637-92-3	Ethyl tert-butyl ether	0.13	U	2.0	0.13
127-18-4	Tetrachloroethene	0.22	U	2.0	0.22
108-88-3	Toluene	0.080	U	2.0	0.080
156-60-5	trans-1,2-Dichloroethene	0.21	U	2.0	0.21
10061-02-6	trans-1,3-Dichloropropene	0.21	U	2.0	0.21
79-01-6	Trichloroethene	0.31	U	2.0	0.31
75-69-4	Trichlorofluoromethane	0.28	U	2.0	0.28
108-05-4	Vinyl acetate	0.82	U	4.0	0.82
75-01-4	Vinyl chloride	0.14	U	2.0	0.14
1330-20-7	Xylenes, Total	0.26	U	4.0	0.26
98-06-6	tert-Butylbenzene	0.27	U	2.0	0.27
106-93-4	1,2-Dibromoethane	0.26	U	2.0	0.26

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL10N-050916 Lab Sample ID: 240-64634-14

Matrix: Solid Lab File ID: UX83713.D

Analysis Method: 8260B Date Collected: 05/09/2016 12:00

Sample wt/vol: 1.34(g) Date Analyzed: 05/14/2016 11:25

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 47.3 Level: (low/med) Medium

Analysis Batch No.: 230314 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	72		33-134
1868-53-7	Dibromofluoromethane (Surr)	59		30-122
460-00-4	4-Bromofluorobenzene (Surr)	65		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	73		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL10N-050916 | Lab Sample ID: 240-64634-14

Matrix: Solid | Lab File ID: UX83713.D

Analysis Method: 8260B | Date Collected: 05/09/2016 12:00

Sample wt/vol: 1.34(g) | Date Analyzed: 05/14/2016 11:25

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 47.3 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL10N-050916 | Lab Sample ID: 240-64634-14

Matrix: Solid | Lab File ID: UX83713.D

Analysis Method: 8260B | Date Collected: 05/09/2016 12:00

Sample wt/vol: 1.34(g) | Date Analyzed: 05/14/2016 11:25

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 47.3 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.60	2.0	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL9N-050916 | Lab Sample ID: 240-64634-15

Matrix: Solid | Lab File ID: UX83714.D

Analysis Method: 8260B | Date Collected: 05/09/2016 12:45

Sample wt/vol: 1.06(g) | Date Analyzed: 05/14/2016 11:47

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 43.2 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.44	U	2.3	0.44
71-55-6	1,1,1-Trichloroethane	0.24	U	2.3	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.23	U	2.3	0.23
76-13-1	1,1,2-Trichlorotrifluoroethane	0.38	U	2.3	0.38
75-34-3	1,1-Dichloroethane	0.32	U	2.3	0.32
75-35-4	1,1-Dichloroethene	0.27	U	2.3	0.27
563-58-6	1,1-Dichloropropene	0.34	U	2.3	0.34
87-61-6	1,2,3-Trichlorobenzene	0.35	U	2.3	0.35
96-18-4	1,2,3-Trichloropropane	0.93	U	2.3	0.93
526-73-8	1,2,3-Trimethylbenzene	0.12	U	2.3	0.12
120-82-1	1,2,4-Trichlorobenzene	0.27	U	2.3	0.27
95-63-6	1,2,4-Trimethylbenzene	0.12	U	2.3	0.12
96-12-8	1,2-Dibromo-3-Chloropropane	0.64	U	4.5	0.64
95-50-1	1,2-Dichlorobenzene	0.17	U	2.3	0.17
107-06-2	1,2-Dichloroethane	0.091	U	2.3	0.091
78-87-5	1,2-Dichloropropane	0.29	U	2.3	0.29
541-73-1	1,3-Dichlorobenzene	0.27	U	2.3	0.27
142-28-9	1,3-Dichloropropane	0.21	U	2.3	0.21
106-46-7	1,4-Dichlorobenzene	0.37	U	2.3	0.37
594-20-7	2,2-Dichloropropane	0.47	U	2.3	0.47
78-93-3	2-Butanone (MEK)	0.66	U	9.1	0.66
110-75-8	2-Chloroethyl vinyl ether	0.71	U	9.1	0.71
95-49-8	2-Chlorotoluene	0.37	U	2.3	0.37
591-78-6	2-Hexanone	0.76	U	9.1	0.76
106-43-4	4-Chlorotoluene	0.24	U	2.3	0.24
99-87-6	4-Isopropyltoluene	0.23	U	2.3	0.23
108-10-1	4-Methyl-2-pentanone (MIBK)	0.51	U	9.1	0.51
67-64-1	Acetone	2.1	J	9.1	2.0
71-43-2	Benzene	0.082	U	2.3	0.082
108-86-1	Bromobenzene	0.12	U	2.3	0.12
75-25-2	Bromoform	0.55	U	2.3	0.55
74-83-9	Bromomethane	0.46	U	2.3	0.46
75-15-0	Carbon disulfide	0.51	U	2.3	0.51
56-23-5	Carbon tetrachloride	0.16	U	2.3	0.16
108-90-7	Chlorobenzene	0.12	U	2.3	0.12
124-48-1	Chlorodibromomethane	0.18	U	2.3	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL9N-050916 | Lab Sample ID: 240-64634-15

Matrix: Solid | Lab File ID: UX83714.D

Analysis Method: 8260B | Date Collected: 05/09/2016 12:45

Sample wt/vol: 1.06(g) | Date Analyzed: 05/14/2016 11:47

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 43.2 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.46	U	2.3	0.46
67-66-3	Chloroform	0.33	U	2.3	0.33
74-87-3	Chloromethane	0.43	U	2.3	0.43
156-59-2	cis-1,2-Dichloroethene	0.34	U	2.3	0.34
10061-01-5	cis-1,3-Dichloropropene	0.20	U	2.3	0.20
74-95-3	Dibromomethane	0.45	U	2.3	0.45
74-97-5	Bromochloromethane	0.63	U	2.3	0.63
75-71-8	Dichlorodifluoromethane	0.55	U	2.3	0.55
75-27-4	Bromodichloromethane	0.34	U	2.3	0.34
75-65-0	tert-Butyl alcohol	7.6	U *	91	7.6
100-41-4	Ethylbenzene	0.32	U	2.3	0.32
87-68-3	Hexachlorobutadiene	0.40	U	2.3	0.40
108-20-3	Diisopropyl ether	0.47	U	4.5	0.47
98-82-8	Isopropylbenzene	0.12	U	2.3	0.12
1634-04-4	Methyl tert-butyl ether	0.27	U	2.3	0.27
75-09-2	Methylene Chloride	0.77	U	2.3	0.77
179601-23-1	m-Xylene & p-Xylene	0.18	U	2.3	0.18
91-20-3	Naphthalene	0.24	U	2.3	0.24
104-51-8	n-Butylbenzene	0.19	U	2.3	0.19
103-65-1	N-Propylbenzene	0.55	U	2.3	0.55
95-47-6	o-Xylene	0.15	U	2.3	0.15
135-98-8	sec-Butylbenzene	0.14	U	2.3	0.14
100-42-5	Styrene	0.24	U	2.3	0.24
994-05-8	Tert-amyl methyl ether	0.38	U	2.3	0.38
637-92-3	Ethyl tert-butyl ether	0.14	U	2.3	0.14
127-18-4	Tetrachloroethene	0.24	U	2.3	0.24
108-88-3	Toluene	0.091	U	2.3	0.091
156-60-5	trans-1,2-Dichloroethene	0.24	U	2.3	0.24
10061-02-6	trans-1,3-Dichloropropene	0.24	U	2.3	0.24
79-01-6	Trichloroethene	0.35	U	2.3	0.35
75-69-4	Trichlorofluoromethane	0.32	U	2.3	0.32
108-05-4	Vinyl acetate	0.93	U	4.5	0.93
75-01-4	Vinyl chloride	0.15	U	2.3	0.15
1330-20-7	Xylenes, Total	0.29	U	4.5	0.29
98-06-6	tert-Butylbenzene	0.31	U	2.3	0.31
106-93-4	1,2-Dibromoethane	0.29	U	2.3	0.29

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL9N-050916 Lab Sample ID: 240-64634-15

Matrix: Solid Lab File ID: UX83714.D

Analysis Method: 8260B Date Collected: 05/09/2016 12:45

Sample wt/vol: 1.06(g) Date Analyzed: 05/14/2016 11:47

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 43.2 Level: (low/med) Medium

Analysis Batch No.: 230314 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	71		33-134
1868-53-7	Dibromofluoromethane (Surr)	59		30-122
460-00-4	4-Bromofluorobenzene (Surr)	63		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	77		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL9N-050916 | Lab Sample ID: 240-64634-15

Matrix: Solid | Lab File ID: UX83714.D

Analysis Method: 8260B | Date Collected: 05/09/2016 12:45

Sample wt/vol: 1.06(g) | Date Analyzed: 05/14/2016 11:47

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 43.2 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL9N-050916 | Lab Sample ID: 240-64634-15

Matrix: Solid | Lab File ID: UX83714.D

Analysis Method: 8260B | Date Collected: 05/09/2016 12:45

Sample wt/vol: 1.06(g) | Date Analyzed: 05/14/2016 11:47

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 43.2 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.60	2.3	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL9S-050916 | Lab Sample ID: 240-64634-16

Matrix: Solid | Lab File ID: UX83715.D

Analysis Method: 8260B | Date Collected: 05/09/2016 13:00

Sample wt/vol: 1.08(g) | Date Analyzed: 05/14/2016 12:08

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 41.8 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.42	U	2.2	0.42
71-55-6	1,1,1-Trichloroethane	0.23	U	2.2	0.23
79-34-5	1,1,2,2-Tetrachloroethane	0.22	U	2.2	0.22
76-13-1	1,1,2-Trichlorotrifluoroethane	0.36	U	2.2	0.36
75-34-3	1,1-Dichloroethane	0.30	U	2.2	0.30
75-35-4	1,1-Dichloroethene	0.26	U	2.2	0.26
563-58-6	1,1-Dichloropropene	0.33	U	2.2	0.33
87-61-6	1,2,3-Trichlorobenzene	0.34	U	2.2	0.34
96-18-4	1,2,3-Trichloropropane	0.89	U	2.2	0.89
526-73-8	1,2,3-Trimethylbenzene	0.11	U	2.2	0.11
120-82-1	1,2,4-Trichlorobenzene	0.26	U	2.2	0.26
95-63-6	1,2,4-Trimethylbenzene	0.11	U	2.2	0.11
96-12-8	1,2-Dibromo-3-Chloropropane	0.62	U	4.3	0.62
95-50-1	1,2-Dichlorobenzene	0.16	U	2.2	0.16
107-06-2	1,2-Dichloroethane	0.087	U	2.2	0.087
78-87-5	1,2-Dichloropropane	0.28	U	2.2	0.28
541-73-1	1,3-Dichlorobenzene	0.26	U	2.2	0.26
142-28-9	1,3-Dichloropropane	0.20	U	2.2	0.20
106-46-7	1,4-Dichlorobenzene	0.36	U	2.2	0.36
594-20-7	2,2-Dichloropropane	0.45	U	2.2	0.45
78-93-3	2-Butanone (MEK)	0.63	U	8.7	0.63
110-75-8	2-Chloroethyl vinyl ether	0.68	U	8.7	0.68
95-49-8	2-Chlorotoluene	0.36	U	2.2	0.36
591-78-6	2-Hexanone	0.73	U	8.7	0.73
106-43-4	4-Chlorotoluene	0.23	U	2.2	0.23
99-87-6	4-Isopropyltoluene	0.22	U	2.2	0.22
108-10-1	4-Methyl-2-pentanone (MIBK)	0.49	U	8.7	0.49
67-64-1	Acetone	2.0	U	8.7	2.0
71-43-2	Benzene	0.078	U	2.2	0.078
108-86-1	Bromobenzene	0.11	U	2.2	0.11
75-25-2	Bromoform	0.53	U	2.2	0.53
74-83-9	Bromomethane	0.44	U	2.2	0.44
75-15-0	Carbon disulfide	0.49	U	2.2	0.49
56-23-5	Carbon tetrachloride	0.16	U	2.2	0.16
108-90-7	Chlorobenzene	0.11	U	2.2	0.11
124-48-1	Chlorodibromomethane	0.17	U	2.2	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL9S-050916 | Lab Sample ID: 240-64634-16

Matrix: Solid | Lab File ID: UX83715.D

Analysis Method: 8260B | Date Collected: 05/09/2016 13:00

Sample wt/vol: 1.08(g) | Date Analyzed: 05/14/2016 12:08

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 41.8 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.44	U	2.2	0.44
67-66-3	Chloroform	0.31	U	2.2	0.31
74-87-3	Chloromethane	0.42	U	2.2	0.42
156-59-2	cis-1,2-Dichloroethene	0.33	U	2.2	0.33
10061-01-5	cis-1,3-Dichloropropene	0.19	U	2.2	0.19
74-95-3	Dibromomethane	0.43	U	2.2	0.43
74-97-5	Bromochloromethane	0.61	U	2.2	0.61
75-71-8	Dichlorodifluoromethane	0.53	U	2.2	0.53
75-27-4	Bromodichloromethane	0.33	U	2.2	0.33
75-65-0	tert-Butyl alcohol	7.3	U *	87	7.3
100-41-4	Ethylbenzene	0.30	U	2.2	0.30
87-68-3	Hexachlorobutadiene	0.38	U	2.2	0.38
108-20-3	Diisopropyl ether	0.45	U	4.3	0.45
98-82-8	Isopropylbenzene	0.11	U	2.2	0.11
1634-04-4	Methyl tert-butyl ether	0.26	U	2.2	0.26
75-09-2	Methylene Chloride	0.74	U	2.2	0.74
179601-23-1	m-Xylene & p-Xylene	0.17	U	2.2	0.17
91-20-3	Naphthalene	0.23	U	2.2	0.23
104-51-8	n-Butylbenzene	0.18	U	2.2	0.18
103-65-1	N-Propylbenzene	0.53	U	2.2	0.53
95-47-6	o-Xylene	0.15	U	2.2	0.15
135-98-8	sec-Butylbenzene	0.14	U	2.2	0.14
100-42-5	Styrene	0.23	U	2.2	0.23
994-05-8	Tert-amyl methyl ether	0.36	U	2.2	0.36
637-92-3	Ethyl tert-butyl ether	0.14	U	2.2	0.14
127-18-4	Tetrachloroethene	0.23	U	2.2	0.23
108-88-3	Toluene	0.087	U	2.2	0.087
156-60-5	trans-1,2-Dichloroethene	0.23	U	2.2	0.23
10061-02-6	trans-1,3-Dichloropropene	0.23	U	2.2	0.23
79-01-6	Trichloroethene	0.34	U	2.2	0.34
75-69-4	Trichlorofluoromethane	0.30	U	2.2	0.30
108-05-4	Vinyl acetate	0.89	U	4.3	0.89
75-01-4	Vinyl chloride	0.15	U	2.2	0.15
1330-20-7	Xylenes, Total	0.28	U	4.3	0.28
98-06-6	tert-Butylbenzene	0.29	U	2.2	0.29
106-93-4	1,2-Dibromoethane	0.28	U	2.2	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL9S-050916 Lab Sample ID: 240-64634-16

Matrix: Solid Lab File ID: UX83715.D

Analysis Method: 8260B Date Collected: 05/09/2016 13:00

Sample wt/vol: 1.08(g) Date Analyzed: 05/14/2016 12:08

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 41.8 Level: (low/med) Medium

Analysis Batch No.: 230314 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	66		33-134
1868-53-7	Dibromofluoromethane (Surr)	54		30-122
460-00-4	4-Bromofluorobenzene (Surr)	58		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	66		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL9S-050916 | Lab Sample ID: 240-64634-16

Matrix: Solid | Lab File ID: UX83715.D

Analysis Method: 8260B | Date Collected: 05/09/2016 13:00

Sample wt/vol: 1.08(g) | Date Analyzed: 05/14/2016 12:08

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 41.8 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL9S-050916 | Lab Sample ID: 240-64634-16

Matrix: Solid | Lab File ID: UX83715.D

Analysis Method: 8260B | Date Collected: 05/09/2016 13:00

Sample wt/vol: 1.08(g) | Date Analyzed: 05/14/2016 12:08

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 41.8 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.59	2.2	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL12N-050916 | Lab Sample ID: 240-64634-17

Matrix: Solid | Lab File ID: UX83716.D

Analysis Method: 8260B | Date Collected: 05/09/2016 13:15

Sample wt/vol: 1.51(g) | Date Analyzed: 05/14/2016 12:29

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 47.6 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.35	U	1.8	0.35
71-55-6	1,1,1-Trichloroethane	0.19	U	1.8	0.19
79-34-5	1,1,2,2-Tetrachloroethane	0.18	U	1.8	0.18
76-13-1	1,1,2-Trichlorotrifluoroethane	0.30	U	1.8	0.30
75-34-3	1,1-Dichloroethane	0.25	U	1.8	0.25
75-35-4	1,1-Dichloroethene	0.22	U	1.8	0.22
563-58-6	1,1-Dichloropropene	0.27	U	1.8	0.27
87-61-6	1,2,3-Trichlorobenzene	0.28	U	1.8	0.28
96-18-4	1,2,3-Trichloropropane	0.74	U	1.8	0.74
526-73-8	1,2,3-Trimethylbenzene	0.094	U	1.8	0.094
120-82-1	1,2,4-Trichlorobenzene	0.22	U	1.8	0.22
95-63-6	1,2,4-Trimethylbenzene	0.094	U	1.8	0.094
96-12-8	1,2-Dibromo-3-Chloropropane	0.51	U	3.6	0.51
95-50-1	1,2-Dichlorobenzene	0.14	U	1.8	0.14
107-06-2	1,2-Dichloroethane	0.072	U	1.8	0.072
78-87-5	1,2-Dichloropropane	0.23	U	1.8	0.23
541-73-1	1,3-Dichlorobenzene	0.22	U	1.8	0.22
142-28-9	1,3-Dichloropropane	0.17	U	1.8	0.17
106-46-7	1,4-Dichlorobenzene	0.30	U	1.8	0.30
594-20-7	2,2-Dichloropropane	0.38	U	1.8	0.38
78-93-3	2-Butanone (MEK)	0.53	U	7.2	0.53
110-75-8	2-Chloroethyl vinyl ether	0.56	U	7.2	0.56
95-49-8	2-Chlorotoluene	0.30	U	1.8	0.30
591-78-6	2-Hexanone	0.61	U	7.2	0.61
106-43-4	4-Chlorotoluene	0.19	U	1.8	0.19
99-87-6	4-Isopropyltoluene	0.18	U	1.8	0.18
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	U	7.2	0.40
67-64-1	Acetone	1.6	J	7.2	1.6
71-43-2	Benzene	0.065	U	1.8	0.065
108-86-1	Bromobenzene	0.094	U	1.8	0.094
75-25-2	Bromoform	0.44	U	1.8	0.44
74-83-9	Bromomethane	0.37	U	1.8	0.37
75-15-0	Carbon disulfide	0.40	U	1.8	0.40
56-23-5	Carbon tetrachloride	0.13	U	1.8	0.13
108-90-7	Chlorobenzene	0.094	U	1.8	0.094
124-48-1	Chlorodibromomethane	0.14	U	1.8	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL12N-050916 | Lab Sample ID: 240-64634-17

Matrix: Solid | Lab File ID: UX83716.D

Analysis Method: 8260B | Date Collected: 05/09/2016 13:15

Sample wt/vol: 1.51(g) | Date Analyzed: 05/14/2016 12:29

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 47.6 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.37	U	1.8	0.37
67-66-3	Chloroform	0.26	U	1.8	0.26
74-87-3	Chloromethane	0.35	U	1.8	0.35
156-59-2	cis-1,2-Dichloroethene	0.27	U	1.8	0.27
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.8	0.16
74-95-3	Dibromomethane	0.36	U	1.8	0.36
74-97-5	Bromochloromethane	0.51	U	1.8	0.51
75-71-8	Dichlorodifluoromethane	0.44	U	1.8	0.44
75-27-4	Bromodichloromethane	0.27	U	1.8	0.27
75-65-0	tert-Butyl alcohol	6.0	U *	72	6.0
100-41-4	Ethylbenzene	0.25	U	1.8	0.25
87-68-3	Hexachlorobutadiene	0.32	U	1.8	0.32
108-20-3	Diisopropyl ether	0.38	U	3.6	0.38
98-82-8	Isopropylbenzene	0.094	U	1.8	0.094
1634-04-4	Methyl tert-butyl ether	0.22	U	1.8	0.22
75-09-2	Methylene Chloride	0.61	U	1.8	0.61
179601-23-1	m-Xylene & p-Xylene	0.14	U	1.8	0.14
91-20-3	Naphthalene	0.19	U	1.8	0.19
104-51-8	n-Butylbenzene	0.15	U	1.8	0.15
103-65-1	N-Propylbenzene	0.44	U	1.8	0.44
95-47-6	o-Xylene	0.12	U	1.8	0.12
135-98-8	sec-Butylbenzene	0.12	U	1.8	0.12
100-42-5	Styrene	0.19	U	1.8	0.19
994-05-8	Tert-amyl methyl ether	0.30	U	1.8	0.30
637-92-3	Ethyl tert-butyl ether	0.12	U	1.8	0.12
127-18-4	Tetrachloroethene	0.19	U	1.8	0.19
108-88-3	Toluene	0.072	U	1.8	0.072
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.8	0.19
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.8	0.19
79-01-6	Trichloroethene	0.28	U	1.8	0.28
75-69-4	Trichlorofluoromethane	0.25	U	1.8	0.25
108-05-4	Vinyl acetate	0.74	U	3.6	0.74
75-01-4	Vinyl chloride	0.12	U	1.8	0.12
1330-20-7	Xylenes, Total	0.23	U	3.6	0.23
98-06-6	tert-Butylbenzene	0.25	U	1.8	0.25
106-93-4	1,2-Dibromoethane	0.23	U	1.8	0.23

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL12N-050916 Lab Sample ID: 240-64634-17

Matrix: Solid Lab File ID: UX83716.D

Analysis Method: 8260B Date Collected: 05/09/2016 13:15

Sample wt/vol: 1.51(g) Date Analyzed: 05/14/2016 12:29

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 47.6 Level: (low/med) Medium

Analysis Batch No.: 230314 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	67		33-134
1868-53-7	Dibromofluoromethane (Surr)	55		30-122
460-00-4	4-Bromofluorobenzene (Surr)	58		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	69		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL12N-050916 | Lab Sample ID: 240-64634-17

Matrix: Solid | Lab File ID: UX83716.D

Analysis Method: 8260B | Date Collected: 05/09/2016 13:15

Sample wt/vol: 1.51(g) | Date Analyzed: 05/14/2016 12:29

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 47.6 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

Number TICs Found: 1 | TIC Result Total: 2.5

CAS NO.	COMPOUND NAME	RT	RESULT	Q
100-52-7	Benzaldehyde	9.54	2.5	T J N

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

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL12N-050916 Lab Sample ID: 240-64634-17

Matrix: Solid Lab File ID: UX83716.D

Analysis Method: 8260B Date Collected: 05/09/2016 13:15

Sample wt/vol: 1.51(g) Date Analyzed: 05/14/2016 12:29

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 47.6 Level: (low/med) Medium

Analysis Batch No.: 230314 Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.60	1.8	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL12S-050916 | Lab Sample ID: 240-64634-18

Matrix: Solid | Lab File ID: UX83717.D

Analysis Method: 8260B | Date Collected: 05/09/2016 13:20

Sample wt/vol: 1.34(g) | Date Analyzed: 05/14/2016 12:50

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 44.3 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.37	U	1.9	0.37
71-55-6	1,1,1-Trichloroethane	0.20	U	1.9	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.19	U	1.9	0.19
76-13-1	1,1,2-Trichlorotrifluoroethane	0.31	U	1.9	0.31
75-34-3	1,1-Dichloroethane	0.26	U	1.9	0.26
75-35-4	1,1-Dichloroethene	0.22	U	1.9	0.22
563-58-6	1,1-Dichloropropene	0.28	U	1.9	0.28
87-61-6	1,2,3-Trichlorobenzene	0.29	U	1.9	0.29
96-18-4	1,2,3-Trichloropropane	0.77	U	1.9	0.77
526-73-8	1,2,3-Trimethylbenzene	0.097	U	1.9	0.097
120-82-1	1,2,4-Trichlorobenzene	0.22	U	1.9	0.22
95-63-6	1,2,4-Trimethylbenzene	0.097	U	1.9	0.097
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	3.7	0.53
95-50-1	1,2-Dichlorobenzene	0.14	U	1.9	0.14
107-06-2	1,2-Dichloroethane	0.075	U	1.9	0.075
78-87-5	1,2-Dichloropropane	0.24	U	1.9	0.24
541-73-1	1,3-Dichlorobenzene	0.22	U	1.9	0.22
142-28-9	1,3-Dichloropropane	0.17	U	1.9	0.17
106-46-7	1,4-Dichlorobenzene	0.31	U	1.9	0.31
594-20-7	2,2-Dichloropropane	0.39	U	1.9	0.39
78-93-3	2-Butanone (MEK)	0.55	U	7.5	0.55
110-75-8	2-Chloroethyl vinyl ether	0.58	U	7.5	0.58
95-49-8	2-Chlorotoluene	0.31	U	1.9	0.31
591-78-6	2-Hexanone	0.63	U	7.5	0.63
106-43-4	4-Chlorotoluene	0.19	U	1.9	0.19
99-87-6	4-Isopropyltoluene	0.19	U	1.9	0.19
108-10-1	4-Methyl-2-pentanone (MIBK)	0.42	U	7.5	0.42
67-64-1	Acetone	1.7	U	7.5	1.7
71-43-2	Benzene	0.067	U	1.9	0.067
108-86-1	Bromobenzene	0.097	U	1.9	0.097
75-25-2	Bromoform	0.46	U	1.9	0.46
74-83-9	Bromomethane	0.38	U	1.9	0.38
75-15-0	Carbon disulfide	0.42	U	1.9	0.42
56-23-5	Carbon tetrachloride	0.13	U	1.9	0.13
108-90-7	Chlorobenzene	0.097	U	1.9	0.097
124-48-1	Chlorodibromomethane	0.15	U	1.9	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL12S-050916 | Lab Sample ID: 240-64634-18

Matrix: Solid | Lab File ID: UX83717.D

Analysis Method: 8260B | Date Collected: 05/09/2016 13:20

Sample wt/vol: 1.34(g) | Date Analyzed: 05/14/2016 12:50

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 44.3 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.38	U	1.9	0.38
67-66-3	Chloroform	0.27	U	1.9	0.27
74-87-3	Chloromethane	0.36	U	1.9	0.36
156-59-2	cis-1,2-Dichloroethene	0.28	U	1.9	0.28
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.9	0.16
74-95-3	Dibromomethane	0.37	U	1.9	0.37
74-97-5	Bromochloromethane	0.52	U	1.9	0.52
75-71-8	Dichlorodifluoromethane	0.46	U	1.9	0.46
75-27-4	Bromodichloromethane	0.28	U	1.9	0.28
75-65-0	tert-Butyl alcohol	6.3	U *	75	6.3
100-41-4	Ethylbenzene	0.26	U	1.9	0.26
87-68-3	Hexachlorobutadiene	0.33	U	1.9	0.33
108-20-3	Diisopropyl ether	0.39	U	3.7	0.39
98-82-8	Isopropylbenzene	0.097	U	1.9	0.097
1634-04-4	Methyl tert-butyl ether	0.22	U	1.9	0.22
75-09-2	Methylene Chloride	0.64	U	1.9	0.64
179601-23-1	m-Xylene & p-Xylene	0.15	U	1.9	0.15
91-20-3	Naphthalene	0.19	U	1.9	0.19
104-51-8	n-Butylbenzene	0.16	U	1.9	0.16
103-65-1	N-Propylbenzene	0.46	U	1.9	0.46
95-47-6	o-Xylene	0.13	U	1.9	0.13
135-98-8	sec-Butylbenzene	0.12	U	1.9	0.12
100-42-5	Styrene	0.20	U	1.9	0.20
994-05-8	Tert-amyl methyl ether	0.31	U	1.9	0.31
637-92-3	Ethyl tert-butyl ether	0.12	U	1.9	0.12
127-18-4	Tetrachloroethene	0.20	U	1.9	0.20
108-88-3	Toluene	0.075	U	1.9	0.075
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.9	0.19
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.9	0.19
79-01-6	Trichloroethene	0.29	U	1.9	0.29
75-69-4	Trichlorofluoromethane	0.26	U	1.9	0.26
108-05-4	Vinyl acetate	0.77	U	3.7	0.77
75-01-4	Vinyl chloride	0.13	U	1.9	0.13
1330-20-7	Xylenes, Total	0.24	U	3.7	0.24
98-06-6	tert-Butylbenzene	0.25	U	1.9	0.25
106-93-4	1,2-Dibromoethane	0.24	U	1.9	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL12S-050916 Lab Sample ID: 240-64634-18

Matrix: Solid Lab File ID: UX83717.D

Analysis Method: 8260B Date Collected: 05/09/2016 13:20

Sample wt/vol: 1.34(g) Date Analyzed: 05/14/2016 12:50

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 44.3 Level: (low/med) Medium

Analysis Batch No.: 230314 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	70		33-134
1868-53-7	Dibromofluoromethane (Surr)	55		30-122
460-00-4	4-Bromofluorobenzene (Surr)	62		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	70		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL12S-050916 | Lab Sample ID: 240-64634-18

Matrix: Solid | Lab File ID: UX83717.D

Analysis Method: 8260B | Date Collected: 05/09/2016 13:20

Sample wt/vol: 1.34(g) | Date Analyzed: 05/14/2016 12:50

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 44.3 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL12S-050916 | Lab Sample ID: 240-64634-18

Matrix: Solid | Lab File ID: UX83717.D

Analysis Method: 8260B | Date Collected: 05/09/2016 13:20

Sample wt/vol: 1.34(g) | Date Analyzed: 05/14/2016 12:50

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 44.3 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.60	1.9	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL6N-050916 | Lab Sample ID: 240-64634-19

Matrix: Solid | Lab File ID: UX83718.D

Analysis Method: 8260B | Date Collected: 05/09/2016 13:30

Sample wt/vol: 1.38(g) | Date Analyzed: 05/14/2016 13:12

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.1 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.32	U	1.6	0.32
71-55-6	1,1,1-Trichloroethane	0.17	U	1.6	0.17
79-34-5	1,1,2,2-Tetrachloroethane	0.16	U	1.6	0.16
76-13-1	1,1,2-Trichlorotrifluoroethane	0.27	U	1.6	0.27
75-34-3	1,1-Dichloroethane	0.23	U	1.6	0.23
75-35-4	1,1-Dichloroethene	0.19	U	1.6	0.19
563-58-6	1,1-Dichloropropene	0.25	U	1.6	0.25
87-61-6	1,2,3-Trichlorobenzene	0.25	U	1.6	0.25
96-18-4	1,2,3-Trichloropropane	0.67	U	1.6	0.67
526-73-8	1,2,3-Trimethylbenzene	0.084	U	1.6	0.084
120-82-1	1,2,4-Trichlorobenzene	0.19	U	1.6	0.19
95-63-6	1,2,4-Trimethylbenzene	0.084	U	1.6	0.084
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	3.2	0.46
95-50-1	1,2-Dichlorobenzene	0.12	U	1.6	0.12
107-06-2	1,2-Dichloroethane	0.065	U	1.6	0.065
78-87-5	1,2-Dichloropropane	0.21	U	1.6	0.21
541-73-1	1,3-Dichlorobenzene	0.19	U	1.6	0.19
142-28-9	1,3-Dichloropropane	0.15	U	1.6	0.15
106-46-7	1,4-Dichlorobenzene	0.27	U	1.6	0.27
594-20-7	2,2-Dichloropropane	0.34	U	1.6	0.34
78-93-3	2-Butanone (MEK)	0.47	U	6.5	0.47
110-75-8	2-Chloroethyl vinyl ether	0.50	U	6.5	0.50
95-49-8	2-Chlorotoluene	0.27	U	1.6	0.27
591-78-6	2-Hexanone	0.54	U	6.5	0.54
106-43-4	4-Chlorotoluene	0.17	U	1.6	0.17
99-87-6	4-Isopropyltoluene	0.16	U	1.6	0.16
108-10-1	4-Methyl-2-pentanone (MIBK)	0.36	U	6.5	0.36
67-64-1	Acetone	1.5	U	6.5	1.5
71-43-2	Benzene	0.058	U	1.6	0.058
108-86-1	Bromobenzene	0.084	U	1.6	0.084
75-25-2	Bromoform	0.39	U	1.6	0.39
74-83-9	Bromomethane	0.33	U	1.6	0.33
75-15-0	Carbon disulfide	0.36	U	1.6	0.36
56-23-5	Carbon tetrachloride	0.12	U	1.6	0.12
108-90-7	Chlorobenzene	0.084	U	1.6	0.084
124-48-1	Chlorodibromomethane	0.13	U	1.6	0.13

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL6N-050916 | Lab Sample ID: 240-64634-19

Matrix: Solid | Lab File ID: UX83718.D

Analysis Method: 8260B | Date Collected: 05/09/2016 13:30

Sample wt/vol: 1.38(g) | Date Analyzed: 05/14/2016 13:12

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.1 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.33	U	1.6	0.33
67-66-3	Chloroform	0.23	U	1.6	0.23
74-87-3	Chloromethane	0.31	U	1.6	0.31
156-59-2	cis-1,2-Dichloroethene	0.25	U	1.6	0.25
10061-01-5	cis-1,3-Dichloropropene	0.14	U	1.6	0.14
74-95-3	Dibromomethane	0.32	U	1.6	0.32
74-97-5	Bromochloromethane	0.45	U	1.6	0.45
75-71-8	Dichlorodifluoromethane	0.39	U	1.6	0.39
75-27-4	Bromodichloromethane	0.25	U	1.6	0.25
75-65-0	tert-Butyl alcohol	5.4	U *	65	5.4
100-41-4	Ethylbenzene	0.23	U	1.6	0.23
87-68-3	Hexachlorobutadiene	0.28	U	1.6	0.28
108-20-3	Diisopropyl ether	0.34	U	3.2	0.34
98-82-8	Isopropylbenzene	0.084	U	1.6	0.084
1634-04-4	Methyl tert-butyl ether	0.19	U	1.6	0.19
75-09-2	Methylene Chloride	0.55	U	1.6	0.55
179601-23-1	m-Xylene & p-Xylene	0.13	U	1.6	0.13
91-20-3	Naphthalene	0.17	U	1.6	0.17
104-51-8	n-Butylbenzene	0.14	U	1.6	0.14
103-65-1	N-Propylbenzene	0.39	U	1.6	0.39
95-47-6	o-Xylene	0.11	U	1.6	0.11
135-98-8	sec-Butylbenzene	0.10	U	1.6	0.10
100-42-5	Styrene	0.17	U	1.6	0.17
994-05-8	Tert-amyl methyl ether	0.27	U	1.6	0.27
637-92-3	Ethyl tert-butyl ether	0.10	U	1.6	0.10
127-18-4	Tetrachloroethene	0.17	U	1.6	0.17
108-88-3	Toluene	0.065	U	1.6	0.065
156-60-5	trans-1,2-Dichloroethene	0.17	U	1.6	0.17
10061-02-6	trans-1,3-Dichloropropene	0.17	U	1.6	0.17
79-01-6	Trichloroethene	0.25	U	1.6	0.25
75-69-4	Trichlorofluoromethane	0.23	U	1.6	0.23
108-05-4	Vinyl acetate	0.67	U	3.2	0.67
75-01-4	Vinyl chloride	0.11	U	1.6	0.11
1330-20-7	Xylenes, Total	0.21	U	3.2	0.21
98-06-6	tert-Butylbenzene	0.22	U	1.6	0.22
106-93-4	1,2-Dibromoethane	0.21	U	1.6	0.21

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL6N-050916 | Lab Sample ID: 240-64634-19

Matrix: Solid | Lab File ID: UX83718.D

Analysis Method: 8260B | Date Collected: 05/09/2016 13:30

Sample wt/vol: 1.38(g) | Date Analyzed: 05/14/2016 13:12

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.1 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	68		33-134
1868-53-7	Dibromofluoromethane (Surr)	55		30-122
460-00-4	4-Bromofluorobenzene (Surr)	59		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	65		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL6N-050916 | Lab Sample ID: 240-64634-19

Matrix: Solid | Lab File ID: UX83718.D

Analysis Method: 8260B | Date Collected: 05/09/2016 13:30

Sample wt/vol: 1.38(g) | Date Analyzed: 05/14/2016 13:12

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.1 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL6N-050916 | Lab Sample ID: 240-64634-19

Matrix: Solid | Lab File ID: UX83718.D

Analysis Method: 8260B | Date Collected: 05/09/2016 13:30

Sample wt/vol: 1.38(g) | Date Analyzed: 05/14/2016 13:12

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.1 | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.60	1.6	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL6S-050916 | Lab Sample ID: 240-64634-20

Matrix: Solid | Lab File ID: UX83781.D

Analysis Method: 8260B | Date Collected: 05/09/2016 13:40

Sample wt/vol: 1.14(g) | Date Analyzed: 05/18/2016 11:55

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.1 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.38	U	1.9	0.38
71-55-6	1,1,1-Trichloroethane	0.21	U	1.9	0.21
79-34-5	1,1,2,2-Tetrachloroethane	0.19	U	1.9	0.19
76-13-1	1,1,2-Trichlorotrifluoroethane	0.32	U	1.9	0.32
75-34-3	1,1-Dichloroethane	0.27	U	1.9	0.27
75-35-4	1,1-Dichloroethene	0.23	U	1.9	0.23
563-58-6	1,1-Dichloropropene	0.29	U	1.9	0.29
87-61-6	1,2,3-Trichlorobenzene	0.30	U	1.9	0.30
96-18-4	1,2,3-Trichloropropane	0.79	U	1.9	0.79
526-73-8	1,2,3-Trimethylbenzene	0.10	U	1.9	0.10
120-82-1	1,2,4-Trichlorobenzene	0.23	U	1.9	0.23
95-63-6	1,2,4-Trimethylbenzene	0.10	U	1.9	0.10
96-12-8	1,2-Dibromo-3-Chloropropane	0.55	U	3.8	0.55
95-50-1	1,2-Dichlorobenzene	0.15	U	1.9	0.15
107-06-2	1,2-Dichloroethane	0.077	U	1.9	0.077
78-87-5	1,2-Dichloropropane	0.25	U	1.9	0.25
541-73-1	1,3-Dichlorobenzene	0.23	U	1.9	0.23
142-28-9	1,3-Dichloropropane	0.18	U	1.9	0.18
106-46-7	1,4-Dichlorobenzene	0.32	U	1.9	0.32
594-20-7	2,2-Dichloropropane	0.40	U	1.9	0.40
78-93-3	2-Butanone (MEK)	0.56	U	7.7	0.56
110-75-8	2-Chloroethyl vinyl ether	0.60	U	7.7	0.60
95-49-8	2-Chlorotoluene	0.32	U	1.9	0.32
591-78-6	2-Hexanone	0.65	U	7.7	0.65
106-43-4	4-Chlorotoluene	0.20	U	1.9	0.20
99-87-6	4-Isopropyltoluene	0.19	U	1.9	0.19
108-10-1	4-Methyl-2-pentanone (MIBK)	0.43	U	7.7	0.43
67-64-1	Acetone	1.7	U	7.7	1.7
71-43-2	Benzene	0.069	U	1.9	0.069
108-86-1	Bromobenzene	0.10	U	1.9	0.10
75-25-2	Bromoform	0.47	U	1.9	0.47
74-83-9	Bromomethane	0.39	U	1.9	0.39
75-15-0	Carbon disulfide	0.43	U	1.9	0.43
56-23-5	Carbon tetrachloride	0.14	U	1.9	0.14
108-90-7	Chlorobenzene	0.10	U	1.9	0.10
124-48-1	Chlorodibromomethane	0.15	U	1.9	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL6S-050916 | Lab Sample ID: 240-64634-20

Matrix: Solid | Lab File ID: UX83781.D

Analysis Method: 8260B | Date Collected: 05/09/2016 13:40

Sample wt/vol: 1.14(g) | Date Analyzed: 05/18/2016 11:55

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.1 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.39	U	1.9	0.39
67-66-3	Chloroform	0.28	U	1.9	0.28
74-87-3	Chloromethane	0.37	U	1.9	0.37
156-59-2	cis-1,2-Dichloroethene	0.29	U	1.9	0.29
10061-01-5	cis-1,3-Dichloropropene	0.17	U	1.9	0.17
74-95-3	Dibromomethane	0.38	U	1.9	0.38
74-97-5	Bromochloromethane	0.54	U	1.9	0.54
75-71-8	Dichlorodifluoromethane	0.47	U	1.9	0.47
75-27-4	Bromodichloromethane	0.29	U	1.9	0.29
75-65-0	tert-Butyl alcohol	6.4	U *	77	6.4
100-41-4	Ethylbenzene	0.27	U	1.9	0.27
87-68-3	Hexachlorobutadiene	0.34	U	1.9	0.34
108-20-3	Diisopropyl ether	0.40	U	3.8	0.40
98-82-8	Isopropylbenzene	0.10	U	1.9	0.10
1634-04-4	Methyl tert-butyl ether	0.23	U	1.9	0.23
75-09-2	Methylene Chloride	0.65	U	1.9	0.65
179601-23-1	m-Xylene & p-Xylene	0.15	U	1.9	0.15
91-20-3	Naphthalene	0.20	U	1.9	0.20
104-51-8	n-Butylbenzene	0.16	U	1.9	0.16
103-65-1	N-Propylbenzene	0.47	U	1.9	0.47
95-47-6	o-Xylene	0.13	U	1.9	0.13
135-98-8	sec-Butylbenzene	0.12	U	1.9	0.12
100-42-5	Styrene	0.21	U	1.9	0.21
994-05-8	Tert-amyl methyl ether	0.32	U	1.9	0.32
637-92-3	Ethyl tert-butyl ether	0.12	U	1.9	0.12
127-18-4	Tetrachloroethene	0.21	U	1.9	0.21
108-88-3	Toluene	0.89	J B	1.9	0.077
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.9	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	1.9	0.20
79-01-6	Trichloroethene	0.30	U	1.9	0.30
75-69-4	Trichlorofluoromethane	0.27	U	1.9	0.27
108-05-4	Vinyl acetate	0.79	U	3.8	0.79
75-01-4	Vinyl chloride	0.13	U	1.9	0.13
1330-20-7	Xylenes, Total	0.25	U	3.8	0.25
98-06-6	tert-Butylbenzene	0.26	U	1.9	0.26
106-93-4	1,2-Dibromoethane	0.25	U	1.9	0.25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL6S-050916 Lab Sample ID: 240-64634-20

Matrix: Solid Lab File ID: UX83781.D

Analysis Method: 8260B Date Collected: 05/09/2016 13:40

Sample wt/vol: 1.14(g) Date Analyzed: 05/18/2016 11:55

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.1 Level: (low/med) Medium

Analysis Batch No.: 230734 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	91		33-134
1868-53-7	Dibromofluoromethane (Surr)	74		30-122
460-00-4	4-Bromofluorobenzene (Surr)	81		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	84		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL6S-050916 | Lab Sample ID: 240-64634-20

Matrix: Solid | Lab File ID: UX83781.D

Analysis Method: 8260B | Date Collected: 05/09/2016 13:40

Sample wt/vol: 1.14(g) | Date Analyzed: 05/18/2016 11:55

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.1 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL6S-050916 | Lab Sample ID: 240-64634-20

Matrix: Solid | Lab File ID: UX83781.D

Analysis Method: 8260B | Date Collected: 05/09/2016 13:40

Sample wt/vol: 1.14(g) | Date Analyzed: 05/18/2016 11:55

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.1 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC		1.9	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL2N-050916 | Lab Sample ID: 240-64634-21

Matrix: Solid | Lab File ID: UX83764.D

Analysis Method: 8260B | Date Collected: 05/09/2016 14:00

Sample wt/vol: 1.04(g) | Date Analyzed: 05/18/2016 05:55

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 2.5

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 57.0 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.5	U	7.8	1.5
71-55-6	1,1,1-Trichloroethane	0.84	U	7.8	0.84
79-34-5	1,1,2,2-Tetrachloroethane	0.78	U	7.8	0.78
76-13-1	1,1,2-Trichlorotrifluoroethane	1.3	U	7.8	1.3
75-34-3	1,1-Dichloroethane	1.1	U	7.8	1.1
75-35-4	1,1-Dichloroethene	0.94	U	7.8	0.94
563-58-6	1,1-Dichloropropene	1.2	U	7.8	1.2
87-61-6	1,2,3-Trichlorobenzene	1.2	U	7.8	1.2
96-18-4	1,2,3-Trichloropropane	3.2	U	7.8	3.2
526-73-8	1,2,3-Trimethylbenzene	0.41	U	7.8	0.41
120-82-1	1,2,4-Trichlorobenzene	0.94	U	7.8	0.94
95-63-6	1,2,4-Trimethylbenzene	0.41	U	7.8	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	2.2	U	16	2.2
95-50-1	1,2-Dichlorobenzene	0.59	U	7.8	0.59
107-06-2	1,2-Dichloroethane	0.31	U	7.8	0.31
78-87-5	1,2-Dichloropropane	1.0	U	7.8	1.0
541-73-1	1,3-Dichlorobenzene	0.94	U	7.8	0.94
142-28-9	1,3-Dichloropropane	0.72	U	7.8	0.72
106-46-7	1,4-Dichlorobenzene	1.3	U	7.8	1.3
594-20-7	2,2-Dichloropropane	1.6	U	7.8	1.6
78-93-3	2-Butanone (MEK)	2.3	U	31	2.3
110-75-8	2-Chloroethyl vinyl ether	2.4	U	31	2.4
95-49-8	2-Chlorotoluene	1.3	U	7.8	1.3
591-78-6	2-Hexanone	2.6	U	31	2.6
106-43-4	4-Chlorotoluene	0.81	U	7.8	0.81
99-87-6	4-Isopropyltoluene	2.1	J	7.8	0.78
108-10-1	4-Methyl-2-pentanone (MIBK)	1.8	U	31	1.8
67-64-1	Acetone	7.1	U	31	7.1
71-43-2	Benzene	0.28	U	7.8	0.28
108-86-1	Bromobenzene	0.41	U	7.8	0.41
75-25-2	Bromoform	1.9	U	7.8	1.9
74-83-9	Bromomethane	1.6	U	7.8	1.6
75-15-0	Carbon disulfide	1.8	U	7.8	1.8
56-23-5	Carbon tetrachloride	0.56	U	7.8	0.56
108-90-7	Chlorobenzene	0.41	U	7.8	0.41
124-48-1	Chlorodibromomethane	0.63	U	7.8	0.63

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL2N-050916 | Lab Sample ID: 240-64634-21

Matrix: Solid | Lab File ID: UX83764.D

Analysis Method: 8260B | Date Collected: 05/09/2016 14:00

Sample wt/vol: 1.04(g) | Date Analyzed: 05/18/2016 05:55

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 2.5

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 57.0 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	1.6	U	7.8	1.6
67-66-3	Chloroform	1.1	U	7.8	1.1
74-87-3	Chloromethane	1.5	U	7.8	1.5
156-59-2	cis-1,2-Dichloroethene	1.2	U	7.8	1.2
10061-01-5	cis-1,3-Dichloropropene	0.69	U	7.8	0.69
74-95-3	Dibromomethane	1.6	U	7.8	1.6
74-97-5	Bromochloromethane	2.2	U	7.8	2.2
75-71-8	Dichlorodifluoromethane	1.9	U	7.8	1.9
75-27-4	Bromodichloromethane	1.2	U	7.8	1.2
75-65-0	tert-Butyl alcohol	26	U *	310	26
100-41-4	Ethylbenzene	1.1	U	7.8	1.1
87-68-3	Hexachlorobutadiene	1.4	U	7.8	1.4
108-20-3	Diisopropyl ether	1.6	U	16	1.6
98-82-8	Isopropylbenzene	0.41	U	7.8	0.41
1634-04-4	Methyl tert-butyl ether	0.94	U	7.8	0.94
75-09-2	Methylene Chloride	2.7	U	7.8	2.7
179601-23-1	m-Xylene & p-Xylene	0.63	U	7.8	0.63
91-20-3	Naphthalene	0.81	U	7.8	0.81
104-51-8	n-Butylbenzene	0.66	U	7.8	0.66
103-65-1	N-Propylbenzene	1.9	U	7.8	1.9
95-47-6	o-Xylene	0.53	U	7.8	0.53
135-98-8	sec-Butylbenzene	0.50	U	7.8	0.50
100-42-5	Styrene	0.84	U	7.8	0.84
994-05-8	Tert-amyl methyl ether	1.3	U	7.8	1.3
637-92-3	Ethyl tert-butyl ether	0.50	U	7.8	0.50
127-18-4	Tetrachloroethene	0.84	U	7.8	0.84
108-88-3	Toluene	1.0	J B *	7.8	0.31
156-60-5	trans-1,2-Dichloroethene	0.81	U	7.8	0.81
10061-02-6	trans-1,3-Dichloropropene	0.81	U	7.8	0.81
79-01-6	Trichloroethene	1.2	U	7.8	1.2
75-69-4	Trichlorofluoromethane	1.1	U	7.8	1.1
108-05-4	Vinyl acetate	3.2	U	16	3.2
75-01-4	Vinyl chloride	0.53	U	7.8	0.53
1330-20-7	Xylenes, Total	1.0	U	16	1.0
98-06-6	tert-Butylbenzene	1.1	U	7.8	1.1
106-93-4	1,2-Dibromoethane	1.0	U	7.8	1.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL2N-050916 Lab Sample ID: 240-64634-21

Matrix: Solid Lab File ID: UX83764.D

Analysis Method: 8260B Date Collected: 05/09/2016 14:00

Sample wt/vol: 1.04(g) Date Analyzed: 05/18/2016 05:55

Soil Aliquot Vol: 100 (uL) Dilution Factor: 2.5

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 57.0 Level: (low/med) Medium

Analysis Batch No.: 230734 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	126		33-134
1868-53-7	Dibromofluoromethane (Surr)	113		30-122
460-00-4	4-Bromofluorobenzene (Surr)	131		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL2N-050916 | Lab Sample ID: 240-64634-21

Matrix: Solid | Lab File ID: UX83764.D

Analysis Method: 8260B | Date Collected: 05/09/2016 14:00

Sample wt/vol: 1.04(g) | Date Analyzed: 05/18/2016 05:55

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 2.5

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 57.0 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

Number TICs Found: 4 | TIC Result Total: 1577

CAS NO.	COMPOUND NAME	RT	RESULT	Q
7785-70-8	1R-.alpha.-Pinene	8.61	1100	T J N
79-92-5	Camphene	8.88	43	T J N
127-91-3	.beta.-Pinene	9.25	410	T J N
5989-27-5	D-Limonene	9.80	24	T J N

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL2N-050916 | Lab Sample ID: 240-64634-21

Matrix: Solid | Lab File ID: UX83764.D

Analysis Method: 8260B | Date Collected: 05/09/2016 14:00

Sample wt/vol: 1.04(g) | Date Analyzed: 05/18/2016 05:55

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 2.5

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 57.0 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC		7.8	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL2S-050916 | Lab Sample ID: 240-64634-22

Matrix: Solid | Lab File ID: UX83765.D

Analysis Method: 8260B | Date Collected: 05/09/2016 14:20

Sample wt/vol: 1.12(g) | Date Analyzed: 05/18/2016 06:17

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 56.3 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.6	U	29	5.6
71-55-6	1,1,1-Trichloroethane	3.1	U	29	3.1
79-34-5	1,1,2,2-Tetrachloroethane	2.9	U	29	2.9
76-13-1	1,1,2-Trichlorotrifluoroethane	4.8	U	29	4.8
75-34-3	1,1-Dichloroethane	4.0	U	29	4.0
75-35-4	1,1-Dichloroethene	3.5	U	29	3.5
563-58-6	1,1-Dichloropropene	4.4	U	29	4.4
87-61-6	1,2,3-Trichlorobenzene	4.5	U	29	4.5
96-18-4	1,2,3-Trichloropropane	12	U	29	12
526-73-8	1,2,3-Trimethylbenzene	1.5	U	29	1.5
120-82-1	1,2,4-Trichlorobenzene	3.5	U	29	3.5
95-63-6	1,2,4-Trimethylbenzene	1.5	U	29	1.5
96-12-8	1,2-Dibromo-3-Chloropropane	8.2	U	58	8.2
95-50-1	1,2-Dichlorobenzene	2.2	U	29	2.2
107-06-2	1,2-Dichloroethane	1.2	U	29	1.2
78-87-5	1,2-Dichloropropane	3.7	U	29	3.7
541-73-1	1,3-Dichlorobenzene	3.5	U	29	3.5
142-28-9	1,3-Dichloropropane	2.6	U	29	2.6
106-46-7	1,4-Dichlorobenzene	4.7	U	29	4.7
594-20-7	2,2-Dichloropropane	6.0	U	29	6.0
78-93-3	2-Butanone (MEK)	8.4	U	120	8.4
110-75-8	2-Chloroethyl vinyl ether	9.0	U	120	9.0
95-49-8	2-Chlorotoluene	4.7	U	29	4.7
591-78-6	2-Hexanone	9.7	U	120	9.7
106-43-4	4-Chlorotoluene	3.0	U	29	3.0
99-87-6	4-Isopropyltoluene	9.0	J	29	2.9
108-10-1	4-Methyl-2-pentanone (MIBK)	6.4	U	120	6.4
67-64-1	Acetone	26	U	120	26
71-43-2	Benzene	1.0	U	29	1.0
108-86-1	Bromobenzene	1.5	U	29	1.5
75-25-2	Bromoform	7.0	U	29	7.0
74-83-9	Bromomethane	5.9	U	29	5.9
75-15-0	Carbon disulfide	6.4	U	29	6.4
56-23-5	Carbon tetrachloride	2.1	U	29	2.1
108-90-7	Chlorobenzene	1.5	U	29	1.5
124-48-1	Chlorodibromomethane	2.3	U	29	2.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL2S-050916 | Lab Sample ID: 240-64634-22

Matrix: Solid | Lab File ID: UX83765.D

Analysis Method: 8260B | Date Collected: 05/09/2016 14:20

Sample wt/vol: 1.12(g) | Date Analyzed: 05/18/2016 06:17

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 56.3 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	5.9	U	29	5.9
67-66-3	Chloroform	4.1	U	29	4.1
74-87-3	Chloromethane	5.5	U	29	5.5
156-59-2	cis-1,2-Dichloroethene	4.4	U	29	4.4
10061-01-5	cis-1,3-Dichloropropene	2.5	U	29	2.5
74-95-3	Dibromomethane	5.8	U	29	5.8
74-97-5	Bromochloromethane	8.1	U	29	8.1
75-71-8	Dichlorodifluoromethane	7.0	U	29	7.0
75-27-4	Bromodichloromethane	4.4	U	29	4.4
75-65-0	tert-Butyl alcohol	96	U *	1200	96
100-41-4	Ethylbenzene	4.0	U	29	4.0
87-68-3	Hexachlorobutadiene	5.1	U	29	5.1
108-20-3	Diisopropyl ether	6.0	U	58	6.0
98-82-8	Isopropylbenzene	1.5	U	29	1.5
1634-04-4	Methyl tert-butyl ether	3.5	U	29	3.5
75-09-2	Methylene Chloride	9.8	U	29	9.8
179601-23-1	m-Xylene & p-Xylene	2.3	U	29	2.3
91-20-3	Naphthalene	3.0	U	29	3.0
104-51-8	n-Butylbenzene	2.4	U	29	2.4
103-65-1	N-Propylbenzene	7.0	U	29	7.0
95-47-6	o-Xylene	2.0	U	29	2.0
135-98-8	sec-Butylbenzene	1.8	U	29	1.8
100-42-5	Styrene	3.1	U	29	3.1
994-05-8	Tert-amyl methyl ether	4.8	U	29	4.8
637-92-3	Ethyl tert-butyl ether	1.8	U	29	1.8
127-18-4	Tetrachloroethene	3.1	U	29	3.1
108-88-3	Toluene	1.2	J B *	29	1.2
156-60-5	trans-1,2-Dichloroethene	3.0	U	29	3.0
10061-02-6	trans-1,3-Dichloropropene	3.0	U	29	3.0
79-01-6	Trichloroethene	4.5	U	29	4.5
75-69-4	Trichlorofluoromethane	4.0	U	29	4.0
108-05-4	Vinyl acetate	12	U	58	12
75-01-4	Vinyl chloride	2.0	U	29	2.0
1330-20-7	Xylenes, Total	3.7	U	58	3.7
98-06-6	tert-Butylbenzene	3.9	U	29	3.9
106-93-4	1,2-Dibromoethane	3.7	U	29	3.7

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL2S-050916 Lab Sample ID: 240-64634-22

Matrix: Solid Lab File ID: UX83765.D

Analysis Method: 8260B Date Collected: 05/09/2016 14:20

Sample wt/vol: 1.12(g) Date Analyzed: 05/18/2016 06:17

Soil Aliquot Vol: 100 (uL) Dilution Factor: 10

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 56.3 Level: (low/med) Medium

Analysis Batch No.: 230734 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	163	X	33-134
1868-53-7	Dibromofluoromethane (Surr)	150	X	30-122
460-00-4	4-Bromofluorobenzene (Surr)	181	X	26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	169	X	39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL2S-050916 | Lab Sample ID: 240-64634-22

Matrix: Solid | Lab File ID: UX83765.D

Analysis Method: 8260B | Date Collected: 05/09/2016 14:20

Sample wt/vol: 1.12(g) | Date Analyzed: 05/18/2016 06:17

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 56.3 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

Number TICs Found: 4 | TIC Result Total: 3999

CAS NO.	COMPOUND NAME	RT	RESULT	Q
7785-70-8	1R-.alpha.-Pinene	8.61	2400	T J N
79-92-5	Camphene	8.89	120	T J N
127-91-3	.beta.-Pinene	9.24	1400	T J N
138-86-3	Limonene	9.80	79	T J N

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL2S-050916 | Lab Sample ID: 240-64634-22

Matrix: Solid | Lab File ID: UX83765.D

Analysis Method: 8260B | Date Collected: 05/09/2016 14:20

Sample wt/vol: 1.12(g) | Date Analyzed: 05/18/2016 06:17

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 56.3 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC		29	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TLDUP3-050916 | Lab Sample ID: 240-64634-23

Matrix: Solid | Lab File ID: UX83766.D

Analysis Method: 8260B | Date Collected: 05/09/2016 07:15

Sample wt/vol: 1.16(g) | Date Analyzed: 05/18/2016 06:38

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 61.9 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.63	U	3.2	0.63
71-55-6	1,1,1-Trichloroethane	0.35	U	3.2	0.35
79-34-5	1,1,2,2-Tetrachloroethane	0.32	U	3.2	0.32
76-13-1	1,1,2-Trichlorotrifluoroethane	0.54	U	3.2	0.54
75-34-3	1,1-Dichloroethane	0.45	U	3.2	0.45
75-35-4	1,1-Dichloroethene	0.39	U	3.2	0.39
563-58-6	1,1-Dichloropropene	0.49	U	3.2	0.49
87-61-6	1,2,3-Trichlorobenzene	0.50	U	3.2	0.50
96-18-4	1,2,3-Trichloropropane	1.3	U	3.2	1.3
526-73-8	1,2,3-Trimethylbenzene	0.17	U	3.2	0.17
120-82-1	1,2,4-Trichlorobenzene	0.39	U	3.2	0.39
95-63-6	1,2,4-Trimethylbenzene	0.17	U	3.2	0.17
96-12-8	1,2-Dibromo-3-Chloropropane	0.92	U	6.5	0.92
95-50-1	1,2-Dichlorobenzene	0.25	U	3.2	0.25
107-06-2	1,2-Dichloroethane	0.13	U	3.2	0.13
78-87-5	1,2-Dichloropropane	0.41	U	3.2	0.41
541-73-1	1,3-Dichlorobenzene	0.39	U	3.2	0.39
142-28-9	1,3-Dichloropropane	0.30	U	3.2	0.30
106-46-7	1,4-Dichlorobenzene	0.53	U	3.2	0.53
594-20-7	2,2-Dichloropropane	0.67	U	3.2	0.67
78-93-3	2-Butanone (MEK)	0.94	U	13	0.94
110-75-8	2-Chloroethyl vinyl ether	1.0	U	13	1.0
95-49-8	2-Chlorotoluene	0.53	U	3.2	0.53
591-78-6	2-Hexanone	1.1	U	13	1.1
106-43-4	4-Chlorotoluene	0.34	U	3.2	0.34
99-87-6	4-Isopropyltoluene	0.32	U	3.2	0.32
108-10-1	4-Methyl-2-pentanone (MIBK)	0.72	U	13	0.72
67-64-1	Acetone	3.5	J	13	2.9
71-43-2	Benzene	0.12	U	3.2	0.12
108-86-1	Bromobenzene	0.17	U	3.2	0.17
75-25-2	Bromoform	0.79	U	3.2	0.79
74-83-9	Bromomethane	0.66	U	3.2	0.66
75-15-0	Carbon disulfide	0.72	U	3.2	0.72
56-23-5	Carbon tetrachloride	0.23	U	3.2	0.23
108-90-7	Chlorobenzene	0.17	U	3.2	0.17
124-48-1	Chlorodibromomethane	0.26	U	3.2	0.26

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TLDUP3-050916 | Lab Sample ID: 240-64634-23

Matrix: Solid | Lab File ID: UX83766.D

Analysis Method: 8260B | Date Collected: 05/09/2016 07:15

Sample wt/vol: 1.16(g) | Date Analyzed: 05/18/2016 06:38

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 61.9 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.66	U	3.2	0.66
67-66-3	Chloroform	0.47	U	3.2	0.47
74-87-3	Chloromethane	0.62	U	3.2	0.62
156-59-2	cis-1,2-Dichloroethene	0.49	U	3.2	0.49
10061-01-5	cis-1,3-Dichloropropene	0.28	U	3.2	0.28
74-95-3	Dibromomethane	0.65	U	3.2	0.65
74-97-5	Bromochloromethane	0.90	U	3.2	0.90
75-71-8	Dichlorodifluoromethane	0.79	U	3.2	0.79
75-27-4	Bromodichloromethane	0.49	U	3.2	0.49
75-65-0	tert-Butyl alcohol	11	U *	130	11
100-41-4	Ethylbenzene	0.45	U	3.2	0.45
87-68-3	Hexachlorobutadiene	0.57	U	3.2	0.57
108-20-3	Diisopropyl ether	0.67	U	6.5	0.67
98-82-8	Isopropylbenzene	0.17	U	3.2	0.17
1634-04-4	Methyl tert-butyl ether	0.39	U	3.2	0.39
75-09-2	Methylene Chloride	1.1	U	3.2	1.1
179601-23-1	m-Xylene & p-Xylene	0.26	U	3.2	0.26
91-20-3	Naphthalene	0.34	U	3.2	0.34
104-51-8	n-Butylbenzene	0.27	U	3.2	0.27
103-65-1	N-Propylbenzene	0.79	U	3.2	0.79
95-47-6	o-Xylene	0.22	U	3.2	0.22
135-98-8	sec-Butylbenzene	0.21	U	3.2	0.21
100-42-5	Styrene	0.35	U	3.2	0.35
994-05-8	Tert-amyl methyl ether	0.54	U	3.2	0.54
637-92-3	Ethyl tert-butyl ether	0.21	U	3.2	0.21
127-18-4	Tetrachloroethene	0.35	U	3.2	0.35
108-88-3	Toluene	0.84	J B *	3.2	0.13
156-60-5	trans-1,2-Dichloroethene	0.34	U	3.2	0.34
10061-02-6	trans-1,3-Dichloropropene	0.34	U	3.2	0.34
79-01-6	Trichloroethene	0.50	U	3.2	0.50
75-69-4	Trichlorofluoromethane	0.45	U	3.2	0.45
108-05-4	Vinyl acetate	1.3	U	6.5	1.3
75-01-4	Vinyl chloride	0.22	U	3.2	0.22
1330-20-7	Xylenes, Total	0.41	U	6.5	0.41
98-06-6	tert-Butylbenzene	0.44	U	3.2	0.44
106-93-4	1,2-Dibromoethane	0.41	U	3.2	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TLDUP3-050916 Lab Sample ID: 240-64634-23

Matrix: Solid Lab File ID: UX83766.D

Analysis Method: 8260B Date Collected: 05/09/2016 07:15

Sample wt/vol: 1.16(g) Date Analyzed: 05/18/2016 06:38

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 61.9 Level: (low/med) Medium

Analysis Batch No.: 230734 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		33-134
1868-53-7	Dibromofluoromethane (Surr)	90		30-122
460-00-4	4-Bromofluorobenzene (Surr)	93		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TLDUP3-050916 | Lab Sample ID: 240-64634-23

Matrix: Solid | Lab File ID: UX83766.D

Analysis Method: 8260B | Date Collected: 05/09/2016 07:15

Sample wt/vol: 1.16(g) | Date Analyzed: 05/18/2016 06:38

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 61.9 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

Number TICs Found: 2 | TIC Result Total: 15.3

CAS NO.	COMPOUND NAME	RT	RESULT	Q
79-20-9	Acetic acid, methyl ester	3.22	3.3	T J N
141-78-6	Ethyl Acetate	4.31	12	T J N

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TLDUP3-050916 | Lab Sample ID: 240-64634-23

Matrix: Solid | Lab File ID: UX83766.D

Analysis Method: 8260B | Date Collected: 05/09/2016 07:15

Sample wt/vol: 1.16(g) | Date Analyzed: 05/18/2016 06:38

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 61.9 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC		3.2	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL18N-050916 | Lab Sample ID: 240-64634-24

Matrix: Solid | Lab File ID: UX83767.D

Analysis Method: 8260B | Date Collected: 05/09/2016 14:45

Sample wt/vol: 1.14(g) | Date Analyzed: 05/18/2016 06:59

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 59.2 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.60	U	3.0	0.60
71-55-6	1,1,1-Trichloroethane	0.33	U	3.0	0.33
79-34-5	1,1,2,2-Tetrachloroethane	0.30	U	3.0	0.30
76-13-1	1,1,2-Trichlorotrifluoroethane	0.51	U	3.0	0.51
75-34-3	1,1-Dichloroethane	0.43	U	3.0	0.43
75-35-4	1,1-Dichloroethene	0.37	U	3.0	0.37
563-58-6	1,1-Dichloropropene	0.46	U	3.0	0.46
87-61-6	1,2,3-Trichlorobenzene	0.48	U	3.0	0.48
96-18-4	1,2,3-Trichloropropane	1.3	U	3.0	1.3
526-73-8	1,2,3-Trimethylbenzene	0.16	U	3.0	0.16
120-82-1	1,2,4-Trichlorobenzene	0.37	U	3.0	0.37
95-63-6	1,2,4-Trimethylbenzene	0.16	U	3.0	0.16
96-12-8	1,2-Dibromo-3-Chloropropane	0.87	U	6.1	0.87
95-50-1	1,2-Dichlorobenzene	0.23	U	3.0	0.23
107-06-2	1,2-Dichloroethane	0.12	U	3.0	0.12
78-87-5	1,2-Dichloropropane	0.39	U	3.0	0.39
541-73-1	1,3-Dichlorobenzene	0.37	U	3.0	0.37
142-28-9	1,3-Dichloropropane	0.28	U	3.0	0.28
106-46-7	1,4-Dichlorobenzene	0.50	U	3.0	0.50
594-20-7	2,2-Dichloropropane	0.63	U	3.0	0.63
78-93-3	2-Butanone (MEK)	0.89	U	12	0.89
110-75-8	2-Chloroethyl vinyl ether	0.95	U	12	0.95
95-49-8	2-Chlorotoluene	0.50	U	3.0	0.50
591-78-6	2-Hexanone	1.0	U	12	1.0
106-43-4	4-Chlorotoluene	0.32	U	3.0	0.32
99-87-6	4-Isopropyltoluene	0.30	U	3.0	0.30
108-10-1	4-Methyl-2-pentanone (MIBK)	0.68	U	12	0.68
67-64-1	Acetone	3.2	J	12	2.8
71-43-2	Benzene	0.11	U	3.0	0.11
108-86-1	Bromobenzene	0.16	U	3.0	0.16
75-25-2	Bromoform	0.74	U	3.0	0.74
74-83-9	Bromomethane	0.62	U	3.0	0.62
75-15-0	Carbon disulfide	0.68	U	3.0	0.68
56-23-5	Carbon tetrachloride	0.22	U	3.0	0.22
108-90-7	Chlorobenzene	0.16	U	3.0	0.16
124-48-1	Chlorodibromomethane	0.24	U	3.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL18N-050916 | Lab Sample ID: 240-64634-24

Matrix: Solid | Lab File ID: UX83767.D

Analysis Method: 8260B | Date Collected: 05/09/2016 14:45

Sample wt/vol: 1.14(g) | Date Analyzed: 05/18/2016 06:59

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 59.2 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.62	U	3.0	0.62
67-66-3	Chloroform	0.44	U	3.0	0.44
74-87-3	Chloromethane	0.59	U	3.0	0.59
156-59-2	cis-1,2-Dichloroethene	0.46	U	3.0	0.46
10061-01-5	cis-1,3-Dichloropropene	0.27	U	3.0	0.27
74-95-3	Dibromomethane	0.61	U	3.0	0.61
74-97-5	Bromochloromethane	0.85	U	3.0	0.85
75-71-8	Dichlorodifluoromethane	0.74	U	3.0	0.74
75-27-4	Bromodichloromethane	0.46	U	3.0	0.46
75-65-0	tert-Butyl alcohol	10	U *	120	10
100-41-4	Ethylbenzene	0.43	U	3.0	0.43
87-68-3	Hexachlorobutadiene	0.54	U	3.0	0.54
108-20-3	Diisopropyl ether	0.63	U	6.1	0.63
98-82-8	Isopropylbenzene	0.16	U	3.0	0.16
1634-04-4	Methyl tert-butyl ether	0.37	U	3.0	0.37
75-09-2	Methylene Chloride	1.0	U	3.0	1.0
179601-23-1	m-Xylene & p-Xylene	0.24	U	3.0	0.24
91-20-3	Naphthalene	0.32	U	3.0	0.32
104-51-8	n-Butylbenzene	0.26	U	3.0	0.26
103-65-1	N-Propylbenzene	0.74	U	3.0	0.74
95-47-6	o-Xylene	0.21	U	3.0	0.21
135-98-8	sec-Butylbenzene	0.20	U	3.0	0.20
100-42-5	Styrene	0.33	U	3.0	0.33
994-05-8	Tert-amyl methyl ether	0.51	U	3.0	0.51
637-92-3	Ethyl tert-butyl ether	0.20	U	3.0	0.20
127-18-4	Tetrachloroethene	0.33	U	3.0	0.33
108-88-3	Toluene	0.95	J B *	3.0	0.12
156-60-5	trans-1,2-Dichloroethene	0.32	U	3.0	0.32
10061-02-6	trans-1,3-Dichloropropene	0.32	U	3.0	0.32
79-01-6	Trichloroethene	0.48	U	3.0	0.48
75-69-4	Trichlorofluoromethane	0.43	U	3.0	0.43
108-05-4	Vinyl acetate	1.3	U	6.1	1.3
75-01-4	Vinyl chloride	0.21	U	3.0	0.21
1330-20-7	Xylenes, Total	0.39	U	6.1	0.39
98-06-6	tert-Butylbenzene	0.41	U	3.0	0.41
106-93-4	1,2-Dibromoethane	0.39	U	3.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL18N-050916 Lab Sample ID: 240-64634-24

Matrix: Solid Lab File ID: UX83767.D

Analysis Method: 8260B Date Collected: 05/09/2016 14:45

Sample wt/vol: 1.14(g) Date Analyzed: 05/18/2016 06:59

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 59.2 Level: (low/med) Medium

Analysis Batch No.: 230734 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		33-134
1868-53-7	Dibromofluoromethane (Surr)	85		30-122
460-00-4	4-Bromofluorobenzene (Surr)	93		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL18N-050916 | Lab Sample ID: 240-64634-24

Matrix: Solid | Lab File ID: UX83767.D

Analysis Method: 8260B | Date Collected: 05/09/2016 14:45

Sample wt/vol: 1.14(g) | Date Analyzed: 05/18/2016 06:59

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 59.2 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

Number TICs Found: 1 | TIC Result Total: 4.9

CAS NO.	COMPOUND NAME	RT	RESULT	Q
66-25-1	Hexanal	7.10	4.9	T J N

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL18N-050916 | Lab Sample ID: 240-64634-24

Matrix: Solid | Lab File ID: UX83767.D

Analysis Method: 8260B | Date Collected: 05/09/2016 14:45

Sample wt/vol: 1.14(g) | Date Analyzed: 05/18/2016 06:59

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 59.2 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC		3.0	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL18S-050916 | Lab Sample ID: 240-64634-25

Matrix: Solid | Lab File ID: UX83768.D

Analysis Method: 8260B | Date Collected: 05/09/2016 15:20

Sample wt/vol: 1.23(g) | Date Analyzed: 05/18/2016 07:20

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 37.6 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.35	U	1.8	0.35
71-55-6	1,1,1-Trichloroethane	0.19	U	1.8	0.19
79-34-5	1,1,2,2-Tetrachloroethane	0.18	U	1.8	0.18
76-13-1	1,1,2-Trichlorotrifluoroethane	0.30	U	1.8	0.30
75-34-3	1,1-Dichloroethane	0.25	U	1.8	0.25
75-35-4	1,1-Dichloroethene	0.21	U	1.8	0.21
563-58-6	1,1-Dichloropropene	0.27	U	1.8	0.27
87-61-6	1,2,3-Trichlorobenzene	0.28	U	1.8	0.28
96-18-4	1,2,3-Trichloropropane	0.73	U	1.8	0.73
526-73-8	1,2,3-Trimethylbenzene	0.093	U	1.8	0.093
120-82-1	1,2,4-Trichlorobenzene	0.21	U	1.8	0.21
95-63-6	1,2,4-Trimethylbenzene	0.093	U	1.8	0.093
96-12-8	1,2-Dibromo-3-Chloropropane	0.51	U	3.6	0.51
95-50-1	1,2-Dichlorobenzene	0.14	U	1.8	0.14
107-06-2	1,2-Dichloroethane	0.071	U	1.8	0.071
78-87-5	1,2-Dichloropropane	0.23	U	1.8	0.23
541-73-1	1,3-Dichlorobenzene	0.21	U	1.8	0.21
142-28-9	1,3-Dichloropropane	0.16	U	1.8	0.16
106-46-7	1,4-Dichlorobenzene	0.29	U	1.8	0.29
594-20-7	2,2-Dichloropropane	0.37	U	1.8	0.37
78-93-3	2-Butanone (MEK)	0.52	U	7.1	0.52
110-75-8	2-Chloroethyl vinyl ether	0.56	U	7.1	0.56
95-49-8	2-Chlorotoluene	0.29	U	1.8	0.29
591-78-6	2-Hexanone	0.60	U	7.1	0.60
106-43-4	4-Chlorotoluene	0.19	U	1.8	0.19
99-87-6	4-Isopropyltoluene	0.18	U	1.8	0.18
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	U	7.1	0.40
67-64-1	Acetone	1.6	U	7.1	1.6
71-43-2	Benzene	0.064	U	1.8	0.064
108-86-1	Bromobenzene	0.093	U	1.8	0.093
75-25-2	Bromoform	0.43	U	1.8	0.43
74-83-9	Bromomethane	0.36	U	1.8	0.36
75-15-0	Carbon disulfide	0.40	U	1.8	0.40
56-23-5	Carbon tetrachloride	0.13	U	1.8	0.13
108-90-7	Chlorobenzene	0.093	U	1.8	0.093
124-48-1	Chlorodibromomethane	0.14	U	1.8	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL18S-050916 | Lab Sample ID: 240-64634-25

Matrix: Solid | Lab File ID: UX83768.D

Analysis Method: 8260B | Date Collected: 05/09/2016 15:20

Sample wt/vol: 1.23(g) | Date Analyzed: 05/18/2016 07:20

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 37.6 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.36	U	1.8	0.36
67-66-3	Chloroform	0.26	U	1.8	0.26
74-87-3	Chloromethane	0.34	U	1.8	0.34
156-59-2	cis-1,2-Dichloroethene	0.27	U	1.8	0.27
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.8	0.16
74-95-3	Dibromomethane	0.36	U	1.8	0.36
74-97-5	Bromochloromethane	0.50	U	1.8	0.50
75-71-8	Dichlorodifluoromethane	0.43	U	1.8	0.43
75-27-4	Bromodichloromethane	0.27	U	1.8	0.27
75-65-0	tert-Butyl alcohol	6.0	U *	71	6.0
100-41-4	Ethylbenzene	0.25	U	1.8	0.25
87-68-3	Hexachlorobutadiene	0.31	U	1.8	0.31
108-20-3	Diisopropyl ether	0.37	U	3.6	0.37
98-82-8	Isopropylbenzene	0.093	U	1.8	0.093
1634-04-4	Methyl tert-butyl ether	0.21	U	1.8	0.21
75-09-2	Methylene Chloride	0.61	U	1.8	0.61
179601-23-1	m-Xylene & p-Xylene	0.14	U	1.8	0.14
91-20-3	Naphthalene	0.19	U	1.8	0.19
104-51-8	n-Butylbenzene	0.15	U	1.8	0.15
103-65-1	N-Propylbenzene	0.43	U	1.8	0.43
95-47-6	o-Xylene	0.12	U	1.8	0.12
135-98-8	sec-Butylbenzene	0.11	U	1.8	0.11
100-42-5	Styrene	0.19	U	1.8	0.19
994-05-8	Tert-amyl methyl ether	0.30	U	1.8	0.30
637-92-3	Ethyl tert-butyl ether	0.11	U	1.8	0.11
127-18-4	Tetrachloroethene	0.19	U	1.8	0.19
108-88-3	Toluene	0.53	J B *	1.8	0.071
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.8	0.19
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.8	0.19
79-01-6	Trichloroethene	0.28	U	1.8	0.28
75-69-4	Trichlorofluoromethane	0.25	U	1.8	0.25
108-05-4	Vinyl acetate	0.73	U	3.6	0.73
75-01-4	Vinyl chloride	0.12	U	1.8	0.12
1330-20-7	Xylenes, Total	0.23	U	3.6	0.23
98-06-6	tert-Butylbenzene	0.24	U	1.8	0.24
106-93-4	1,2-Dibromoethane	0.23	U	1.8	0.23

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL18S-050916 | Lab Sample ID: 240-64634-25

Matrix: Solid | Lab File ID: UX83768.D

Analysis Method: 8260B | Date Collected: 05/09/2016 15:20

Sample wt/vol: 1.23(g) | Date Analyzed: 05/18/2016 07:20

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 37.6 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	91		33-134
1868-53-7	Dibromofluoromethane (Surr)	82		30-122
460-00-4	4-Bromofluorobenzene (Surr)	87		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL18S-050916 | Lab Sample ID: 240-64634-25

Matrix: Solid | Lab File ID: UX83768.D

Analysis Method: 8260B | Date Collected: 05/09/2016 15:20

Sample wt/vol: 1.23(g) | Date Analyzed: 05/18/2016 07:20

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 37.6 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL18S-050916 | Lab Sample ID: 240-64634-25

Matrix: Solid | Lab File ID: UX83768.D

Analysis Method: 8260B | Date Collected: 05/09/2016 15:20

Sample wt/vol: 1.23(g) | Date Analyzed: 05/18/2016 07:20

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 37.6 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC		1.8	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL3N-051016 | Lab Sample ID: 240-64678-1

Matrix: Solid | Lab File ID: UX83769.D

Analysis Method: 8260B | Date Collected: 05/10/2016 14:00

Sample wt/vol: 1.12(g) | Date Analyzed: 05/18/2016 07:41

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 6.667

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 60.4 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	4.2	U	21	4.2
71-55-6	1,1,1-Trichloroethane	2.3	U	21	2.3
79-34-5	1,1,2,2-Tetrachloroethane	2.1	U	21	2.1
76-13-1	1,1,2-Trichlorotrifluoroethane	3.6	U	21	3.6
75-34-3	1,1-Dichloroethane	3.0	U	21	3.0
75-35-4	1,1-Dichloroethene	2.6	U	21	2.6
563-58-6	1,1-Dichloropropene	3.2	U	21	3.2
87-61-6	1,2,3-Trichlorobenzene	3.3	U	21	3.3
96-18-4	1,2,3-Trichloropropane	8.8	U	21	8.8
526-73-8	1,2,3-Trimethylbenzene	1.1	U	21	1.1
120-82-1	1,2,4-Trichlorobenzene	2.6	U	21	2.6
95-63-6	1,2,4-Trimethylbenzene	1.1	U	21	1.1
96-12-8	1,2-Dibromo-3-Chloropropane	6.1	U	43	6.1
95-50-1	1,2-Dichlorobenzene	1.6	U	21	1.6
107-06-2	1,2-Dichloroethane	0.85	U	21	0.85
78-87-5	1,2-Dichloropropane	2.7	U	21	2.7
541-73-1	1,3-Dichlorobenzene	2.6	U	21	2.6
142-28-9	1,3-Dichloropropane	2.0	U	21	2.0
106-46-7	1,4-Dichlorobenzene	3.5	U	21	3.5
594-20-7	2,2-Dichloropropane	4.4	U	21	4.4
78-93-3	2-Butanone (MEK)	6.2	U	85	6.2
110-75-8	2-Chloroethyl vinyl ether	6.7	U	85	6.7
95-49-8	2-Chlorotoluene	3.5	U	21	3.5
591-78-6	2-Hexanone	7.2	U	85	7.2
106-43-4	4-Chlorotoluene	2.2	U	21	2.2
99-87-6	4-Isopropyltoluene	3.7	J	21	2.1
108-10-1	4-Methyl-2-pentanone (MIBK)	4.8	U	85	4.8
67-64-1	Acetone	19	U	85	19
71-43-2	Benzene	0.77	U	21	0.77
108-86-1	Bromobenzene	1.1	U	21	1.1
75-25-2	Bromoform	5.2	U	21	5.2
74-83-9	Bromomethane	4.4	U	21	4.4
75-15-0	Carbon disulfide	4.8	U	21	4.8
56-23-5	Carbon tetrachloride	1.5	U	21	1.5
108-90-7	Chlorobenzene	1.1	U	21	1.1
124-48-1	Chlorodibromomethane	1.7	U	21	1.7

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL3N-051016 | Lab Sample ID: 240-64678-1

Matrix: Solid | Lab File ID: UX83769.D

Analysis Method: 8260B | Date Collected: 05/10/2016 14:00

Sample wt/vol: 1.12(g) | Date Analyzed: 05/18/2016 07:41

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 6.667

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 60.4 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	4.4	U	21	4.4
67-66-3	Chloroform	3.1	U	21	3.1
74-87-3	Chloromethane	4.1	U	21	4.1
156-59-2	cis-1,2-Dichloroethene	3.2	U	21	3.2
10061-01-5	cis-1,3-Dichloropropene	1.9	U	21	1.9
74-95-3	Dibromomethane	4.3	U	21	4.3
74-97-5	Bromochloromethane	6.0	U	21	6.0
75-71-8	Dichlorodifluoromethane	5.2	U	21	5.2
75-27-4	Bromodichloromethane	3.2	U	21	3.2
75-65-0	tert-Butyl alcohol	72	U *	850	72
100-41-4	Ethylbenzene	3.0	U	21	3.0
87-68-3	Hexachlorobutadiene	3.8	U	21	3.8
108-20-3	Diisopropyl ether	4.4	U	43	4.4
98-82-8	Isopropylbenzene	1.1	U	21	1.1
1634-04-4	Methyl tert-butyl ether	2.6	U	21	2.6
75-09-2	Methylene Chloride	7.3	U	21	7.3
179601-23-1	m-Xylene & p-Xylene	1.7	U	21	1.7
91-20-3	Naphthalene	2.2	U	21	2.2
104-51-8	n-Butylbenzene	1.8	U	21	1.8
103-65-1	N-Propylbenzene	5.2	U	21	5.2
95-47-6	o-Xylene	1.5	U	21	1.5
135-98-8	sec-Butylbenzene	1.4	U	21	1.4
100-42-5	Styrene	2.3	U	21	2.3
994-05-8	Tert-amyl methyl ether	3.6	U	21	3.6
637-92-3	Ethyl tert-butyl ether	1.4	U	21	1.4
127-18-4	Tetrachloroethene	2.3	U	21	2.3
108-88-3	Toluene	1.3	J B *	21	0.85
156-60-5	trans-1,2-Dichloroethene	2.2	U	21	2.2
10061-02-6	trans-1,3-Dichloropropene	2.2	U	21	2.2
79-01-6	Trichloroethene	3.3	U	21	3.3
75-69-4	Trichlorofluoromethane	3.0	U	21	3.0
108-05-4	Vinyl acetate	8.8	U	43	8.8
75-01-4	Vinyl chloride	1.5	U	21	1.5
1330-20-7	Xylenes, Total	2.7	U	43	2.7
98-06-6	tert-Butylbenzene	2.9	U	21	2.9
106-93-4	1,2-Dibromoethane	2.7	U	21	2.7

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL3N-051016 Lab Sample ID: 240-64678-1

Matrix: Solid Lab File ID: UX83769.D

Analysis Method: 8260B Date Collected: 05/10/2016 14:00

Sample wt/vol: 1.12(g) Date Analyzed: 05/18/2016 07:41

Soil Aliquot Vol: 100 (uL) Dilution Factor: 6.667

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 60.4 Level: (low/med) Medium

Analysis Batch No.: 230734 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	194	X	33-134
1868-53-7	Dibromofluoromethane (Surr)	167	X	30-122
460-00-4	4-Bromofluorobenzene (Surr)	200	X	26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	184	X	39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL3N-051016 | Lab Sample ID: 240-64678-1

Matrix: Solid | Lab File ID: UX83769.D

Analysis Method: 8260B | Date Collected: 05/10/2016 14:00

Sample wt/vol: 1.12(g) | Date Analyzed: 05/18/2016 07:41

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 6.667

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 60.4 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

Number TICs Found: 3 | TIC Result Total: 2658

CAS NO.	COMPOUND NAME	RT	RESULT	Q
7785-70-8	1R-.alpha.-Pinene	8.61	1800	T J N
79-92-5	Camphene	8.89	88	T J N
127-91-3	.beta.-Pinene	9.24	770	T J N

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL3N-051016 | Lab Sample ID: 240-64678-1

Matrix: Solid | Lab File ID: UX83769.D

Analysis Method: 8260B | Date Collected: 05/10/2016 14:00

Sample wt/vol: 1.12(g) | Date Analyzed: 05/18/2016 07:41

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 6.667

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 60.4 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC		21	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL3S-051016 | Lab Sample ID: 240-64678-2

Matrix: Solid | Lab File ID: UX83770.D

Analysis Method: 8260B | Date Collected: 05/10/2016 14:30

Sample wt/vol: 1.28(g) | Date Analyzed: 05/18/2016 08:02

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 4

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 58.1 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	2.1	U	11	2.1
71-55-6	1,1,1-Trichloroethane	1.2	U	11	1.2
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	11	1.1
76-13-1	1,1,2-Trichlorotrifluoroethane	1.8	U	11	1.8
75-34-3	1,1-Dichloroethane	1.5	U	11	1.5
75-35-4	1,1-Dichloroethene	1.3	U	11	1.3
563-58-6	1,1-Dichloropropene	1.6	U	11	1.6
87-61-6	1,2,3-Trichlorobenzene	1.7	U	11	1.7
96-18-4	1,2,3-Trichloropropane	4.4	U	11	4.4
526-73-8	1,2,3-Trimethylbenzene	0.56	U	11	0.56
120-82-1	1,2,4-Trichlorobenzene	1.3	U	11	1.3
95-63-6	1,2,4-Trimethylbenzene	0.56	U	11	0.56
96-12-8	1,2-Dibromo-3-Chloropropane	3.0	U	21	3.0
95-50-1	1,2-Dichlorobenzene	0.81	U	11	0.81
107-06-2	1,2-Dichloroethane	0.43	U	11	0.43
78-87-5	1,2-Dichloropropane	1.4	U	11	1.4
541-73-1	1,3-Dichlorobenzene	1.3	U	11	1.3
142-28-9	1,3-Dichloropropane	0.99	U	11	0.99
106-46-7	1,4-Dichlorobenzene	1.8	U	11	1.8
594-20-7	2,2-Dichloropropane	2.2	U	11	2.2
78-93-3	2-Butanone (MEK)	3.1	U	43	3.1
110-75-8	2-Chloroethyl vinyl ether	3.3	U	43	3.3
95-49-8	2-Chlorotoluene	1.8	U	11	1.8
591-78-6	2-Hexanone	3.6	U	43	3.6
106-43-4	4-Chlorotoluene	1.1	U	11	1.1
99-87-6	4-Isopropyltoluene	4.0	J	11	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	2.4	U	43	2.4
67-64-1	Acetone	9.7	U	43	9.7
71-43-2	Benzene	0.39	U	11	0.39
108-86-1	Bromobenzene	0.56	U	11	0.56
75-25-2	Bromoform	2.6	U	11	2.6
74-83-9	Bromomethane	2.2	U	11	2.2
75-15-0	Carbon disulfide	2.4	U	11	2.4
56-23-5	Carbon tetrachloride	0.77	U	11	0.77
108-90-7	Chlorobenzene	0.56	U	11	0.56
124-48-1	Chlorodibromomethane	0.86	U	11	0.86

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL3S-051016 | Lab Sample ID: 240-64678-2

Matrix: Solid | Lab File ID: UX83770.D

Analysis Method: 8260B | Date Collected: 05/10/2016 14:30

Sample wt/vol: 1.28(g) | Date Analyzed: 05/18/2016 08:02

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 4

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 58.1 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	2.2	U	11	2.2
67-66-3	Chloroform	1.5	U	11	1.5
74-87-3	Chloromethane	2.1	U	11	2.1
156-59-2	cis-1,2-Dichloroethene	1.6	U	11	1.6
10061-01-5	cis-1,3-Dichloropropene	0.94	U	11	0.94
74-95-3	Dibromomethane	2.1	U	11	2.1
74-97-5	Bromochloromethane	3.0	U	11	3.0
75-71-8	Dichlorodifluoromethane	2.6	U	11	2.6
75-27-4	Bromodichloromethane	1.6	U	11	1.6
75-65-0	tert-Butyl alcohol	36	U *	430	36
100-41-4	Ethylbenzene	1.5	U	11	1.5
87-68-3	Hexachlorobutadiene	1.9	U	11	1.9
108-20-3	Diisopropyl ether	2.2	U	21	2.2
98-82-8	Isopropylbenzene	0.56	U	11	0.56
1634-04-4	Methyl tert-butyl ether	1.3	U	11	1.3
75-09-2	Methylene Chloride	3.6	U	11	3.6
179601-23-1	m-Xylene & p-Xylene	0.86	U	11	0.86
91-20-3	Naphthalene	1.1	U	11	1.1
104-51-8	n-Butylbenzene	0.90	U	11	0.90
103-65-1	N-Propylbenzene	2.6	U	11	2.6
95-47-6	o-Xylene	0.73	U	11	0.73
135-98-8	sec-Butylbenzene	0.69	U	11	0.69
100-42-5	Styrene	1.2	U	11	1.2
994-05-8	Tert-amyl methyl ether	1.8	U	11	1.8
637-92-3	Ethyl tert-butyl ether	0.69	U	11	0.69
127-18-4	Tetrachloroethene	1.2	U	11	1.2
108-88-3	Toluene	0.62	J B *	11	0.43
156-60-5	trans-1,2-Dichloroethene	1.1	U	11	1.1
10061-02-6	trans-1,3-Dichloropropene	1.1	U	11	1.1
79-01-6	Trichloroethene	1.7	U	11	1.7
75-69-4	Trichlorofluoromethane	1.5	U	11	1.5
108-05-4	Vinyl acetate	4.4	U	21	4.4
75-01-4	Vinyl chloride	0.73	U	11	0.73
1330-20-7	Xylenes, Total	1.4	U	21	1.4
98-06-6	tert-Butylbenzene	1.5	U	11	1.5
106-93-4	1,2-Dibromoethane	1.4	U	11	1.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL3S-051016 | Lab Sample ID: 240-64678-2

Matrix: Solid | Lab File ID: UX83770.D

Analysis Method: 8260B | Date Collected: 05/10/2016 14:30

Sample wt/vol: 1.28(g) | Date Analyzed: 05/18/2016 08:02

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 4

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 58.1 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	158	X	33-134
1868-53-7	Dibromofluoromethane (Surr)	138	X	30-122
460-00-4	4-Bromofluorobenzene (Surr)	159	X	26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	143	X	39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL3S-051016 | Lab Sample ID: 240-64678-2

Matrix: Solid | Lab File ID: UX83770.D

Analysis Method: 8260B | Date Collected: 05/10/2016 14:30

Sample wt/vol: 1.28(g) | Date Analyzed: 05/18/2016 08:02

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 4

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 58.1 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

Number TICs Found: 4 | TIC Result Total: 2536

CAS NO.	COMPOUND NAME	RT	RESULT	Q
80-56-8	.alpha.-Pinene	8.62	1800	T J N
79-92-5	Camphene	8.88	75	T J N
127-91-3	.beta.-Pinene	9.24	650	T J N
586-62-9	Cyclohexene, 1-methyl-4-(1-methylethylid	10.49	11	T J N

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL3S-051016 | Lab Sample ID: 240-64678-2

Matrix: Solid | Lab File ID: UX83770.D

Analysis Method: 8260B | Date Collected: 05/10/2016 14:30

Sample wt/vol: 1.28(g) | Date Analyzed: 05/18/2016 08:02

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 4

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 58.1 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC		11	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL11N-051016 | Lab Sample ID: 240-64678-3

Matrix: Solid | Lab File ID: UX83771.D

Analysis Method: 8260B | Date Collected: 05/10/2016 10:00

Sample wt/vol: 1.00(g) | Date Analyzed: 05/18/2016 08:24

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 39.4 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.44	U	2.2	0.44
71-55-6	1,1,1-Trichloroethane	0.24	U	2.2	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.22	U	2.2	0.22
76-13-1	1,1,2-Trichlorotrifluoroethane	0.37	U	2.2	0.37
75-34-3	1,1-Dichloroethane	0.31	U	2.2	0.31
75-35-4	1,1-Dichloroethene	0.27	U	2.2	0.27
563-58-6	1,1-Dichloropropene	0.34	U	2.2	0.34
87-61-6	1,2,3-Trichlorobenzene	0.35	U	2.2	0.35
96-18-4	1,2,3-Trichloropropane	0.92	U	2.2	0.92
526-73-8	1,2,3-Trimethylbenzene	0.12	U	2.2	0.12
120-82-1	1,2,4-Trichlorobenzene	0.27	U	2.2	0.27
95-63-6	1,2,4-Trimethylbenzene	0.12	U	2.2	0.12
96-12-8	1,2-Dibromo-3-Chloropropane	0.63	U	4.4	0.63
95-50-1	1,2-Dichlorobenzene	0.17	U	2.2	0.17
107-06-2	1,2-Dichloroethane	0.089	U	2.2	0.089
78-87-5	1,2-Dichloropropane	0.28	U	2.2	0.28
541-73-1	1,3-Dichlorobenzene	0.27	U	2.2	0.27
142-28-9	1,3-Dichloropropane	0.20	U	2.2	0.20
106-46-7	1,4-Dichlorobenzene	0.36	U	2.2	0.36
594-20-7	2,2-Dichloropropane	0.46	U	2.2	0.46
78-93-3	2-Butanone (MEK)	0.65	U	8.9	0.65
110-75-8	2-Chloroethyl vinyl ether	0.69	U	8.9	0.69
95-49-8	2-Chlorotoluene	0.36	U	2.2	0.36
591-78-6	2-Hexanone	0.75	U	8.9	0.75
106-43-4	4-Chlorotoluene	0.23	U	2.2	0.23
99-87-6	4-Isopropyltoluene	0.33	J	2.2	0.22
108-10-1	4-Methyl-2-pentanone (MIBK)	0.50	U	8.9	0.50
67-64-1	Acetone	3.3	J	8.9	2.0
71-43-2	Benzene	0.080	U	2.2	0.080
108-86-1	Bromobenzene	0.12	U	2.2	0.12
75-25-2	Bromoform	0.54	U	2.2	0.54
74-83-9	Bromomethane	0.45	U	2.2	0.45
75-15-0	Carbon disulfide	0.50	U	2.2	0.50
56-23-5	Carbon tetrachloride	0.16	U	2.2	0.16
108-90-7	Chlorobenzene	0.12	U	2.2	0.12
124-48-1	Chlorodibromomethane	0.18	U	2.2	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL11N-051016 | Lab Sample ID: 240-64678-3

Matrix: Solid | Lab File ID: UX83771.D

Analysis Method: 8260B | Date Collected: 05/10/2016 10:00

Sample wt/vol: 1.00(g) | Date Analyzed: 05/18/2016 08:24

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 39.4 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.45	U	2.2	0.45
67-66-3	Chloroform	0.32	U	2.2	0.32
74-87-3	Chloromethane	0.43	U	2.2	0.43
156-59-2	cis-1,2-Dichloroethene	0.34	U	2.2	0.34
10061-01-5	cis-1,3-Dichloropropene	0.20	U	2.2	0.20
74-95-3	Dibromomethane	0.44	U	2.2	0.44
74-97-5	Bromochloromethane	0.62	U	2.2	0.62
75-71-8	Dichlorodifluoromethane	0.54	U	2.2	0.54
75-27-4	Bromodichloromethane	0.34	U	2.2	0.34
75-65-0	tert-Butyl alcohol	7.4	U *	89	7.4
100-41-4	Ethylbenzene	0.31	U	2.2	0.31
87-68-3	Hexachlorobutadiene	0.39	U	2.2	0.39
108-20-3	Diisopropyl ether	0.46	U	4.4	0.46
98-82-8	Isopropylbenzene	0.12	U	2.2	0.12
1634-04-4	Methyl tert-butyl ether	0.27	U	2.2	0.27
75-09-2	Methylene Chloride	0.76	U	2.2	0.76
179601-23-1	m-Xylene & p-Xylene	0.18	U	2.2	0.18
91-20-3	Naphthalene	0.23	U	2.2	0.23
104-51-8	n-Butylbenzene	0.19	U	2.2	0.19
103-65-1	N-Propylbenzene	0.54	U	2.2	0.54
95-47-6	o-Xylene	0.15	U	2.2	0.15
135-98-8	sec-Butylbenzene	0.14	U	2.2	0.14
100-42-5	Styrene	0.24	U	2.2	0.24
994-05-8	Tert-amyl methyl ether	0.37	U	2.2	0.37
637-92-3	Ethyl tert-butyl ether	0.14	U	2.2	0.14
127-18-4	Tetrachloroethene	0.24	U	2.2	0.24
108-88-3	Toluene	0.70	J B *	2.2	0.089
156-60-5	trans-1,2-Dichloroethene	0.23	U	2.2	0.23
10061-02-6	trans-1,3-Dichloropropene	0.23	U	2.2	0.23
79-01-6	Trichloroethene	0.35	U	2.2	0.35
75-69-4	Trichlorofluoromethane	0.31	U	2.2	0.31
108-05-4	Vinyl acetate	0.92	U	4.4	0.92
75-01-4	Vinyl chloride	0.15	U	2.2	0.15
1330-20-7	Xylenes, Total	0.28	U	4.4	0.28
98-06-6	tert-Butylbenzene	0.30	U	2.2	0.30
106-93-4	1,2-Dibromoethane	0.28	U	2.2	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL11N-051016 | Lab Sample ID: 240-64678-3

Matrix: Solid | Lab File ID: UX83771.D

Analysis Method: 8260B | Date Collected: 05/10/2016 10:00

Sample wt/vol: 1.00(g) | Date Analyzed: 05/18/2016 08:24

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 39.4 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		33-134
1868-53-7	Dibromofluoromethane (Surr)	83		30-122
460-00-4	4-Bromofluorobenzene (Surr)	88		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL11N-051016 | Lab Sample ID: 240-64678-3

Matrix: Solid | Lab File ID: UX83771.D

Analysis Method: 8260B | Date Collected: 05/10/2016 10:00

Sample wt/vol: 1.00(g) | Date Analyzed: 05/18/2016 08:24

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 39.4 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL11N-051016 | Lab Sample ID: 240-64678-3

Matrix: Solid | Lab File ID: UX83771.D

Analysis Method: 8260B | Date Collected: 05/10/2016 10:00

Sample wt/vol: 1.00(g) | Date Analyzed: 05/18/2016 08:24

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 39.4 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC		2.2	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL11S-051016 | Lab Sample ID: 240-64678-4

Matrix: Solid | Lab File ID: UX83772.D

Analysis Method: 8260B | Date Collected: 05/10/2016 10:20

Sample wt/vol: 1.42(g) | Date Analyzed: 05/18/2016 08:45

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 40.3 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.32	U	1.6	0.32
71-55-6	1,1,1-Trichloroethane	0.18	U	1.6	0.18
79-34-5	1,1,2,2-Tetrachloroethane	0.16	U	1.6	0.16
76-13-1	1,1,2-Trichlorotrifluoroethane	0.28	U	1.6	0.28
75-34-3	1,1-Dichloroethane	0.23	U	1.6	0.23
75-35-4	1,1-Dichloroethene	0.20	U	1.6	0.20
563-58-6	1,1-Dichloropropene	0.25	U	1.6	0.25
87-61-6	1,2,3-Trichlorobenzene	0.26	U	1.6	0.26
96-18-4	1,2,3-Trichloropropane	0.68	U	1.6	0.68
526-73-8	1,2,3-Trimethylbenzene	0.085	U	1.6	0.085
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1.6	0.20
95-63-6	1,2,4-Trimethylbenzene	0.085	U	1.6	0.085
96-12-8	1,2-Dibromo-3-Chloropropane	0.47	U	3.3	0.47
95-50-1	1,2-Dichlorobenzene	0.12	U	1.6	0.12
107-06-2	1,2-Dichloroethane	0.066	U	1.6	0.066
78-87-5	1,2-Dichloropropane	0.21	U	1.6	0.21
541-73-1	1,3-Dichlorobenzene	0.20	U	1.6	0.20
142-28-9	1,3-Dichloropropane	0.15	U	1.6	0.15
106-46-7	1,4-Dichlorobenzene	0.27	U	1.6	0.27
594-20-7	2,2-Dichloropropane	0.34	U	1.6	0.34
78-93-3	2-Butanone (MEK)	0.48	U	6.6	0.48
110-75-8	2-Chloroethyl vinyl ether	0.51	U	6.6	0.51
95-49-8	2-Chlorotoluene	0.27	U	1.6	0.27
591-78-6	2-Hexanone	0.55	U	6.6	0.55
106-43-4	4-Chlorotoluene	0.17	U	1.6	0.17
99-87-6	4-Isopropyltoluene	0.16	U	1.6	0.16
108-10-1	4-Methyl-2-pentanone (MIBK)	0.37	U	6.6	0.37
67-64-1	Acetone	2.7	J	6.6	1.5
71-43-2	Benzene	0.059	U	1.6	0.059
108-86-1	Bromobenzene	0.085	U	1.6	0.085
75-25-2	Bromoform	0.40	U	1.6	0.40
74-83-9	Bromomethane	0.33	U	1.6	0.33
75-15-0	Carbon disulfide	0.37	U	1.6	0.37
56-23-5	Carbon tetrachloride	0.12	U	1.6	0.12
108-90-7	Chlorobenzene	0.085	U	1.6	0.085
124-48-1	Chlorodibromomethane	0.13	U	1.6	0.13

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL11S-051016 | Lab Sample ID: 240-64678-4

Matrix: Solid | Lab File ID: UX83772.D

Analysis Method: 8260B | Date Collected: 05/10/2016 10:20

Sample wt/vol: 1.42(g) | Date Analyzed: 05/18/2016 08:45

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 40.3 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.33	U	1.6	0.33
67-66-3	Chloroform	0.24	U	1.6	0.24
74-87-3	Chloromethane	0.32	U	1.6	0.32
156-59-2	cis-1,2-Dichloroethene	0.25	U	1.6	0.25
10061-01-5	cis-1,3-Dichloropropene	0.14	U	1.6	0.14
74-95-3	Dibromomethane	0.33	U	1.6	0.33
74-97-5	Bromochloromethane	0.46	U	1.6	0.46
75-71-8	Dichlorodifluoromethane	0.40	U	1.6	0.40
75-27-4	Bromodichloromethane	0.25	U	1.6	0.25
75-65-0	tert-Butyl alcohol	5.5	U *	66	5.5
100-41-4	Ethylbenzene	0.23	U	1.6	0.23
87-68-3	Hexachlorobutadiene	0.29	U	1.6	0.29
108-20-3	Diisopropyl ether	0.34	U	3.3	0.34
98-82-8	Isopropylbenzene	0.085	U	1.6	0.085
1634-04-4	Methyl tert-butyl ether	0.20	U	1.6	0.20
75-09-2	Methylene Chloride	0.56	U	1.6	0.56
179601-23-1	m-Xylene & p-Xylene	0.13	U	1.6	0.13
91-20-3	Naphthalene	0.17	U	1.6	0.17
104-51-8	n-Butylbenzene	0.14	U	1.6	0.14
103-65-1	N-Propylbenzene	0.40	U	1.6	0.40
95-47-6	o-Xylene	0.11	U	1.6	0.11
135-98-8	sec-Butylbenzene	0.11	U	1.6	0.11
100-42-5	Styrene	0.18	U	1.6	0.18
994-05-8	Tert-amyl methyl ether	0.28	U	1.6	0.28
637-92-3	Ethyl tert-butyl ether	0.11	U	1.6	0.11
127-18-4	Tetrachloroethene	0.18	U	1.6	0.18
108-88-3	Toluene	0.48	J B *	1.6	0.066
156-60-5	trans-1,2-Dichloroethene	0.17	U	1.6	0.17
10061-02-6	trans-1,3-Dichloropropene	0.17	U	1.6	0.17
79-01-6	Trichloroethene	0.26	U	1.6	0.26
75-69-4	Trichlorofluoromethane	0.23	U	1.6	0.23
108-05-4	Vinyl acetate	0.68	U	3.3	0.68
75-01-4	Vinyl chloride	0.11	U	1.6	0.11
1330-20-7	Xylenes, Total	0.21	U	3.3	0.21
98-06-6	tert-Butylbenzene	0.22	U	1.6	0.22
106-93-4	1,2-Dibromoethane	0.21	U	1.6	0.21

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL11S-051016 Lab Sample ID: 240-64678-4

Matrix: Solid Lab File ID: UX83772.D

Analysis Method: 8260B Date Collected: 05/10/2016 10:20

Sample wt/vol: 1.42(g) Date Analyzed: 05/18/2016 08:45

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 40.3 Level: (low/med) Medium

Analysis Batch No.: 230734 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	93		33-134
1868-53-7	Dibromofluoromethane (Surr)	83		30-122
460-00-4	4-Bromofluorobenzene (Surr)	85		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL11S-051016 | Lab Sample ID: 240-64678-4

Matrix: Solid | Lab File ID: UX83772.D

Analysis Method: 8260B | Date Collected: 05/10/2016 10:20

Sample wt/vol: 1.42(g) | Date Analyzed: 05/18/2016 08:45

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 40.3 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL11S-051016 | Lab Sample ID: 240-64678-4

Matrix: Solid | Lab File ID: UX83772.D

Analysis Method: 8260B | Date Collected: 05/10/2016 10:20

Sample wt/vol: 1.42(g) | Date Analyzed: 05/18/2016 08:45

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 40.3 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC		1.6	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL13N-051016 | Lab Sample ID: 240-64678-5

Matrix: Solid | Lab File ID: UX83773.D

Analysis Method: 8260B | Date Collected: 05/10/2016 10:45

Sample wt/vol: 1.07(g) | Date Analyzed: 05/18/2016 09:06

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 37.5 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.40	U	2.0	0.40
71-55-6	1,1,1-Trichloroethane	0.22	U	2.0	0.22
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	2.0	0.20
76-13-1	1,1,2-Trichlorotrifluoroethane	0.34	U	2.0	0.34
75-34-3	1,1-Dichloroethane	0.28	U	2.0	0.28
75-35-4	1,1-Dichloroethene	0.24	U	2.0	0.24
563-58-6	1,1-Dichloropropene	0.31	U	2.0	0.31
87-61-6	1,2,3-Trichlorobenzene	0.31	U	2.0	0.31
96-18-4	1,2,3-Trichloropropane	0.83	U	2.0	0.83
526-73-8	1,2,3-Trimethylbenzene	0.10	U	2.0	0.10
120-82-1	1,2,4-Trichlorobenzene	0.24	U	2.0	0.24
95-63-6	1,2,4-Trimethylbenzene	0.10	U	2.0	0.10
96-12-8	1,2-Dibromo-3-Chloropropane	0.57	U	4.0	0.57
95-50-1	1,2-Dichlorobenzene	0.15	U	2.0	0.15
107-06-2	1,2-Dichloroethane	0.081	U	2.0	0.081
78-87-5	1,2-Dichloropropane	0.26	U	2.0	0.26
541-73-1	1,3-Dichlorobenzene	0.24	U	2.0	0.24
142-28-9	1,3-Dichloropropane	0.19	U	2.0	0.19
106-46-7	1,4-Dichlorobenzene	0.33	U	2.0	0.33
594-20-7	2,2-Dichloropropane	0.42	U	2.0	0.42
78-93-3	2-Butanone (MEK)	0.59	U	8.1	0.59
110-75-8	2-Chloroethyl vinyl ether	0.63	U	8.1	0.63
95-49-8	2-Chlorotoluene	0.33	U	2.0	0.33
591-78-6	2-Hexanone	0.68	U	8.1	0.68
106-43-4	4-Chlorotoluene	0.21	U	2.0	0.21
99-87-6	4-Isopropyltoluene	0.20	U	2.0	0.20
108-10-1	4-Methyl-2-pentanone (MIBK)	0.45	U	8.1	0.45
67-64-1	Acetone	1.8	U	8.1	1.8
71-43-2	Benzene	0.073	U	2.0	0.073
108-86-1	Bromobenzene	0.10	U	2.0	0.10
75-25-2	Bromoform	0.49	U	2.0	0.49
74-83-9	Bromomethane	0.41	U	2.0	0.41
75-15-0	Carbon disulfide	0.45	U	2.0	0.45
56-23-5	Carbon tetrachloride	0.15	U	2.0	0.15
108-90-7	Chlorobenzene	0.10	U	2.0	0.10
124-48-1	Chlorodibromomethane	0.16	U	2.0	0.16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL13N-051016 | Lab Sample ID: 240-64678-5

Matrix: Solid | Lab File ID: UX83773.D

Analysis Method: 8260B | Date Collected: 05/10/2016 10:45

Sample wt/vol: 1.07(g) | Date Analyzed: 05/18/2016 09:06

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 37.5 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.41	U	2.0	0.41
67-66-3	Chloroform	0.29	U	2.0	0.29
74-87-3	Chloromethane	0.39	U	2.0	0.39
156-59-2	cis-1,2-Dichloroethene	0.31	U	2.0	0.31
10061-01-5	cis-1,3-Dichloropropene	0.18	U	2.0	0.18
74-95-3	Dibromomethane	0.40	U	2.0	0.40
74-97-5	Bromochloromethane	0.57	U	2.0	0.57
75-71-8	Dichlorodifluoromethane	0.49	U	2.0	0.49
75-27-4	Bromodichloromethane	0.31	U	2.0	0.31
75-65-0	tert-Butyl alcohol	6.8	U *	81	6.8
100-41-4	Ethylbenzene	0.28	U	2.0	0.28
87-68-3	Hexachlorobutadiene	0.36	U	2.0	0.36
108-20-3	Diisopropyl ether	0.42	U	4.0	0.42
98-82-8	Isopropylbenzene	0.10	U	2.0	0.10
1634-04-4	Methyl tert-butyl ether	0.24	U	2.0	0.24
75-09-2	Methylene Chloride	0.69	U	2.0	0.69
179601-23-1	m-Xylene & p-Xylene	0.16	U	2.0	0.16
91-20-3	Naphthalene	0.21	U	2.0	0.21
104-51-8	n-Butylbenzene	0.17	U	2.0	0.17
103-65-1	N-Propylbenzene	0.49	U	2.0	0.49
95-47-6	o-Xylene	0.14	U	2.0	0.14
135-98-8	sec-Butylbenzene	0.13	U	2.0	0.13
100-42-5	Styrene	0.22	U	2.0	0.22
994-05-8	Tert-amyl methyl ether	0.34	U	2.0	0.34
637-92-3	Ethyl tert-butyl ether	0.13	U	2.0	0.13
127-18-4	Tetrachloroethene	0.22	U	2.0	0.22
108-88-3	Toluene	0.62	J B *	2.0	0.081
156-60-5	trans-1,2-Dichloroethene	0.21	U	2.0	0.21
10061-02-6	trans-1,3-Dichloropropene	0.21	U	2.0	0.21
79-01-6	Trichloroethene	0.31	U	2.0	0.31
75-69-4	Trichlorofluoromethane	0.28	U	2.0	0.28
108-05-4	Vinyl acetate	0.83	U	4.0	0.83
75-01-4	Vinyl chloride	0.14	U	2.0	0.14
1330-20-7	Xylenes, Total	0.26	U	4.0	0.26
98-06-6	tert-Butylbenzene	0.27	U	2.0	0.27
106-93-4	1,2-Dibromoethane	0.26	U	2.0	0.26

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL13N-051016 Lab Sample ID: 240-64678-5

Matrix: Solid Lab File ID: UX83773.D

Analysis Method: 8260B Date Collected: 05/10/2016 10:45

Sample wt/vol: 1.07(g) Date Analyzed: 05/18/2016 09:06

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 37.5 Level: (low/med) Medium

Analysis Batch No.: 230734 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		33-134
1868-53-7	Dibromofluoromethane (Surr)	86		30-122
460-00-4	4-Bromofluorobenzene (Surr)	89		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL13N-051016 | Lab Sample ID: 240-64678-5

Matrix: Solid | Lab File ID: UX83773.D

Analysis Method: 8260B | Date Collected: 05/10/2016 10:45

Sample wt/vol: 1.07(g) | Date Analyzed: 05/18/2016 09:06

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 37.5 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL13N-051016 | Lab Sample ID: 240-64678-5

Matrix: Solid | Lab File ID: UX83773.D

Analysis Method: 8260B | Date Collected: 05/10/2016 10:45

Sample wt/vol: 1.07(g) | Date Analyzed: 05/18/2016 09:06

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 37.5 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC		2.0	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL13S-051016 | Lab Sample ID: 240-64678-6

Matrix: Solid | Lab File ID: UX83774.D

Analysis Method: 8260B | Date Collected: 05/10/2016 11:00

Sample wt/vol: 1.16(g) | Date Analyzed: 05/18/2016 09:27

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 40.8 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.39	U	2.0	0.39
71-55-6	1,1,1-Trichloroethane	0.22	U	2.0	0.22
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	2.0	0.20
76-13-1	1,1,2-Trichlorotrifluoroethane	0.33	U	2.0	0.33
75-34-3	1,1-Dichloroethane	0.28	U	2.0	0.28
75-35-4	1,1-Dichloroethene	0.24	U	2.0	0.24
563-58-6	1,1-Dichloropropene	0.30	U	2.0	0.30
87-61-6	1,2,3-Trichlorobenzene	0.31	U	2.0	0.31
96-18-4	1,2,3-Trichloropropane	0.82	U	2.0	0.82
526-73-8	1,2,3-Trimethylbenzene	0.10	U	2.0	0.10
120-82-1	1,2,4-Trichlorobenzene	0.24	U	2.0	0.24
95-63-6	1,2,4-Trimethylbenzene	0.10	U	2.0	0.10
96-12-8	1,2-Dibromo-3-Chloropropane	0.57	U	4.0	0.57
95-50-1	1,2-Dichlorobenzene	0.15	U	2.0	0.15
107-06-2	1,2-Dichloroethane	0.080	U	2.0	0.080
78-87-5	1,2-Dichloropropane	0.26	U	2.0	0.26
541-73-1	1,3-Dichlorobenzene	0.24	U	2.0	0.24
142-28-9	1,3-Dichloropropane	0.18	U	2.0	0.18
106-46-7	1,4-Dichlorobenzene	0.33	U	2.0	0.33
594-20-7	2,2-Dichloropropane	0.41	U	2.0	0.41
78-93-3	2-Butanone (MEK)	0.58	U	8.0	0.58
110-75-8	2-Chloroethyl vinyl ether	0.62	U	8.0	0.62
95-49-8	2-Chlorotoluene	0.33	U	2.0	0.33
591-78-6	2-Hexanone	0.67	U	8.0	0.67
106-43-4	4-Chlorotoluene	0.21	U	2.0	0.21
99-87-6	4-Isopropyltoluene	0.20	U	2.0	0.20
108-10-1	4-Methyl-2-pentanone (MIBK)	0.45	U	8.0	0.45
67-64-1	Acetone	1.8	U	8.0	1.8
71-43-2	Benzene	0.072	U	2.0	0.072
108-86-1	Bromobenzene	0.10	U	2.0	0.10
75-25-2	Bromoform	0.49	U	2.0	0.49
74-83-9	Bromomethane	0.41	U	2.0	0.41
75-15-0	Carbon disulfide	0.45	U	2.0	0.45
56-23-5	Carbon tetrachloride	0.14	U	2.0	0.14
108-90-7	Chlorobenzene	0.10	U	2.0	0.10
124-48-1	Chlorodibromomethane	0.16	U	2.0	0.16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL13S-051016 | Lab Sample ID: 240-64678-6

Matrix: Solid | Lab File ID: UX83774.D

Analysis Method: 8260B | Date Collected: 05/10/2016 11:00

Sample wt/vol: 1.16(g) | Date Analyzed: 05/18/2016 09:27

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 40.8 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.41	U	2.0	0.41
67-66-3	Chloroform	0.29	U	2.0	0.29
74-87-3	Chloromethane	0.38	U	2.0	0.38
156-59-2	cis-1,2-Dichloroethene	0.30	U	2.0	0.30
10061-01-5	cis-1,3-Dichloropropene	0.18	U	2.0	0.18
74-95-3	Dibromomethane	0.40	U	2.0	0.40
74-97-5	Bromochloromethane	0.56	U	2.0	0.56
75-71-8	Dichlorodifluoromethane	0.49	U	2.0	0.49
75-27-4	Bromodichloromethane	0.30	U	2.0	0.30
75-65-0	tert-Butyl alcohol	6.7	U *	80	6.7
100-41-4	Ethylbenzene	0.28	U	2.0	0.28
87-68-3	Hexachlorobutadiene	0.35	U	2.0	0.35
108-20-3	Diisopropyl ether	0.41	U	4.0	0.41
98-82-8	Isopropylbenzene	0.10	U	2.0	0.10
1634-04-4	Methyl tert-butyl ether	0.24	U	2.0	0.24
75-09-2	Methylene Chloride	0.68	U	2.0	0.68
179601-23-1	m-Xylene & p-Xylene	0.16	U	2.0	0.16
91-20-3	Naphthalene	0.21	U	2.0	0.21
104-51-8	n-Butylbenzene	0.17	U	2.0	0.17
103-65-1	N-Propylbenzene	0.49	U	2.0	0.49
95-47-6	o-Xylene	0.14	U	2.0	0.14
135-98-8	sec-Butylbenzene	0.13	U	2.0	0.13
100-42-5	Styrene	0.22	U	2.0	0.22
994-05-8	Tert-amyl methyl ether	0.33	U	2.0	0.33
637-92-3	Ethyl tert-butyl ether	0.13	U	2.0	0.13
127-18-4	Tetrachloroethene	0.22	U	2.0	0.22
108-88-3	Toluene	0.41	J B *	2.0	0.080
156-60-5	trans-1,2-Dichloroethene	0.21	U	2.0	0.21
10061-02-6	trans-1,3-Dichloropropene	0.21	U	2.0	0.21
79-01-6	Trichloroethene	0.31	U	2.0	0.31
75-69-4	Trichlorofluoromethane	0.28	U	2.0	0.28
108-05-4	Vinyl acetate	0.82	U	4.0	0.82
75-01-4	Vinyl chloride	0.14	U	2.0	0.14
1330-20-7	Xylenes, Total	0.26	U	4.0	0.26
98-06-6	tert-Butylbenzene	0.27	U	2.0	0.27
106-93-4	1,2-Dibromoethane	0.26	U	2.0	0.26

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL13S-051016 Lab Sample ID: 240-64678-6

Matrix: Solid Lab File ID: UX83774.D

Analysis Method: 8260B Date Collected: 05/10/2016 11:00

Sample wt/vol: 1.16(g) Date Analyzed: 05/18/2016 09:27

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 40.8 Level: (low/med) Medium

Analysis Batch No.: 230734 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		33-134
1868-53-7	Dibromofluoromethane (Surr)	84		30-122
460-00-4	4-Bromofluorobenzene (Surr)	88		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL13S-051016 | Lab Sample ID: 240-64678-6

Matrix: Solid | Lab File ID: UX83774.D

Analysis Method: 8260B | Date Collected: 05/10/2016 11:00

Sample wt/vol: 1.16(g) | Date Analyzed: 05/18/2016 09:27

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 40.8 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL13S-051016 | Lab Sample ID: 240-64678-6

Matrix: Solid | Lab File ID: UX83774.D

Analysis Method: 8260B | Date Collected: 05/10/2016 11:00

Sample wt/vol: 1.16(g) | Date Analyzed: 05/18/2016 09:27

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 40.8 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC		2.0	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL14N-051016 | Lab Sample ID: 240-64678-7

Matrix: Solid | Lab File ID: UX83775.D

Analysis Method: 8260B | Date Collected: 05/10/2016 12:50

Sample wt/vol: 1.14(g) | Date Analyzed: 05/18/2016 09:48

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 42.7 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.41	U	2.1	0.41
71-55-6	1,1,1-Trichloroethane	0.23	U	2.1	0.23
79-34-5	1,1,2,2-Tetrachloroethane	0.21	U	2.1	0.21
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	2.1	0.35
75-34-3	1,1-Dichloroethane	0.29	U	2.1	0.29
75-35-4	1,1-Dichloroethene	0.25	U	2.1	0.25
563-58-6	1,1-Dichloropropene	0.32	U	2.1	0.32
87-61-6	1,2,3-Trichlorobenzene	0.33	U	2.1	0.33
96-18-4	1,2,3-Trichloropropane	0.87	U	2.1	0.87
526-73-8	1,2,3-Trimethylbenzene	0.11	U	2.1	0.11
120-82-1	1,2,4-Trichlorobenzene	0.25	U	2.1	0.25
95-63-6	1,2,4-Trimethylbenzene	0.11	U	2.1	0.11
96-12-8	1,2-Dibromo-3-Chloropropane	0.60	U	4.2	0.60
95-50-1	1,2-Dichlorobenzene	0.16	U	2.1	0.16
107-06-2	1,2-Dichloroethane	0.084	U	2.1	0.084
78-87-5	1,2-Dichloropropane	0.27	U	2.1	0.27
541-73-1	1,3-Dichlorobenzene	0.25	U	2.1	0.25
142-28-9	1,3-Dichloropropane	0.19	U	2.1	0.19
106-46-7	1,4-Dichlorobenzene	0.34	U	2.1	0.34
594-20-7	2,2-Dichloropropane	0.44	U	2.1	0.44
78-93-3	2-Butanone (MEK)	0.61	U	8.4	0.61
110-75-8	2-Chloroethyl vinyl ether	0.66	U	8.4	0.66
95-49-8	2-Chlorotoluene	0.34	U	2.1	0.34
591-78-6	2-Hexanone	0.71	U	8.4	0.71
106-43-4	4-Chlorotoluene	0.22	U	2.1	0.22
99-87-6	4-Isopropyltoluene	0.21	U	2.1	0.21
108-10-1	4-Methyl-2-pentanone (MIBK)	0.47	U	8.4	0.47
67-64-1	Acetone	1.9	U	8.4	1.9
71-43-2	Benzene	0.076	U	2.1	0.076
108-86-1	Bromobenzene	0.11	U	2.1	0.11
75-25-2	Bromoform	0.51	U	2.1	0.51
74-83-9	Bromomethane	0.43	U	2.1	0.43
75-15-0	Carbon disulfide	0.47	U	2.1	0.47
56-23-5	Carbon tetrachloride	0.15	U	2.1	0.15
108-90-7	Chlorobenzene	0.11	U	2.1	0.11
124-48-1	Chlorodibromomethane	0.17	U	2.1	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL14N-051016 | Lab Sample ID: 240-64678-7

Matrix: Solid | Lab File ID: UX83775.D

Analysis Method: 8260B | Date Collected: 05/10/2016 12:50

Sample wt/vol: 1.14(g) | Date Analyzed: 05/18/2016 09:48

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 42.7 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.43	U	2.1	0.43
67-66-3	Chloroform	0.30	U	2.1	0.30
74-87-3	Chloromethane	0.40	U	2.1	0.40
156-59-2	cis-1,2-Dichloroethene	0.32	U	2.1	0.32
10061-01-5	cis-1,3-Dichloropropene	0.18	U	2.1	0.18
74-95-3	Dibromomethane	0.42	U	2.1	0.42
74-97-5	Bromochloromethane	0.59	U	2.1	0.59
75-71-8	Dichlorodifluoromethane	0.51	U	2.1	0.51
75-27-4	Bromodichloromethane	0.32	U	2.1	0.32
75-65-0	tert-Butyl alcohol	7.0	U *	84	7.0
100-41-4	Ethylbenzene	0.29	U	2.1	0.29
87-68-3	Hexachlorobutadiene	0.37	U	2.1	0.37
108-20-3	Diisopropyl ether	0.44	U	4.2	0.44
98-82-8	Isopropylbenzene	0.11	U	2.1	0.11
1634-04-4	Methyl tert-butyl ether	0.25	U	2.1	0.25
75-09-2	Methylene Chloride	0.71	U	2.1	0.71
179601-23-1	m-Xylene & p-Xylene	0.17	U	2.1	0.17
91-20-3	Naphthalene	0.22	U	2.1	0.22
104-51-8	n-Butylbenzene	0.18	U	2.1	0.18
103-65-1	N-Propylbenzene	0.51	U	2.1	0.51
95-47-6	o-Xylene	0.14	U	2.1	0.14
135-98-8	sec-Butylbenzene	0.13	U	2.1	0.13
100-42-5	Styrene	0.23	U	2.1	0.23
994-05-8	Tert-amyl methyl ether	0.35	U	2.1	0.35
637-92-3	Ethyl tert-butyl ether	0.13	U	2.1	0.13
127-18-4	Tetrachloroethene	0.23	U	2.1	0.23
108-88-3	Toluene	0.63	J B *	2.1	0.084
156-60-5	trans-1,2-Dichloroethene	0.22	U	2.1	0.22
10061-02-6	trans-1,3-Dichloropropene	0.22	U	2.1	0.22
79-01-6	Trichloroethene	0.33	U	2.1	0.33
75-69-4	Trichlorofluoromethane	0.29	U	2.1	0.29
108-05-4	Vinyl acetate	0.87	U	4.2	0.87
75-01-4	Vinyl chloride	0.14	U	2.1	0.14
1330-20-7	Xylenes, Total	0.27	U	4.2	0.27
98-06-6	tert-Butylbenzene	0.29	U	2.1	0.29
106-93-4	1,2-Dibromoethane	0.27	U	2.1	0.27

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL14N-051016 | Lab Sample ID: 240-64678-7

Matrix: Solid | Lab File ID: UX83775.D

Analysis Method: 8260B | Date Collected: 05/10/2016 12:50

Sample wt/vol: 1.14(g) | Date Analyzed: 05/18/2016 09:48

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 42.7 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	91		33-134
1868-53-7	Dibromofluoromethane (Surr)	80		30-122
460-00-4	4-Bromofluorobenzene (Surr)	82		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL14N-051016 | Lab Sample ID: 240-64678-7

Matrix: Solid | Lab File ID: UX83775.D

Analysis Method: 8260B | Date Collected: 05/10/2016 12:50

Sample wt/vol: 1.14(g) | Date Analyzed: 05/18/2016 09:48

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 42.7 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL14N-051016 | Lab Sample ID: 240-64678-7

Matrix: Solid | Lab File ID: UX83775.D

Analysis Method: 8260B | Date Collected: 05/10/2016 12:50

Sample wt/vol: 1.14(g) | Date Analyzed: 05/18/2016 09:48

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 42.7 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC		2.1	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL14S-051016 | Lab Sample ID: 240-64678-8

Matrix: Solid | Lab File ID: UX83776.D

Analysis Method: 8260B | Date Collected: 05/10/2016 13:20

Sample wt/vol: 1.45(g) | Date Analyzed: 05/18/2016 10:09

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 41.1 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.32	U	1.6	0.32
71-55-6	1,1,1-Trichloroethane	0.18	U	1.6	0.18
79-34-5	1,1,2,2-Tetrachloroethane	0.16	U	1.6	0.16
76-13-1	1,1,2-Trichlorotrifluoroethane	0.28	U	1.6	0.28
75-34-3	1,1-Dichloroethane	0.23	U	1.6	0.23
75-35-4	1,1-Dichloroethene	0.20	U	1.6	0.20
563-58-6	1,1-Dichloropropene	0.25	U	1.6	0.25
87-61-6	1,2,3-Trichlorobenzene	0.26	U	1.6	0.26
96-18-4	1,2,3-Trichloropropane	0.67	U	1.6	0.67
526-73-8	1,2,3-Trimethylbenzene	0.085	U	1.6	0.085
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1.6	0.20
95-63-6	1,2,4-Trimethylbenzene	0.085	U	1.6	0.085
96-12-8	1,2-Dibromo-3-Chloropropane	0.47	U	3.3	0.47
95-50-1	1,2-Dichlorobenzene	0.12	U	1.6	0.12
107-06-2	1,2-Dichloroethane	0.066	U	1.6	0.066
78-87-5	1,2-Dichloropropane	0.21	U	1.6	0.21
541-73-1	1,3-Dichlorobenzene	0.20	U	1.6	0.20
142-28-9	1,3-Dichloropropane	0.15	U	1.6	0.15
106-46-7	1,4-Dichlorobenzene	0.27	U	1.6	0.27
594-20-7	2,2-Dichloropropane	0.34	U	1.6	0.34
78-93-3	2-Butanone (MEK)	0.48	U	6.6	0.48
110-75-8	2-Chloroethyl vinyl ether	0.51	U	6.6	0.51
95-49-8	2-Chlorotoluene	0.27	U	1.6	0.27
591-78-6	2-Hexanone	0.55	U	6.6	0.55
106-43-4	4-Chlorotoluene	0.17	U	1.6	0.17
99-87-6	4-Isopropyltoluene	0.16	U	1.6	0.16
108-10-1	4-Methyl-2-pentanone (MIBK)	0.37	U	6.6	0.37
67-64-1	Acetone	1.5	U	6.6	1.5
71-43-2	Benzene	0.059	U	1.6	0.059
108-86-1	Bromobenzene	0.085	U	1.6	0.085
75-25-2	Bromoform	0.40	U	1.6	0.40
74-83-9	Bromomethane	0.33	U	1.6	0.33
75-15-0	Carbon disulfide	0.37	U	1.6	0.37
56-23-5	Carbon tetrachloride	0.12	U	1.6	0.12
108-90-7	Chlorobenzene	0.085	U	1.6	0.085
124-48-1	Chlorodibromomethane	0.13	U	1.6	0.13

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL14S-051016 | Lab Sample ID: 240-64678-8

Matrix: Solid | Lab File ID: UX83776.D

Analysis Method: 8260B | Date Collected: 05/10/2016 13:20

Sample wt/vol: 1.45(g) | Date Analyzed: 05/18/2016 10:09

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 41.1 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.33	U	1.6	0.33
67-66-3	Chloroform	0.24	U	1.6	0.24
74-87-3	Chloromethane	0.31	U	1.6	0.31
156-59-2	cis-1,2-Dichloroethene	0.25	U	1.6	0.25
10061-01-5	cis-1,3-Dichloropropene	0.14	U	1.6	0.14
74-95-3	Dibromomethane	0.33	U	1.6	0.33
74-97-5	Bromochloromethane	0.46	U	1.6	0.46
75-71-8	Dichlorodifluoromethane	0.40	U	1.6	0.40
75-27-4	Bromodichloromethane	0.25	U	1.6	0.25
75-65-0	tert-Butyl alcohol	5.5	U *	66	5.5
100-41-4	Ethylbenzene	0.23	U	1.6	0.23
87-68-3	Hexachlorobutadiene	0.29	U	1.6	0.29
108-20-3	Diisopropyl ether	0.34	U	3.3	0.34
98-82-8	Isopropylbenzene	0.085	U	1.6	0.085
1634-04-4	Methyl tert-butyl ether	0.20	U	1.6	0.20
75-09-2	Methylene Chloride	0.56	U	1.6	0.56
179601-23-1	m-Xylene & p-Xylene	0.13	U	1.6	0.13
91-20-3	Naphthalene	0.17	U	1.6	0.17
104-51-8	n-Butylbenzene	0.14	U	1.6	0.14
103-65-1	N-Propylbenzene	0.40	U	1.6	0.40
95-47-6	o-Xylene	0.11	U	1.6	0.11
135-98-8	sec-Butylbenzene	0.10	U	1.6	0.10
100-42-5	Styrene	0.18	U	1.6	0.18
994-05-8	Tert-amyl methyl ether	0.28	U	1.6	0.28
637-92-3	Ethyl tert-butyl ether	0.10	U	1.6	0.10
127-18-4	Tetrachloroethene	0.18	U	1.6	0.18
108-88-3	Toluene	0.28	J B *	1.6	0.066
156-60-5	trans-1,2-Dichloroethene	0.17	U	1.6	0.17
10061-02-6	trans-1,3-Dichloropropene	0.17	U	1.6	0.17
79-01-6	Trichloroethene	0.26	U	1.6	0.26
75-69-4	Trichlorofluoromethane	0.23	U	1.6	0.23
108-05-4	Vinyl acetate	0.67	U	3.3	0.67
75-01-4	Vinyl chloride	0.11	U	1.6	0.11
1330-20-7	Xylenes, Total	0.21	U	3.3	0.21
98-06-6	tert-Butylbenzene	0.22	U	1.6	0.22
106-93-4	1,2-Dibromoethane	0.21	U	1.6	0.21

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL14S-051016 Lab Sample ID: 240-64678-8

Matrix: Solid Lab File ID: UX83776.D

Analysis Method: 8260B Date Collected: 05/10/2016 13:20

Sample wt/vol: 1.45(g) Date Analyzed: 05/18/2016 10:09

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 41.1 Level: (low/med) Medium

Analysis Batch No.: 230734 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	92		33-134
1868-53-7	Dibromofluoromethane (Surr)	81		30-122
460-00-4	4-Bromofluorobenzene (Surr)	84		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL14S-051016 | Lab Sample ID: 240-64678-8

Matrix: Solid | Lab File ID: UX83776.D

Analysis Method: 8260B | Date Collected: 05/10/2016 13:20

Sample wt/vol: 1.45(g) | Date Analyzed: 05/18/2016 10:09

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 41.1 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL14S-051016 | Lab Sample ID: 240-64678-8

Matrix: Solid | Lab File ID: UX83776.D

Analysis Method: 8260B | Date Collected: 05/10/2016 13:20

Sample wt/vol: 1.45(g) | Date Analyzed: 05/18/2016 10:09

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 41.1 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC		1.6	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL15N-051016 | Lab Sample ID: 240-64678-9

Matrix: Solid | Lab File ID: UX83777.D

Analysis Method: 8260B | Date Collected: 05/10/2016 11:30

Sample wt/vol: 1.00(g) | Date Analyzed: 05/18/2016 10:31

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.3 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	2.2	0.43
71-55-6	1,1,1-Trichloroethane	0.24	U	2.2	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.22	U	2.2	0.22
76-13-1	1,1,2-Trichlorotrifluoroethane	0.37	U	2.2	0.37
75-34-3	1,1-Dichloroethane	0.31	U	2.2	0.31
75-35-4	1,1-Dichloroethene	0.26	U	2.2	0.26
563-58-6	1,1-Dichloropropene	0.33	U	2.2	0.33
87-61-6	1,2,3-Trichlorobenzene	0.34	U	2.2	0.34
96-18-4	1,2,3-Trichloropropane	0.90	U	2.2	0.90
526-73-8	1,2,3-Trimethylbenzene	0.11	U	2.2	0.11
120-82-1	1,2,4-Trichlorobenzene	0.26	U	2.2	0.26
95-63-6	1,2,4-Trimethylbenzene	0.11	U	2.2	0.11
96-12-8	1,2-Dibromo-3-Chloropropane	0.62	U	4.4	0.62
95-50-1	1,2-Dichlorobenzene	0.17	U	2.2	0.17
107-06-2	1,2-Dichloroethane	0.087	U	2.2	0.087
78-87-5	1,2-Dichloropropane	0.28	U	2.2	0.28
541-73-1	1,3-Dichlorobenzene	0.26	U	2.2	0.26
142-28-9	1,3-Dichloropropane	0.20	U	2.2	0.20
106-46-7	1,4-Dichlorobenzene	0.36	U	2.2	0.36
594-20-7	2,2-Dichloropropane	0.45	U	2.2	0.45
78-93-3	2-Butanone (MEK)	0.64	U	8.7	0.64
110-75-8	2-Chloroethyl vinyl ether	0.68	U	8.7	0.68
95-49-8	2-Chlorotoluene	0.36	U	2.2	0.36
591-78-6	2-Hexanone	0.73	U	8.7	0.73
106-43-4	4-Chlorotoluene	0.23	U	2.2	0.23
99-87-6	4-Isopropyltoluene	0.22	U	2.2	0.22
108-10-1	4-Methyl-2-pentanone (MIBK)	0.49	U	8.7	0.49
67-64-1	Acetone	2.0	U	8.7	2.0
71-43-2	Benzene	0.078	U	2.2	0.078
108-86-1	Bromobenzene	0.11	U	2.2	0.11
75-25-2	Bromoform	0.53	U	2.2	0.53
74-83-9	Bromomethane	0.44	U	2.2	0.44
75-15-0	Carbon disulfide	0.49	U	2.2	0.49
56-23-5	Carbon tetrachloride	0.16	U	2.2	0.16
108-90-7	Chlorobenzene	0.11	U	2.2	0.11
124-48-1	Chlorodibromomethane	0.17	U	2.2	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL15N-051016 | Lab Sample ID: 240-64678-9

Matrix: Solid | Lab File ID: UX83777.D

Analysis Method: 8260B | Date Collected: 05/10/2016 11:30

Sample wt/vol: 1.00(g) | Date Analyzed: 05/18/2016 10:31

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.3 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.44	U	2.2	0.44
67-66-3	Chloroform	0.31	U	2.2	0.31
74-87-3	Chloromethane	0.42	U	2.2	0.42
156-59-2	cis-1,2-Dichloroethene	0.33	U	2.2	0.33
10061-01-5	cis-1,3-Dichloropropene	0.19	U	2.2	0.19
74-95-3	Dibromomethane	0.44	U	2.2	0.44
74-97-5	Bromochloromethane	0.61	U	2.2	0.61
75-71-8	Dichlorodifluoromethane	0.53	U	2.2	0.53
75-27-4	Bromodichloromethane	0.33	U	2.2	0.33
75-65-0	tert-Butyl alcohol	7.3	U *	87	7.3
100-41-4	Ethylbenzene	0.31	U	2.2	0.31
87-68-3	Hexachlorobutadiene	0.38	U	2.2	0.38
108-20-3	Diisopropyl ether	0.45	U	4.4	0.45
98-82-8	Isopropylbenzene	0.11	U	2.2	0.11
1634-04-4	Methyl tert-butyl ether	0.26	U	2.2	0.26
75-09-2	Methylene Chloride	0.74	U	2.2	0.74
179601-23-1	m-Xylene & p-Xylene	0.17	U	2.2	0.17
91-20-3	Naphthalene	0.23	U	2.2	0.23
104-51-8	n-Butylbenzene	0.18	U	2.2	0.18
103-65-1	N-Propylbenzene	0.53	U	2.2	0.53
95-47-6	o-Xylene	0.15	U	2.2	0.15
135-98-8	sec-Butylbenzene	0.14	U	2.2	0.14
100-42-5	Styrene	0.24	U	2.2	0.24
994-05-8	Tert-amyl methyl ether	0.37	U	2.2	0.37
637-92-3	Ethyl tert-butyl ether	0.14	U	2.2	0.14
127-18-4	Tetrachloroethene	0.24	U	2.2	0.24
108-88-3	Toluene	0.60	J B *	2.2	0.087
156-60-5	trans-1,2-Dichloroethene	0.23	U	2.2	0.23
10061-02-6	trans-1,3-Dichloropropene	0.23	U	2.2	0.23
79-01-6	Trichloroethene	0.34	U	2.2	0.34
75-69-4	Trichlorofluoromethane	0.31	U	2.2	0.31
108-05-4	Vinyl acetate	0.90	U	4.4	0.90
75-01-4	Vinyl chloride	0.15	U	2.2	0.15
1330-20-7	Xylenes, Total	0.28	U	4.4	0.28
98-06-6	tert-Butylbenzene	0.30	U	2.2	0.30
106-93-4	1,2-Dibromoethane	0.28	U	2.2	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL15N-051016 Lab Sample ID: 240-64678-9

Matrix: Solid Lab File ID: UX83777.D

Analysis Method: 8260B Date Collected: 05/10/2016 11:30

Sample wt/vol: 1.00(g) Date Analyzed: 05/18/2016 10:31

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.3 Level: (low/med) Medium

Analysis Batch No.: 230734 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	92		33-134
1868-53-7	Dibromofluoromethane (Surr)	80		30-122
460-00-4	4-Bromofluorobenzene (Surr)	85		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL15N-051016 | Lab Sample ID: 240-64678-9

Matrix: Solid | Lab File ID: UX83777.D

Analysis Method: 8260B | Date Collected: 05/10/2016 11:30

Sample wt/vol: 1.00(g) | Date Analyzed: 05/18/2016 10:31

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.3 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL15N-051016 | Lab Sample ID: 240-64678-9

Matrix: Solid | Lab File ID: UX83777.D

Analysis Method: 8260B | Date Collected: 05/10/2016 11:30

Sample wt/vol: 1.00(g) | Date Analyzed: 05/18/2016 10:31

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 38.3 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC		2.2	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL15S-051016 | Lab Sample ID: 240-64678-10

Matrix: Solid | Lab File ID: UX83778.D

Analysis Method: 8260B | Date Collected: 05/10/2016 12:00

Sample wt/vol: 1.35(g) | Date Analyzed: 05/18/2016 10:52

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 36.5 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.31	U	1.6	0.31
71-55-6	1,1,1-Trichloroethane	0.17	U	1.6	0.17
79-34-5	1,1,2,2-Tetrachloroethane	0.16	U	1.6	0.16
76-13-1	1,1,2-Trichlorotrifluoroethane	0.27	U	1.6	0.27
75-34-3	1,1-Dichloroethane	0.22	U	1.6	0.22
75-35-4	1,1-Dichloroethene	0.19	U	1.6	0.19
563-58-6	1,1-Dichloropropene	0.24	U	1.6	0.24
87-61-6	1,2,3-Trichlorobenzene	0.25	U	1.6	0.25
96-18-4	1,2,3-Trichloropropane	0.66	U	1.6	0.66
526-73-8	1,2,3-Trimethylbenzene	0.083	U	1.6	0.083
120-82-1	1,2,4-Trichlorobenzene	0.19	U	1.6	0.19
95-63-6	1,2,4-Trimethylbenzene	0.083	U	1.6	0.083
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	3.2	0.45
95-50-1	1,2-Dichlorobenzene	0.12	U	1.6	0.12
107-06-2	1,2-Dichloroethane	0.064	U	1.6	0.064
78-87-5	1,2-Dichloropropane	0.20	U	1.6	0.20
541-73-1	1,3-Dichlorobenzene	0.19	U	1.6	0.19
142-28-9	1,3-Dichloropropane	0.15	U	1.6	0.15
106-46-7	1,4-Dichlorobenzene	0.26	U	1.6	0.26
594-20-7	2,2-Dichloropropane	0.33	U	1.6	0.33
78-93-3	2-Butanone (MEK)	0.47	U	6.4	0.47
110-75-8	2-Chloroethyl vinyl ether	0.50	U	6.4	0.50
95-49-8	2-Chlorotoluene	0.26	U	1.6	0.26
591-78-6	2-Hexanone	0.54	U	6.4	0.54
106-43-4	4-Chlorotoluene	0.17	U	1.6	0.17
99-87-6	4-Isopropyltoluene	0.16	U	1.6	0.16
108-10-1	4-Methyl-2-pentanone (MIBK)	0.36	U	6.4	0.36
67-64-1	Acetone	1.4	U	6.4	1.4
71-43-2	Benzene	0.058	U	1.6	0.058
108-86-1	Bromobenzene	0.083	U	1.6	0.083
75-25-2	Bromoform	0.39	U	1.6	0.39
74-83-9	Bromomethane	0.33	U	1.6	0.33
75-15-0	Carbon disulfide	0.36	U	1.6	0.36
56-23-5	Carbon tetrachloride	0.12	U	1.6	0.12
108-90-7	Chlorobenzene	0.083	U	1.6	0.083
124-48-1	Chlorodibromomethane	0.13	U	1.6	0.13

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL15S-051016 | Lab Sample ID: 240-64678-10

Matrix: Solid | Lab File ID: UX83778.D

Analysis Method: 8260B | Date Collected: 05/10/2016 12:00

Sample wt/vol: 1.35(g) | Date Analyzed: 05/18/2016 10:52

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 36.5 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.33	U	1.6	0.33
67-66-3	Chloroform	0.23	U	1.6	0.23
74-87-3	Chloromethane	0.31	U	1.6	0.31
156-59-2	cis-1,2-Dichloroethene	0.24	U	1.6	0.24
10061-01-5	cis-1,3-Dichloropropene	0.14	U	1.6	0.14
74-95-3	Dibromomethane	0.32	U	1.6	0.32
74-97-5	Bromochloromethane	0.45	U	1.6	0.45
75-71-8	Dichlorodifluoromethane	0.39	U	1.6	0.39
75-27-4	Bromodichloromethane	0.24	U	1.6	0.24
75-65-0	tert-Butyl alcohol	5.4	U *	64	5.4
100-41-4	Ethylbenzene	0.22	U	1.6	0.22
87-68-3	Hexachlorobutadiene	0.28	U	1.6	0.28
108-20-3	Diisopropyl ether	0.33	U	3.2	0.33
98-82-8	Isopropylbenzene	0.083	U	1.6	0.083
1634-04-4	Methyl tert-butyl ether	0.19	U	1.6	0.19
75-09-2	Methylene Chloride	0.54	U	1.6	0.54
179601-23-1	m-Xylene & p-Xylene	0.13	U	1.6	0.13
91-20-3	Naphthalene	0.17	U	1.6	0.17
104-51-8	n-Butylbenzene	0.13	U	1.6	0.13
103-65-1	N-Propylbenzene	0.39	U	1.6	0.39
95-47-6	o-Xylene	0.11	U	1.6	0.11
135-98-8	sec-Butylbenzene	0.10	U	1.6	0.10
100-42-5	Styrene	0.17	U	1.6	0.17
994-05-8	Tert-amyl methyl ether	0.27	U	1.6	0.27
637-92-3	Ethyl tert-butyl ether	0.10	U	1.6	0.10
127-18-4	Tetrachloroethene	0.17	U	1.6	0.17
108-88-3	Toluene	0.36	J B *	1.6	0.064
156-60-5	trans-1,2-Dichloroethene	0.17	U	1.6	0.17
10061-02-6	trans-1,3-Dichloropropene	0.17	U	1.6	0.17
79-01-6	Trichloroethene	0.25	U	1.6	0.25
75-69-4	Trichlorofluoromethane	0.22	U	1.6	0.22
108-05-4	Vinyl acetate	0.66	U	3.2	0.66
75-01-4	Vinyl chloride	0.11	U	1.6	0.11
1330-20-7	Xylenes, Total	0.20	U	3.2	0.20
98-06-6	tert-Butylbenzene	0.22	U	1.6	0.22
106-93-4	1,2-Dibromoethane	0.20	U	1.6	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL15S-051016 Lab Sample ID: 240-64678-10

Matrix: Solid Lab File ID: UX83778.D

Analysis Method: 8260B Date Collected: 05/10/2016 12:00

Sample wt/vol: 1.35(g) Date Analyzed: 05/18/2016 10:52

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 36.5 Level: (low/med) Medium

Analysis Batch No.: 230734 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	87		33-134
1868-53-7	Dibromofluoromethane (Surr)	75		30-122
460-00-4	4-Bromofluorobenzene (Surr)	78		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL15S-051016 | Lab Sample ID: 240-64678-10

Matrix: Solid | Lab File ID: UX83778.D

Analysis Method: 8260B | Date Collected: 05/10/2016 12:00

Sample wt/vol: 1.35(g) | Date Analyzed: 05/18/2016 10:52

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 36.5 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL15S-051016 | Lab Sample ID: 240-64678-10

Matrix: Solid | Lab File ID: UX83778.D

Analysis Method: 8260B | Date Collected: 05/10/2016 12:00

Sample wt/vol: 1.35(g) | Date Analyzed: 05/18/2016 10:52

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 36.5 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC		1.6	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL16N-051016 | Lab Sample ID: 240-64678-11

Matrix: Solid | Lab File ID: UX83779.D

Analysis Method: 8260B | Date Collected: 05/10/2016 09:00

Sample wt/vol: 1.02(g) | Date Analyzed: 05/18/2016 11:13

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 34.5 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.39	U	2.0	0.39
71-55-6	1,1,1-Trichloroethane	0.22	U	2.0	0.22
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	2.0	0.20
76-13-1	1,1,2-Trichlorotrifluoroethane	0.34	U	2.0	0.34
75-34-3	1,1-Dichloroethane	0.28	U	2.0	0.28
75-35-4	1,1-Dichloroethene	0.24	U	2.0	0.24
563-58-6	1,1-Dichloropropene	0.30	U	2.0	0.30
87-61-6	1,2,3-Trichlorobenzene	0.31	U	2.0	0.31
96-18-4	1,2,3-Trichloropropane	0.83	U	2.0	0.83
526-73-8	1,2,3-Trimethylbenzene	0.10	U	2.0	0.10
120-82-1	1,2,4-Trichlorobenzene	0.24	U	2.0	0.24
95-63-6	1,2,4-Trimethylbenzene	0.10	U	2.0	0.10
96-12-8	1,2-Dibromo-3-Chloropropane	0.57	U	4.0	0.57
95-50-1	1,2-Dichlorobenzene	0.15	U	2.0	0.15
107-06-2	1,2-Dichloroethane	0.080	U	2.0	0.080
78-87-5	1,2-Dichloropropane	0.26	U	2.0	0.26
541-73-1	1,3-Dichlorobenzene	0.24	U	2.0	0.24
142-28-9	1,3-Dichloropropane	0.18	U	2.0	0.18
106-46-7	1,4-Dichlorobenzene	0.33	U	2.0	0.33
594-20-7	2,2-Dichloropropane	0.42	U	2.0	0.42
78-93-3	2-Butanone (MEK)	0.59	U	8.0	0.59
110-75-8	2-Chloroethyl vinyl ether	0.63	U	8.0	0.63
95-49-8	2-Chlorotoluene	0.33	U	2.0	0.33
591-78-6	2-Hexanone	0.67	U	8.0	0.67
106-43-4	4-Chlorotoluene	0.21	U	2.0	0.21
99-87-6	4-Isopropyltoluene	0.20	U	2.0	0.20
108-10-1	4-Methyl-2-pentanone (MIBK)	0.45	U	8.0	0.45
67-64-1	Acetone	1.8	U	8.0	1.8
71-43-2	Benzene	0.072	U	2.0	0.072
108-86-1	Bromobenzene	0.10	U	2.0	0.10
75-25-2	Bromoform	0.49	U	2.0	0.49
74-83-9	Bromomethane	0.41	U	2.0	0.41
75-15-0	Carbon disulfide	0.45	U	2.0	0.45
56-23-5	Carbon tetrachloride	0.14	U	2.0	0.14
108-90-7	Chlorobenzene	0.10	U	2.0	0.10
124-48-1	Chlorodibromomethane	0.16	U	2.0	0.16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL16N-051016 | Lab Sample ID: 240-64678-11

Matrix: Solid | Lab File ID: UX83779.D

Analysis Method: 8260B | Date Collected: 05/10/2016 09:00

Sample wt/vol: 1.02(g) | Date Analyzed: 05/18/2016 11:13

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 34.5 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.41	U	2.0	0.41
67-66-3	Chloroform	0.29	U	2.0	0.29
74-87-3	Chloromethane	0.38	U	2.0	0.38
156-59-2	cis-1,2-Dichloroethene	0.30	U	2.0	0.30
10061-01-5	cis-1,3-Dichloropropene	0.18	U	2.0	0.18
74-95-3	Dibromomethane	0.40	U	2.0	0.40
74-97-5	Bromochloromethane	0.56	U	2.0	0.56
75-71-8	Dichlorodifluoromethane	0.49	U	2.0	0.49
75-27-4	Bromodichloromethane	0.30	U	2.0	0.30
75-65-0	tert-Butyl alcohol	6.7	U *	80	6.7
100-41-4	Ethylbenzene	0.28	U	2.0	0.28
87-68-3	Hexachlorobutadiene	0.35	U	2.0	0.35
108-20-3	Diisopropyl ether	0.42	U	4.0	0.42
98-82-8	Isopropylbenzene	0.10	U	2.0	0.10
1634-04-4	Methyl tert-butyl ether	0.24	U	2.0	0.24
75-09-2	Methylene Chloride	0.68	U	2.0	0.68
179601-23-1	m-Xylene & p-Xylene	0.16	U	2.0	0.16
91-20-3	Naphthalene	0.21	U	2.0	0.21
104-51-8	n-Butylbenzene	0.17	U	2.0	0.17
103-65-1	N-Propylbenzene	0.49	U	2.0	0.49
95-47-6	o-Xylene	0.14	U	2.0	0.14
135-98-8	sec-Butylbenzene	0.13	U	2.0	0.13
100-42-5	Styrene	0.22	U	2.0	0.22
994-05-8	Tert-amyl methyl ether	0.34	U	2.0	0.34
637-92-3	Ethyl tert-butyl ether	0.13	U	2.0	0.13
127-18-4	Tetrachloroethene	0.22	U	2.0	0.22
108-88-3	Toluene	0.59	J B *	2.0	0.080
156-60-5	trans-1,2-Dichloroethene	0.21	U	2.0	0.21
10061-02-6	trans-1,3-Dichloropropene	0.21	U	2.0	0.21
79-01-6	Trichloroethene	0.31	U	2.0	0.31
75-69-4	Trichlorofluoromethane	0.28	U	2.0	0.28
108-05-4	Vinyl acetate	0.83	U	4.0	0.83
75-01-4	Vinyl chloride	0.14	U	2.0	0.14
1330-20-7	Xylenes, Total	0.26	U	4.0	0.26
98-06-6	tert-Butylbenzene	0.27	U	2.0	0.27
106-93-4	1,2-Dibromoethane	0.26	U	2.0	0.26

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL16N-051016 | Lab Sample ID: 240-64678-11

Matrix: Solid | Lab File ID: UX83779.D

Analysis Method: 8260B | Date Collected: 05/10/2016 09:00

Sample wt/vol: 1.02(g) | Date Analyzed: 05/18/2016 11:13

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 34.5 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	89		33-134
1868-53-7	Dibromofluoromethane (Surr)	77		30-122
460-00-4	4-Bromofluorobenzene (Surr)	78		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL16N-051016 | Lab Sample ID: 240-64678-11

Matrix: Solid | Lab File ID: UX83779.D

Analysis Method: 8260B | Date Collected: 05/10/2016 09:00

Sample wt/vol: 1.02(g) | Date Analyzed: 05/18/2016 11:13

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 34.5 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL16N-051016 | Lab Sample ID: 240-64678-11

Matrix: Solid | Lab File ID: UX83779.D

Analysis Method: 8260B | Date Collected: 05/10/2016 09:00

Sample wt/vol: 1.02(g) | Date Analyzed: 05/18/2016 11:13

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 34.5 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC		2.0	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL16S-051016 | Lab Sample ID: 240-64678-12

Matrix: Solid | Lab File ID: UX83780.D

Analysis Method: 8260B | Date Collected: 05/10/2016 09:30

Sample wt/vol: 1.54(g) | Date Analyzed: 05/18/2016 11:34

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 29.6 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.25	U	1.3	0.25
71-55-6	1,1,1-Trichloroethane	0.14	U	1.3	0.14
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.3	0.13
76-13-1	1,1,2-Trichlorotrifluoroethane	0.21	U	1.3	0.21
75-34-3	1,1-Dichloroethane	0.18	U	1.3	0.18
75-35-4	1,1-Dichloroethene	0.15	U	1.3	0.15
563-58-6	1,1-Dichloropropene	0.19	U	1.3	0.19
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1.3	0.20
96-18-4	1,2,3-Trichloropropane	0.52	U	1.3	0.52
526-73-8	1,2,3-Trimethylbenzene	0.065	U	1.3	0.065
120-82-1	1,2,4-Trichlorobenzene	0.15	U	1.3	0.15
95-63-6	1,2,4-Trimethylbenzene	0.065	U	1.3	0.065
96-12-8	1,2-Dibromo-3-Chloropropane	0.36	U	2.5	0.36
95-50-1	1,2-Dichlorobenzene	0.096	U	1.3	0.096
107-06-2	1,2-Dichloroethane	0.050	U	1.3	0.050
78-87-5	1,2-Dichloropropane	0.16	U	1.3	0.16
541-73-1	1,3-Dichlorobenzene	0.15	U	1.3	0.15
142-28-9	1,3-Dichloropropane	0.12	U	1.3	0.12
106-46-7	1,4-Dichlorobenzene	0.21	U	1.3	0.21
594-20-7	2,2-Dichloropropane	0.26	U	1.3	0.26
78-93-3	2-Butanone (MEK)	0.37	U	5.0	0.37
110-75-8	2-Chloroethyl vinyl ether	0.39	U	5.0	0.39
95-49-8	2-Chlorotoluene	0.21	U	1.3	0.21
591-78-6	2-Hexanone	0.42	U	5.0	0.42
106-43-4	4-Chlorotoluene	0.13	U	1.3	0.13
99-87-6	4-Isopropyltoluene	0.13	U	1.3	0.13
108-10-1	4-Methyl-2-pentanone (MIBK)	0.28	U	5.0	0.28
67-64-1	Acetone	1.1	U	5.0	1.1
71-43-2	Benzene	0.045	U	1.3	0.045
108-86-1	Bromobenzene	0.065	U	1.3	0.065
75-25-2	Bromoform	0.31	U	1.3	0.31
74-83-9	Bromomethane	0.26	U	1.3	0.26
75-15-0	Carbon disulfide	0.28	U	1.3	0.28
56-23-5	Carbon tetrachloride	0.091	U	1.3	0.091
108-90-7	Chlorobenzene	0.065	U	1.3	0.065
124-48-1	Chlorodibromomethane	0.10	U	1.3	0.10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL16S-051016 | Lab Sample ID: 240-64678-12

Matrix: Solid | Lab File ID: UX83780.D

Analysis Method: 8260B | Date Collected: 05/10/2016 09:30

Sample wt/vol: 1.54(g) | Date Analyzed: 05/18/2016 11:34

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 29.6 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.26	U	1.3	0.26
67-66-3	Chloroform	0.18	U	1.3	0.18
74-87-3	Chloromethane	0.24	U	1.3	0.24
156-59-2	cis-1,2-Dichloroethene	0.19	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	0.11	U	1.3	0.11
74-95-3	Dibromomethane	0.25	U	1.3	0.25
74-97-5	Bromochloromethane	0.35	U	1.3	0.35
75-71-8	Dichlorodifluoromethane	0.31	U	1.3	0.31
75-27-4	Bromodichloromethane	0.19	U	1.3	0.19
75-65-0	tert-Butyl alcohol	4.2	U *	50	4.2
100-41-4	Ethylbenzene	0.18	U	1.3	0.18
87-68-3	Hexachlorobutadiene	0.22	U	1.3	0.22
108-20-3	Diisopropyl ether	0.26	U	2.5	0.26
98-82-8	Isopropylbenzene	0.065	U	1.3	0.065
1634-04-4	Methyl tert-butyl ether	0.15	U	1.3	0.15
75-09-2	Methylene Chloride	0.43	U	1.3	0.43
179601-23-1	m-Xylene & p-Xylene	0.10	U	1.3	0.10
91-20-3	Naphthalene	0.13	U	1.3	0.13
104-51-8	n-Butylbenzene	0.11	U	1.3	0.11
103-65-1	N-Propylbenzene	0.31	U	1.3	0.31
95-47-6	o-Xylene	0.086	U	1.3	0.086
135-98-8	sec-Butylbenzene	0.081	U	1.3	0.081
100-42-5	Styrene	0.14	U	1.3	0.14
994-05-8	Tert-amyl methyl ether	0.21	U	1.3	0.21
637-92-3	Ethyl tert-butyl ether	0.081	U	1.3	0.081
127-18-4	Tetrachloroethene	0.14	U	1.3	0.14
108-88-3	Toluene	0.36	J B *	1.3	0.050
156-60-5	trans-1,2-Dichloroethene	0.13	U	1.3	0.13
10061-02-6	trans-1,3-Dichloropropene	0.13	U	1.3	0.13
79-01-6	Trichloroethene	0.20	U	1.3	0.20
75-69-4	Trichlorofluoromethane	0.18	U	1.3	0.18
108-05-4	Vinyl acetate	0.52	U	2.5	0.52
75-01-4	Vinyl chloride	0.086	U	1.3	0.086
1330-20-7	Xylenes, Total	0.16	U	2.5	0.16
98-06-6	tert-Butylbenzene	0.17	U	1.3	0.17
106-93-4	1,2-Dibromoethane	0.16	U	1.3	0.16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL16S-051016 | Lab Sample ID: 240-64678-12

Matrix: Solid | Lab File ID: UX83780.D

Analysis Method: 8260B | Date Collected: 05/10/2016 09:30

Sample wt/vol: 1.54(g) | Date Analyzed: 05/18/2016 11:34

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 29.6 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	90		33-134
1868-53-7	Dibromofluoromethane (Surr)	77		30-122
460-00-4	4-Bromofluorobenzene (Surr)	79		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL16S-051016 | Lab Sample ID: 240-64678-12

Matrix: Solid | Lab File ID: UX83780.D

Analysis Method: 8260B | Date Collected: 05/10/2016 09:30

Sample wt/vol: 1.54(g) | Date Analyzed: 05/18/2016 11:34

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 29.6 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: DR-TL16S-051016 | Lab Sample ID: 240-64678-12

Matrix: Solid | Lab File ID: UX83780.D

Analysis Method: 8260B | Date Collected: 05/10/2016 09:30

Sample wt/vol: 1.54(g) | Date Analyzed: 05/18/2016 11:34

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 29.6 | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC		1.3	U

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: TB-050916 | Lab Sample ID: 240-64634-26

Matrix: Water | Lab File ID: UXJ4678.D

Analysis Method: 8260C | Date Collected: 05/09/2016 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 05/16/2016 16:46

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.: 230444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.28	U	1.0	0.28
71-55-6	1,1,1-Trichloroethane	0.44	U	1.0	0.44
79-34-5	1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22
76-13-1	1,1,2-Trichlorotrifluoroethane	0.45	U	1.0	0.45
75-34-3	1,1-Dichloroethane	0.30	U	1.0	0.30
75-35-4	1,1-Dichloroethene	0.45	U	1.0	0.45
563-58-6	1,1-Dichloropropene	0.42	U	1.0	0.42
87-61-6	1,2,3-Trichlorobenzene	0.37	U	1.0	0.37
96-18-4	1,2,3-Trichloropropane	0.44	U	1.0	0.44
526-73-8	1,2,3-Trimethylbenzene	0.47	U	5.0	0.47
120-82-1	1,2,4-Trichlorobenzene	0.32	U	1.0	0.32
95-63-6	1,2,4-Trimethylbenzene	0.41	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	0.82	U	2.0	0.82
95-50-1	1,2-Dichlorobenzene	0.25	U	1.0	0.25
107-06-2	1,2-Dichloroethane	0.23	U	1.0	0.23
78-87-5	1,2-Dichloropropane	0.25	U	1.0	0.25
541-73-1	1,3-Dichlorobenzene	0.19	U	1.0	0.19
142-28-9	1,3-Dichloropropane	0.19	U	1.0	0.19
106-46-7	1,4-Dichlorobenzene	0.27	U	1.0	0.27
594-20-7	2,2-Dichloropropane	0.26	U	1.0	0.26
78-93-3	2-Butanone (MEK)	0.53	U	10	0.53
110-75-8	2-Chloroethyl vinyl ether	0.59	U	10	0.59
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40
591-78-6	2-Hexanone	0.48	U	10	0.48
106-43-4	4-Chlorotoluene	0.29	U	1.0	0.29
99-87-6	4-Isopropyltoluene	0.43	U	1.0	0.43
108-10-1	4-Methyl-2-pentanone (MIBK)	0.99	U	10	0.99
67-64-1	Acetone	0.94	U	10	0.94
71-43-2	Benzene	0.35	U	1.0	0.35
108-86-1	Bromobenzene	0.35	U	1.0	0.35
75-25-2	Bromoform	0.56	U	1.0	0.56
74-83-9	Bromomethane	0.44	U	1.0	0.44
75-15-0	Carbon disulfide	0.38	U	1.0	0.38
56-23-5	Carbon tetrachloride	0.43	U	1.0	0.43
108-90-7	Chlorobenzene	0.25	U	1.0	0.25
124-48-1	Chlorodibromomethane	0.43	U	1.0	0.43

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: TB-050916 | Lab Sample ID: 240-64634-26

Matrix: Water | Lab File ID: UXJ4678.D

Analysis Method: 8260C | Date Collected: 05/09/2016 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 05/16/2016 16:46

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.: 230444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.25	U	1.0	0.25
74-87-3	Chloromethane	0.44	U	1.0	0.44
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.46	U	1.0	0.46
74-95-3	Dibromomethane	0.42	U	1.0	0.42
74-97-5	Bromochloromethane	0.50	U	1.0	0.50
75-71-8	Dichlorodifluoromethane	0.32	U	1.0	0.32
75-27-4	Bromodichloromethane	0.29	U	1.0	0.29
75-65-0	tert-Butyl alcohol	4.9	U	50	4.9
100-41-4	Ethylbenzene	0.25	U	1.0	0.25
87-68-3	Hexachlorobutadiene	0.35	U	1.0	0.35
108-20-3	Diisopropyl ether	0.50	U	10	0.50
98-82-8	Isopropylbenzene	0.35	U	1.0	0.35
1634-04-4	Methyl tert-butyl ether	0.20	U	1.0	0.20
75-09-2	Methylene Chloride	0.33	U	1.0	0.33
179601-23-1	m-Xylene & p-Xylene	0.24	U	2.0	0.24
91-20-3	Naphthalene	0.45	U	1.0	0.45
104-51-8	n-Butylbenzene	0.31	U	1.0	0.31
103-65-1	N-Propylbenzene	0.40	U	1.0	0.40
95-47-6	o-Xylene	0.25	U	1.0	0.25
135-98-8	sec-Butylbenzene	0.48	U	1.0	0.48
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl methyl ether	0.30	U	5.0	0.30
637-92-3	Ethyl tert-butyl ether	0.23	U	5.0	0.23
127-18-4	Tetrachloroethene	0.31	U	1.0	0.31
108-88-3	Toluene	0.23	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	0.30	U	1.0	0.30
10061-02-6	trans-1,3-Dichloropropene	0.56	U	1.0	0.56
79-01-6	Trichloroethene	0.22	U	1.0	0.22
75-69-4	Trichlorofluoromethane	0.49	U	1.0	0.49
108-05-4	Vinyl acetate	0.41	U	2.0	0.41
75-01-4	Vinyl chloride	0.29	U	1.0	0.29
1330-20-7	Xylenes, Total	0.52	U	2.0	0.52
98-06-6	tert-Butylbenzene	0.41	U	1.0	0.41
106-93-4	1,2-Dibromoethane	0.32	U	1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: TB-050916 Lab Sample ID: 240-64634-26

Matrix: Water Lab File ID: UXJ4678.D

Analysis Method: 8260C Date Collected: 05/09/2016 00:00

Sample wt/vol: 5(mL) Date Analyzed: 05/16/2016 16:46

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.: 230444 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	97		79-120
460-00-4	4-Bromofluorobenzene (Surr)	86		61-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		78-125

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: TB-050916 | Lab Sample ID: 240-64634-26

Matrix: Water | Lab File ID: UXJ4678.D

Analysis Method: 8260C | Date Collected: 05/09/2016 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 05/16/2016 16:46

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.: 230444 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: TB-050916 | Lab Sample ID: 240-64634-26

Matrix: Water | Lab File ID: UXJ4678.D

Analysis Method: 8260C | Date Collected: 05/09/2016 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 05/16/2016 16:46

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.: 230444 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: TB-051016 | Lab Sample ID: 240-64678-13

Matrix: Water | Lab File ID: UXJ4766.D

Analysis Method: 8260C | Date Collected: 05/10/2016 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 05/18/2016 18:13

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.: 230805 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.28	U	1.0	0.28
71-55-6	1,1,1-Trichloroethane	0.44	U	1.0	0.44
79-34-5	1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22
76-13-1	1,1,2-Trichlorotrifluoroethane	0.45	U	1.0	0.45
75-34-3	1,1-Dichloroethane	0.30	U	1.0	0.30
75-35-4	1,1-Dichloroethene	0.45	U	1.0	0.45
563-58-6	1,1-Dichloropropene	0.42	U	1.0	0.42
87-61-6	1,2,3-Trichlorobenzene	0.37	U	1.0	0.37
96-18-4	1,2,3-Trichloropropane	0.44	U	1.0	0.44
526-73-8	1,2,3-Trimethylbenzene	0.47	U	5.0	0.47
120-82-1	1,2,4-Trichlorobenzene	0.32	U	1.0	0.32
95-63-6	1,2,4-Trimethylbenzene	0.41	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	0.82	U	2.0	0.82
95-50-1	1,2-Dichlorobenzene	0.25	U	1.0	0.25
107-06-2	1,2-Dichloroethane	0.23	U	1.0	0.23
78-87-5	1,2-Dichloropropane	0.25	U	1.0	0.25
541-73-1	1,3-Dichlorobenzene	0.19	U	1.0	0.19
142-28-9	1,3-Dichloropropane	0.19	U	1.0	0.19
106-46-7	1,4-Dichlorobenzene	0.27	U	1.0	0.27
594-20-7	2,2-Dichloropropane	0.26	U	1.0	0.26
78-93-3	2-Butanone (MEK)	0.53	U	10	0.53
110-75-8	2-Chloroethyl vinyl ether	0.59	U	10	0.59
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40
591-78-6	2-Hexanone	0.48	U	10	0.48
106-43-4	4-Chlorotoluene	0.29	U	1.0	0.29
99-87-6	4-Isopropyltoluene	0.43	U	1.0	0.43
108-10-1	4-Methyl-2-pentanone (MIBK)	0.99	U	10	0.99
67-64-1	Acetone	0.94	U	10	0.94
71-43-2	Benzene	0.35	U	1.0	0.35
108-86-1	Bromobenzene	0.35	U	1.0	0.35
75-25-2	Bromoform	0.56	U	1.0	0.56
74-83-9	Bromomethane	0.44	U	1.0	0.44
75-15-0	Carbon disulfide	0.38	U	1.0	0.38
56-23-5	Carbon tetrachloride	0.43	U	1.0	0.43
108-90-7	Chlorobenzene	0.25	U	1.0	0.25
124-48-1	Chlorodibromomethane	0.43	U	1.0	0.43

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: TB-051016 | Lab Sample ID: 240-64678-13

Matrix: Water | Lab File ID: UXJ4766.D

Analysis Method: 8260C | Date Collected: 05/10/2016 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 05/18/2016 18:13

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.: 230805 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.25	U	1.0	0.25
74-87-3	Chloromethane	0.44	U	1.0	0.44
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.46	U	1.0	0.46
74-95-3	Dibromomethane	0.42	U	1.0	0.42
74-97-5	Bromochloromethane	0.50	U	1.0	0.50
75-71-8	Dichlorodifluoromethane	0.32	U	1.0	0.32
75-27-4	Bromodichloromethane	0.29	U	1.0	0.29
75-65-0	tert-Butyl alcohol	4.9	U	50	4.9
100-41-4	Ethylbenzene	0.25	U	1.0	0.25
87-68-3	Hexachlorobutadiene	0.35	U	1.0	0.35
108-20-3	Diisopropyl ether	0.50	U	10	0.50
98-82-8	Isopropylbenzene	0.35	U	1.0	0.35
1634-04-4	Methyl tert-butyl ether	0.20	U	1.0	0.20
75-09-2	Methylene Chloride	0.33	U	1.0	0.33
179601-23-1	m-Xylene & p-Xylene	0.24	U	2.0	0.24
91-20-3	Naphthalene	0.45	U	1.0	0.45
104-51-8	n-Butylbenzene	0.31	U	1.0	0.31
103-65-1	N-Propylbenzene	0.40	U	1.0	0.40
95-47-6	o-Xylene	0.25	U	1.0	0.25
135-98-8	sec-Butylbenzene	0.48	U	1.0	0.48
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl methyl ether	0.30	U	5.0	0.30
637-92-3	Ethyl tert-butyl ether	0.23	U	5.0	0.23
127-18-4	Tetrachloroethene	0.31	U	1.0	0.31
108-88-3	Toluene	0.23	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	0.30	U	1.0	0.30
10061-02-6	trans-1,3-Dichloropropene	0.56	U	1.0	0.56
79-01-6	Trichloroethene	0.22	U	1.0	0.22
75-69-4	Trichlorofluoromethane	0.49	U	1.0	0.49
108-05-4	Vinyl acetate	0.41	U	2.0	0.41
75-01-4	Vinyl chloride	0.29	U	1.0	0.29
1330-20-7	Xylenes, Total	0.52	U	2.0	0.52
98-06-6	tert-Butylbenzene	0.41	U	1.0	0.41
106-93-4	1,2-Dibromoethane	0.32	U	1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: TB-051016 Lab Sample ID: 240-64678-13

Matrix: Water Lab File ID: UXJ4766.D

Analysis Method: 8260C Date Collected: 05/10/2016 00:00

Sample wt/vol: 5(mL) Date Analyzed: 05/18/2016 18:13

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.: 230805 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	93		80-120
1868-53-7	Dibromofluoromethane (Surr)	97		79-120
460-00-4	4-Bromofluorobenzene (Surr)	84		61-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		78-125

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: TB-051016 | Lab Sample ID: 240-64678-13

Matrix: Water | Lab File ID: UXJ4766.D

Analysis Method: 8260C | Date Collected: 05/10/2016 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 05/18/2016 18:13

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.: 230805 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: TB-051016 | Lab Sample ID: 240-64678-13

Matrix: Water | Lab File ID: UXJ4766.D

Analysis Method: 8260C | Date Collected: 05/10/2016 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 05/18/2016 18:13

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.: 230805 | Units: ug/L

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

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TG4S-050916 Lab Sample ID: 240-64634-1

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/09/2016 08:15

Reporting Basis: DRY Date Received: 05/10/2016 10:05

% Solids: 59.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.81	3.4	0.81	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.69	2.5	0.69	mg/Kg	U		1	6010C
7440-41-7	Beryllium	0.044	0.84	0.044	mg/Kg	U		1	6010C
7440-43-9	Cadmium	0.035	0.84	0.035	mg/Kg	U		1	6010C
7440-47-3	Chromium	0.35	1.7	0.13	mg/Kg	J		1	6010C
7440-50-8	Copper	1.5	4.2	0.39	mg/Kg	J		1	6010C
7440-02-0	Nickel	0.32	6.7	0.13	mg/Kg	J		1	6010C
7439-92-1	Lead	1.3	1.7	0.037	mg/Kg	J	B	1	6010C
7782-49-2	Selenium	0.57	3.4	0.57	mg/Kg	U		1	6010C
7440-28-0	Thallium	0.22	3.4	0.22	mg/Kg	U		1	6010C
7440-66-6	Zinc	2.4	8.4	0.94	mg/Kg	J		1	6010C
7440-22-4	Silver	0.11	1.7	0.11	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.024	0.17	0.024	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TG4N-050916 Lab Sample ID: 240-64634-2

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/09/2016 08:00

Reporting Basis: DRY Date Received: 05/10/2016 10:05

% Solids: 56.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.83	3.5	0.83	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.71	2.6	0.71	mg/Kg	U		1	6010C
7440-41-7	Beryllium	0.045	0.86	0.045	mg/Kg	U		1	6010C
7440-43-9	Cadmium	0.036	0.86	0.036	mg/Kg	U		1	6010C
7440-47-3	Chromium	0.26	1.7	0.13	mg/Kg	J		1	6010C
7440-50-8	Copper	1.9	4.3	0.40	mg/Kg	J		1	6010C
7440-02-0	Nickel	0.39	6.9	0.14	mg/Kg	J		1	6010C
7439-92-1	Lead	0.22	1.7	0.038	mg/Kg	J	B	1	6010C
7782-49-2	Selenium	0.59	3.5	0.59	mg/Kg	U		1	6010C
7440-28-0	Thallium	0.22	3.5	0.22	mg/Kg	U		1	6010C
7440-66-6	Zinc	3.6	8.6	0.97	mg/Kg	J		1	6010C
7440-22-4	Silver	0.11	1.7	0.11	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.026	0.19	0.026	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TG5N-050916 Lab Sample ID: 240-64634-3

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/09/2016 08:45

Reporting Basis: DRY Date Received: 05/10/2016 10:05

% Solids: 60.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.71	2.9	0.71	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.60	2.2	0.60	mg/Kg	U		1	6010C
7440-41-7	Beryllium	0.038	0.74	0.038	mg/Kg	U		1	6010C
7440-43-9	Cadmium	0.24	0.74	0.031	mg/Kg	J		1	6010C
7440-47-3	Chromium	0.55	1.5	0.11	mg/Kg	J		1	6010C
7440-50-8	Copper	3.6	3.7	0.34	mg/Kg	J		1	6010C
7440-02-0	Nickel	1.9	5.9	0.12	mg/Kg	J		1	6010C
7439-92-1	Lead	0.23	1.5	0.032	mg/Kg	J	B	1	6010C
7782-49-2	Selenium	0.50	2.9	0.50	mg/Kg	U		1	6010C
7440-28-0	Thallium	1.4	2.9	0.19	mg/Kg	J		1	6010C
7440-66-6	Zinc	45	7.4	0.82	mg/Kg			1	6010C
7440-22-4	Silver	0.093	1.5	0.093	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.025	0.18	0.025	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TG5S-050916 Lab Sample ID: 240-64634-4

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/09/2016 09:00

Reporting Basis: DRY Date Received: 05/10/2016 10:05

% Solids: 57.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.74	3.1	0.74	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.63	2.3	0.63	mg/Kg	U		1	6010C
7440-41-7	Beryllium	0.040	0.77	0.040	mg/Kg	U		1	6010C
7440-43-9	Cadmium	0.22	0.77	0.032	mg/Kg	J		1	6010C
7440-47-3	Chromium	0.32	1.5	0.12	mg/Kg	J		1	6010C
7440-50-8	Copper	3.7	3.9	0.35	mg/Kg	J		1	6010C
7440-02-0	Nickel	1.4	6.2	0.12	mg/Kg	J		1	6010C
7439-92-1	Lead	0.41	1.5	0.034	mg/Kg	J	B	1	6010C
7782-49-2	Selenium	0.52	3.1	0.52	mg/Kg	U		1	6010C
7440-28-0	Thallium	1.4	3.1	0.20	mg/Kg	J		1	6010C
7440-66-6	Zinc	55	7.7	0.86	mg/Kg			1	6010C
7440-22-4	Silver	0.097	1.5	0.097	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.023	0.16	0.023	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TG6N-050916 Lab Sample ID: 240-64634-5

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/09/2016 09:20

Reporting Basis: DRY Date Received: 05/10/2016 10:05

% Solids: 66.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.57	2.4	0.57	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.48	1.8	0.48	mg/Kg	U		1	6010C
7440-41-7	Beryllium	0.031	0.59	0.031	mg/Kg	U		1	6010C
7440-43-9	Cadmium	0.36	0.59	0.025	mg/Kg	J		1	6010C
7440-47-3	Chromium	0.34	1.2	0.089	mg/Kg	J		1	6010C
7440-50-8	Copper	1.4	3.0	0.27	mg/Kg	J		1	6010C
7440-02-0	Nickel	0.86	4.7	0.095	mg/Kg	J		1	6010C
7439-92-1	Lead	0.15	1.2	0.026	mg/Kg	J	B	1	6010C
7782-49-2	Selenium	0.40	2.4	0.40	mg/Kg	U		1	6010C
7440-28-0	Thallium	1.5	2.4	0.15	mg/Kg	J		1	6010C
7440-66-6	Zinc	2.3	5.9	0.66	mg/Kg	J		1	6010C
7440-22-4	Silver	0.074	1.2	0.074	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.020	0.14	0.020	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TG6S-050916 Lab Sample ID: 240-64634-6

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/09/2016 09:40

Reporting Basis: DRY Date Received: 05/10/2016 10:05

% Solids: 64.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.63	2.6	0.63	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.54	2.0	0.54	mg/Kg	U		1	6010C
7440-41-7	Beryllium	0.034	0.66	0.034	mg/Kg	U		1	6010C
7440-43-9	Cadmium	0.48	0.66	0.028	mg/Kg	J		1	6010C
7440-47-3	Chromium	0.26	1.3	0.098	mg/Kg	J		1	6010C
7440-50-8	Copper	1.7	3.3	0.30	mg/Kg	J		1	6010C
7440-02-0	Nickel	1.0	5.2	0.10	mg/Kg	J		1	6010C
7439-92-1	Lead	0.21	1.3	0.029	mg/Kg	J	B	1	6010C
7782-49-2	Selenium	0.45	2.6	0.45	mg/Kg	U		1	6010C
7440-28-0	Thallium	1.7	2.6	0.17	mg/Kg	J		1	6010C
7440-66-6	Zinc	2.5	6.6	0.73	mg/Kg	J		1	6010C
7440-22-4	Silver	0.083	1.3	0.083	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.023	0.16	0.023	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TL1N-050916 Lab Sample ID: 240-64634-7

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/09/2016 10:00

Reporting Basis: DRY Date Received: 05/10/2016 10:05

% Solids: 42.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1.0	4.3	1.0	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.88	3.2	0.88	mg/Kg	U		1	6010C
7440-41-7	Beryllium	0.056	1.1	0.056	mg/Kg	U		1	6010C
7440-43-9	Cadmium	0.47	1.1	0.045	mg/Kg	J		1	6010C
7440-47-3	Chromium	1.2	2.2	0.16	mg/Kg	J		1	6010C
7440-50-8	Copper	5.0	5.4	0.49	mg/Kg	J		1	6010C
7440-02-0	Nickel	0.76	8.6	0.17	mg/Kg	J		1	6010C
7439-92-1	Lead	0.31	2.2	0.047	mg/Kg	J	B	1	6010C
7782-49-2	Selenium	0.73	4.3	0.73	mg/Kg	U		1	6010C
7440-28-0	Thallium	0.28	4.3	0.28	mg/Kg	U		1	6010C
7440-66-6	Zinc	66	11	1.2	mg/Kg			1	6010C
7440-22-4	Silver	0.14	2.2	0.14	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.037	0.27	0.037	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TL1S-050916 Lab Sample ID: 240-64634-8

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/09/2016 10:30

Reporting Basis: DRY Date Received: 05/10/2016 10:05

% Solids: 44.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.74	3.1	0.74	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.64	2.3	0.64	mg/Kg	U		1	6010C
7440-41-7	Beryllium	0.040	0.77	0.040	mg/Kg	U		1	6010C
7440-43-9	Cadmium	0.14	0.77	0.033	mg/Kg	J		1	6010C
7440-47-3	Chromium	1.6	1.5	0.12	mg/Kg			1	6010C
7440-50-8	Copper	4.4	3.9	0.36	mg/Kg			1	6010C
7440-02-0	Nickel	0.78	6.2	0.12	mg/Kg	J		1	6010C
7439-92-1	Lead	0.34	1.5	0.034	mg/Kg	J	B	1	6010C
7782-49-2	Selenium	0.53	3.1	0.53	mg/Kg	U		1	6010C
7440-28-0	Thallium	0.20	3.1	0.20	mg/Kg	U		1	6010C
7440-66-6	Zinc	52	7.7	0.87	mg/Kg			1	6010C
7440-22-4	Silver	0.098	1.5	0.098	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.030	0.22	0.030	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TLDUP1-050916 Lab Sample ID: 240-64634-9

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/09/2016 07:00

Reporting Basis: DRY Date Received: 05/10/2016 10:05

% Solids: 45.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1.0	4.1	1.0	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.85	3.1	0.85	mg/Kg	U		1	6010C
7440-41-7	Beryllium	0.054	1.0	0.054	mg/Kg	U		1	6010C
7440-43-9	Cadmium	0.13	1.0	0.044	mg/Kg	J		1	6010C
7440-47-3	Chromium	1.6	2.1	0.16	mg/Kg	J		1	6010C
7440-50-8	Copper	3.0	5.2	0.48	mg/Kg	J		1	6010C
7440-02-0	Nickel	0.74	8.3	0.17	mg/Kg	J		1	6010C
7439-92-1	Lead	0.49	2.1	0.046	mg/Kg	J	B	1	6010C
7782-49-2	Selenium	1.3	4.1	0.71	mg/Kg	J		1	6010C
7440-28-0	Thallium	0.27	4.1	0.27	mg/Kg	U		1	6010C
7440-66-6	Zinc	13	10	1.2	mg/Kg			1	6010C
7440-22-4	Silver	0.13	2.1	0.13	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.030	0.22	0.030	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TL4N-050916 Lab Sample ID: 240-64634-10

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/09/2016 11:00

Reporting Basis: DRY Date Received: 05/10/2016 10:05

% Solids: 51.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.82	3.4	0.82	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.70	2.6	0.70	mg/Kg	U		1	6010C
7440-41-7	Beryllium	0.045	0.86	0.045	mg/Kg	U		1	6010C
7440-43-9	Cadmium	0.036	0.86	0.036	mg/Kg	U		1	6010C
7440-47-3	Chromium	0.53	1.7	0.13	mg/Kg	J		1	6010C
7440-50-8	Copper	3.3	4.3	0.39	mg/Kg	J		1	6010C
7440-02-0	Nickel	0.69	6.9	0.14	mg/Kg	J		1	6010C
7439-92-1	Lead	0.21	1.7	0.038	mg/Kg	J	B	1	6010C
7782-49-2	Selenium	0.58	3.4	0.58	mg/Kg	U		1	6010C
7440-28-0	Thallium	0.22	3.4	0.22	mg/Kg	U		1	6010C
7440-66-6	Zinc	5.4	8.6	0.96	mg/Kg	J		1	6010C
7440-22-4	Silver	0.11	1.7	0.11	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.027	0.19	0.027	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TL4S-050916 Lab Sample ID: 240-64634-11

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/09/2016 11:30

Reporting Basis: DRY Date Received: 05/10/2016 10:05

% Solids: 56.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.74	3.1	0.74	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.63	2.3	0.63	mg/Kg	U		1	6010C
7440-41-7	Beryllium	0.040	0.77	0.040	mg/Kg	U		1	6010C
7440-43-9	Cadmium	0.032	0.77	0.032	mg/Kg	J		1	6010C
7440-47-3	Chromium	0.45	1.5	0.12	mg/Kg	J		1	6010C
7440-50-8	Copper	2.6	3.8	0.35	mg/Kg	J		1	6010C
7440-02-0	Nickel	0.40	6.2	0.12	mg/Kg	J		1	6010C
7439-92-1	Lead	0.31	1.5	0.034	mg/Kg	J	B	1	6010C
7782-49-2	Selenium	0.60	3.1	0.52	mg/Kg	J		1	6010C
7440-28-0	Thallium	0.20	3.1	0.20	mg/Kg	U		1	6010C
7440-66-6	Zinc	8.1	7.7	0.86	mg/Kg			1	6010C
7440-22-4	Silver	0.097	1.5	0.097	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.028	0.20	0.028	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TLDUP2-050916 Lab Sample ID: 240-64634-12

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/09/2016 07:30

Reporting Basis: DRY Date Received: 05/10/2016 10:05

% Solids: 62.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.63	2.6	0.63	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.54	2.0	0.54	mg/Kg	U		1	6010C
7440-41-7	Beryllium	0.034	0.66	0.034	mg/Kg	U		1	6010C
7440-43-9	Cadmium	0.028	0.66	0.028	mg/Kg	U		1	6010C
7440-47-3	Chromium	1.1	1.3	0.099	mg/Kg	J		1	6010C
7440-50-8	Copper	2.9	3.3	0.30	mg/Kg	J		1	6010C
7440-02-0	Nickel	0.57	5.3	0.11	mg/Kg	J		1	6010C
7439-92-1	Lead	0.58	1.3	0.029	mg/Kg	J	B	1	6010C
7782-49-2	Selenium	0.45	2.6	0.45	mg/Kg	U		1	6010C
7440-28-0	Thallium	0.17	2.6	0.17	mg/Kg	U		1	6010C
7440-66-6	Zinc	3.3	6.6	0.74	mg/Kg	J		1	6010C
7440-22-4	Silver	0.083	1.3	0.083	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.025	0.18	0.025	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TL10S-050916 Lab Sample ID: 240-64634-13

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/09/2016 12:30

Reporting Basis: DRY Date Received: 05/10/2016 10:05

% Solids: 52.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.82	3.4	0.82	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.70	2.6	0.70	mg/Kg	J		1	6010C
7440-41-7	Beryllium	0.044	0.85	0.044	mg/Kg	U		1	6010C
7440-43-9	Cadmium	0.72	0.85	0.036	mg/Kg	J		1	6010C
7440-47-3	Chromium	1.6	1.7	0.13	mg/Kg	J		1	6010C
7440-50-8	Copper	2.9	4.3	0.39	mg/Kg	J		1	6010C
7440-02-0	Nickel	3.5	6.8	0.14	mg/Kg	J		1	6010C
7439-92-1	Lead	0.69	1.7	0.038	mg/Kg	J	B	1	6010C
7782-49-2	Selenium	0.58	3.4	0.58	mg/Kg	U		1	6010C
7440-28-0	Thallium	0.22	3.4	0.22	mg/Kg	U		1	6010C
7440-66-6	Zinc	55	8.5	0.96	mg/Kg			1	6010C
7440-22-4	Silver	0.11	1.7	0.11	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.026	0.18	0.026	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TL10N-050916 Lab Sample ID: 240-64634-14

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/09/2016 12:00

Reporting Basis: DRY Date Received: 05/10/2016 10:05

% Solids: 52.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.86	3.6	0.86	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.73	2.7	0.73	mg/Kg	U		1	6010C
7440-41-7	Beryllium	0.047	0.89	0.047	mg/Kg	U		1	6010C
7440-43-9	Cadmium	1.0	0.89	0.038	mg/Kg			1	6010C
7440-47-3	Chromium	0.52	1.8	0.13	mg/Kg	J		1	6010C
7440-50-8	Copper	3.8	4.5	0.41	mg/Kg	J		1	6010C
7440-02-0	Nickel	4.2	7.2	0.14	mg/Kg	J		1	6010C
7439-92-1	Lead	0.60	1.8	0.039	mg/Kg	J	B	1	6010C
7782-49-2	Selenium	0.61	3.6	0.61	mg/Kg	U		1	6010C
7440-28-0	Thallium	0.23	3.6	0.23	mg/Kg	U		1	6010C
7440-66-6	Zinc	79	8.9	1.0	mg/Kg			1	6010C
7440-22-4	Silver	0.11	1.8	0.11	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.026	0.19	0.026	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TL9N-050916 Lab Sample ID: 240-64634-15

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/09/2016 12:45

Reporting Basis: DRY Date Received: 05/10/2016 10:05

% Solids: 56.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.80	3.4	0.80	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.69	2.5	0.69	mg/Kg	U		1	6010C
7440-41-7	Beryllium	0.044	0.84	0.044	mg/Kg	U		1	6010C
7440-43-9	Cadmium	0.069	0.84	0.035	mg/Kg	J		1	6010C
7440-47-3	Chromium	0.30	1.7	0.13	mg/Kg	J	B	1	6010C
7440-50-8	Copper	3.0	4.2	0.39	mg/Kg	J		1	6010C
7440-02-0	Nickel	0.40	6.7	0.13	mg/Kg	J		1	6010C
7439-92-1	Lead	0.15	1.7	0.037	mg/Kg	J		1	6010C
7782-49-2	Selenium	0.81	3.4	0.57	mg/Kg	J	B	1	6010C
7440-28-0	Thallium	0.22	3.4	0.22	mg/Kg	U		1	6010C
7440-66-6	Zinc	5.7	8.4	0.94	mg/Kg	J		1	6010C
7440-22-4	Silver	0.11	1.7	0.11	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.027	0.20	0.027	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TL9S-050916 Lab Sample ID: 240-64634-16

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/09/2016 13:00

Reporting Basis: DRY Date Received: 05/10/2016 10:05

% Solids: 58.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.69	2.9	0.69	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.59	2.2	0.59	mg/Kg	U		1	6010C
7440-41-7	Beryllium	0.038	0.72	0.038	mg/Kg	U		1	6010C
7440-43-9	Cadmium	0.090	0.72	0.030	mg/Kg	J		1	6010C
7440-47-3	Chromium	0.42	1.4	0.11	mg/Kg	J	B	1	6010C
7440-50-8	Copper	2.8	3.6	0.33	mg/Kg	J		1	6010C
7440-02-0	Nickel	0.26	5.8	0.12	mg/Kg	J		1	6010C
7439-92-1	Lead	0.15	1.4	0.032	mg/Kg	J		1	6010C
7782-49-2	Selenium	0.49	2.9	0.49	mg/Kg	U		1	6010C
7440-28-0	Thallium	0.19	2.9	0.19	mg/Kg	U		1	6010C
7440-66-6	Zinc	4.2	7.2	0.81	mg/Kg	J		1	6010C
7440-22-4	Silver	0.091	1.4	0.091	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.025	0.18	0.025	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TL12N-050916 Lab Sample ID: 240-64634-17

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/09/2016 13:15

Reporting Basis: DRY Date Received: 05/10/2016 10:05

% Solids: 52.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.89	3.7	0.89	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.76	2.8	0.76	mg/Kg	U		1	6010C
7440-41-7	Beryllium	0.048	0.93	0.048	mg/Kg	U		1	6010C
7440-43-9	Cadmium	0.039	0.93	0.039	mg/Kg	U		1	6010C
7440-47-3	Chromium	0.55	1.9	0.14	mg/Kg	J	B	1	6010C
7440-50-8	Copper	3.1	4.6	0.43	mg/Kg	J		1	6010C
7440-02-0	Nickel	0.51	7.4	0.15	mg/Kg	J		1	6010C
7439-92-1	Lead	2.0	1.9	0.041	mg/Kg			1	6010C
7782-49-2	Selenium	0.63	3.7	0.63	mg/Kg	U		1	6010C
7440-28-0	Thallium	0.24	3.7	0.24	mg/Kg	U		1	6010C
7440-66-6	Zinc	6.8	9.3	1.0	mg/Kg	J		1	6010C
7440-22-4	Silver	0.12	1.9	0.12	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.025	0.18	0.025	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TL12S-050916 Lab Sample ID: 240-64634-18

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/09/2016 13:20

Reporting Basis: DRY Date Received: 05/10/2016 10:05

% Solids: 55.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.80	3.3	0.80	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.68	2.5	0.68	mg/Kg	U		1	6010C
7440-41-7	Beryllium	0.043	0.83	0.043	mg/Kg	U		1	6010C
7440-43-9	Cadmium	0.035	0.83	0.035	mg/Kg	U		1	6010C
7440-47-3	Chromium	0.44	1.7	0.12	mg/Kg	J	B	1	6010C
7440-50-8	Copper	3.4	4.2	0.38	mg/Kg	J		1	6010C
7440-02-0	Nickel	0.35	6.7	0.13	mg/Kg	J		1	6010C
7439-92-1	Lead	0.78	1.7	0.037	mg/Kg	J		1	6010C
7782-49-2	Selenium	0.57	3.3	0.57	mg/Kg	U		1	6010C
7440-28-0	Thallium	0.22	3.3	0.22	mg/Kg	U		1	6010C
7440-66-6	Zinc	5.7	8.3	0.93	mg/Kg	J		1	6010C
7440-22-4	Silver	0.10	1.7	0.10	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.025	0.18	0.025	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TL6N-050916 Lab Sample ID: 240-64634-19

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/09/2016 13:30

Reporting Basis: DRY Date Received: 05/10/2016 10:05

% Solids: 61.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.53	2.2	0.53	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.45	1.6	0.45	mg/Kg	U		1	6010C
7440-41-7	Beryllium	0.029	0.55	0.029	mg/Kg	U		1	6010C
7440-43-9	Cadmium	0.023	0.55	0.023	mg/Kg	U		1	6010C
7440-47-3	Chromium	0.23	1.1	0.082	mg/Kg	J	B	1	6010C
7440-50-8	Copper	1.7	2.7	0.25	mg/Kg	J		1	6010C
7440-02-0	Nickel	0.52	4.4	0.088	mg/Kg	J		1	6010C
7439-92-1	Lead	0.024	1.1	0.024	mg/Kg	U		1	6010C
7782-49-2	Selenium	0.43	2.2	0.37	mg/Kg	J	B	1	6010C
7440-28-0	Thallium	0.14	2.2	0.14	mg/Kg	U		1	6010C
7440-66-6	Zinc	2.2	5.5	0.62	mg/Kg	J		1	6010C
7440-22-4	Silver	0.069	1.1	0.069	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.023	0.16	0.023	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TL6S-050916 Lab Sample ID: 240-64634-20

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/09/2016 13:40

Reporting Basis: DRY Date Received: 05/10/2016 10:05

% Solids: 61.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.66	2.7	0.66	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.58	2.1	0.56	mg/Kg	J		1	6010C
7440-41-7	Beryllium	0.036	0.68	0.036	mg/Kg	U		1	6010C
7440-43-9	Cadmium	0.029	0.68	0.029	mg/Kg	U		1	6010C
7440-47-3	Chromium	0.31	1.4	0.10	mg/Kg	J	B	1	6010C
7440-50-8	Copper	2.1	3.4	0.31	mg/Kg	J		1	6010C
7440-02-0	Nickel	0.62	5.5	0.11	mg/Kg	J		1	6010C
7439-92-1	Lead	0.16	1.4	0.030	mg/Kg	J		1	6010C
7782-49-2	Selenium	0.58	2.7	0.47	mg/Kg	J	B	1	6010C
7440-28-0	Thallium	0.18	2.7	0.18	mg/Kg	U		1	6010C
7440-66-6	Zinc	2.9	6.8	0.77	mg/Kg	J		1	6010C
7440-22-4	Silver	0.086	1.4	0.086	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.022	0.15	0.022	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TL2N-050916 Lab Sample ID: 240-64634-21

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/09/2016 14:00

Reporting Basis: DRY Date Received: 05/10/2016 10:05

% Solids: 43.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.92	3.8	0.92	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.79	2.9	0.79	mg/Kg	U		1	6010C
7440-41-7	Beryllium	0.050	0.96	0.050	mg/Kg	U		1	6010C
7440-43-9	Cadmium	0.10	0.96	0.040	mg/Kg	J		1	6010C
7440-47-3	Chromium	0.46	1.9	0.14	mg/Kg	J	B	1	6010C
7440-50-8	Copper	4.4	4.8	0.44	mg/Kg	J		1	6010C
7440-02-0	Nickel	1.2	7.7	0.15	mg/Kg	J		1	6010C
7439-92-1	Lead	0.29	1.9	0.042	mg/Kg	J		1	6010C
7782-49-2	Selenium	0.76	3.8	0.65	mg/Kg	J	B	1	6010C
7440-28-0	Thallium	0.25	3.8	0.25	mg/Kg	U		1	6010C
7440-66-6	Zinc	87	9.6	1.1	mg/Kg			1	6010C
7440-22-4	Silver	0.12	1.9	0.12	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.032	0.23	0.032	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TL2S-050916 Lab Sample ID: 240-64634-22

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/09/2016 14:20

Reporting Basis: DRY Date Received: 05/10/2016 10:05

% Solids: 43.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.96	4.0	0.96	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.82	3.0	0.82	mg/Kg	U		1	6010C
7440-41-7	Beryllium	0.052	1.0	0.052	mg/Kg	U		1	6010C
7440-43-9	Cadmium	0.15	1.0	0.042	mg/Kg	J		1	6010C
7440-47-3	Chromium	2.5	2.0	0.15	mg/Kg		B	1	6010C
7440-50-8	Copper	4.3	5.0	0.46	mg/Kg	J		1	6010C
7440-02-0	Nickel	1.8	8.0	0.16	mg/Kg	J		1	6010C
7439-92-1	Lead	0.42	2.0	0.044	mg/Kg	J		1	6010C
7782-49-2	Selenium	0.99	4.0	0.68	mg/Kg	J	B	1	6010C
7440-28-0	Thallium	0.26	4.0	0.26	mg/Kg	U		1	6010C
7440-66-6	Zinc	74	10	1.1	mg/Kg			1	6010C
7440-22-4	Silver	0.13	2.0	0.13	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.033	0.24	0.033	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TLDUP3-050916 Lab Sample ID: 240-64634-23

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/09/2016 07:15

Reporting Basis: DRY Date Received: 05/10/2016 10:05

% Solids: 38.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1.1	4.6	1.1	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.94	3.5	0.94	mg/Kg	U		1	6010C
7440-41-7	Beryllium	0.060	1.2	0.060	mg/Kg	U		1	6010C
7440-43-9	Cadmium	0.44	1.2	0.048	mg/Kg	J		1	6010C
7440-47-3	Chromium	0.71	2.3	0.17	mg/Kg	J	B	1	6010C
7440-50-8	Copper	7.0	5.8	0.53	mg/Kg			1	6010C
7440-02-0	Nickel	5.7	9.2	0.18	mg/Kg	J		1	6010C
7439-92-1	Lead	0.41	2.3	0.051	mg/Kg	J		1	6010C
7782-49-2	Selenium	0.78	4.6	0.78	mg/Kg	U		1	6010C
7440-28-0	Thallium	0.30	4.6	0.30	mg/Kg	U		1	6010C
7440-66-6	Zinc	14	12	1.3	mg/Kg			1	6010C
7440-22-4	Silver	0.14	2.3	0.14	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.043	0.31	0.043	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TL18N-050916 Lab Sample ID: 240-64634-24

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/09/2016 14:45

Reporting Basis: DRY Date Received: 05/10/2016 10:05

% Solids: 40.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.85	3.5	0.85	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.73	2.7	0.73	mg/Kg	U		1	6010C
7440-41-7	Beryllium	0.046	0.89	0.046	mg/Kg	U		1	6010C
7440-43-9	Cadmium	0.39	0.89	0.037	mg/Kg	J		1	6010C
7440-47-3	Chromium	0.50	1.8	0.13	mg/Kg	J	B	1	6010C
7440-50-8	Copper	4.2	4.4	0.41	mg/Kg	J		1	6010C
7440-02-0	Nickel	2.4	7.1	0.14	mg/Kg	J		1	6010C
7439-92-1	Lead	0.20	1.8	0.039	mg/Kg	J		1	6010C
7782-49-2	Selenium	0.87	3.5	0.60	mg/Kg	J	B	1	6010C
7440-28-0	Thallium	0.23	3.5	0.23	mg/Kg	U		1	6010C
7440-66-6	Zinc	8.4	8.9	0.99	mg/Kg	J		1	6010C
7440-22-4	Silver	0.11	1.8	0.11	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.037	0.27	0.037	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TL18S-050916 Lab Sample ID: 240-64634-25

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/09/2016 15:20

Reporting Basis: DRY Date Received: 05/10/2016 10:05

% Solids: 62.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.58	2.4	0.58	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.50	1.8	0.49	mg/Kg	J		1	6010C
7440-41-7	Beryllium	0.031	0.60	0.031	mg/Kg	U		1	6010C
7440-43-9	Cadmium	0.19	0.60	0.025	mg/Kg	J		1	6010C
7440-47-3	Chromium	1.5	1.2	0.090	mg/Kg		B	1	6010C
7440-50-8	Copper	4.7	3.0	0.28	mg/Kg			1	6010C
7440-02-0	Nickel	1.6	4.8	0.096	mg/Kg	J		1	6010C
7439-92-1	Lead	0.25	1.2	0.027	mg/Kg	J		1	6010C
7782-49-2	Selenium	0.41	2.4	0.41	mg/Kg	U		1	6010C
7440-28-0	Thallium	0.16	2.4	0.16	mg/Kg	U		1	6010C
7440-66-6	Zinc	7.6	6.0	0.68	mg/Kg			1	6010C
7440-22-4	Silver	0.076	1.2	0.076	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.026	0.19	0.026	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TL3N-051016 Lab Sample ID: 240-64678-1

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/10/2016 14:00

Reporting Basis: DRY Date Received: 05/11/2016 09:40

% Solids: 39.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.89	3.7	0.89	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.76	2.8	0.76	mg/Kg	U		1	6010C
7440-41-7	Beryllium	0.048	0.93	0.048	mg/Kg	U		1	6010C
7440-43-9	Cadmium	0.36	0.93	0.039	mg/Kg	J		1	6010C
7440-47-3	Chromium	0.46	1.9	0.14	mg/Kg	J		1	6010C
7440-50-8	Copper	2.9	4.6	0.43	mg/Kg	J		1	6010C
7440-02-0	Nickel	0.23	7.4	0.15	mg/Kg	J		1	6010C
7439-92-1	Lead	0.041	1.9	0.041	mg/Kg	U		1	6010C
7782-49-2	Selenium	0.63	3.7	0.63	mg/Kg	U		1	6010C
7440-28-0	Thallium	0.24	3.7	0.24	mg/Kg	U		1	6010C
7440-66-6	Zinc	31	9.3	1.0	mg/Kg			1	6010C
7440-22-4	Silver	0.12	1.9	0.12	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.032	0.23	0.032	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TL3S-051016 Lab Sample ID: 240-64678-2

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/10/2016 14:30

Reporting Basis: DRY Date Received: 05/11/2016 09:40

% Solids: 41.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1.1	4.5	1.1	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.92	3.4	0.92	mg/Kg	U		1	6010C
7440-41-7	Beryllium	0.059	1.1	0.059	mg/Kg	U		1	6010C
7440-43-9	Cadmium	0.65	1.1	0.047	mg/Kg	J		1	6010C
7440-47-3	Chromium	0.55	2.3	0.17	mg/Kg	J		1	6010C
7440-50-8	Copper	3.7	5.6	0.52	mg/Kg	J		1	6010C
7440-02-0	Nickel	0.40	9.0	0.18	mg/Kg	J		1	6010C
7439-92-1	Lead	0.18	2.3	0.050	mg/Kg	J		1	6010C
7782-49-2	Selenium	1.2	4.5	0.77	mg/Kg	J		1	6010C
7440-28-0	Thallium	0.29	4.5	0.29	mg/Kg	U		1	6010C
7440-66-6	Zinc	61	11	1.3	mg/Kg			1	6010C
7440-22-4	Silver	0.14	2.3	0.14	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.031	0.22	0.031	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TL11N-051016 Lab Sample ID: 240-64678-3

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/10/2016 10:00

Reporting Basis: DRY Date Received: 05/11/2016 09:40

% Solids: 60.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.66	2.7	0.66	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.56	2.1	0.56	mg/Kg	U		1	6010C
7440-41-7	Beryllium	0.036	0.69	0.036	mg/Kg	U		1	6010C
7440-43-9	Cadmium	0.17	0.69	0.029	mg/Kg	J		1	6010C
7440-47-3	Chromium	0.19	1.4	0.10	mg/Kg	J		1	6010C
7440-50-8	Copper	3.7	3.4	0.32	mg/Kg			1	6010C
7440-02-0	Nickel	0.36	5.5	0.11	mg/Kg	J		1	6010C
7439-92-1	Lead	0.26	1.4	0.030	mg/Kg	J		1	6010C
7782-49-2	Selenium	0.82	2.7	0.47	mg/Kg	J		1	6010C
7440-28-0	Thallium	0.18	2.7	0.18	mg/Kg	U		1	6010C
7440-66-6	Zinc	9.2	6.9	0.77	mg/Kg			1	6010C
7440-22-4	Silver	0.087	1.4	0.087	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.023	0.16	0.023	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TL11S-051016 Lab Sample ID: 240-64678-4

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/10/2016 10:20

Reporting Basis: DRY Date Received: 05/11/2016 09:40

% Solids: 59.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.68	2.8	0.68	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.58	2.1	0.58	mg/Kg	U		1	6010C
7440-41-7	Beryllium	0.037	0.71	0.037	mg/Kg	U		1	6010C
7440-43-9	Cadmium	0.061	0.71	0.030	mg/Kg	J		1	6010C
7440-47-3	Chromium	0.26	1.4	0.11	mg/Kg	J		1	6010C
7440-50-8	Copper	2.6	3.5	0.33	mg/Kg	J		1	6010C
7440-02-0	Nickel	0.52	5.7	0.11	mg/Kg	J		1	6010C
7439-92-1	Lead	0.28	1.4	0.031	mg/Kg	J		1	6010C
7782-49-2	Selenium	0.64	2.8	0.48	mg/Kg	J		1	6010C
7440-28-0	Thallium	0.18	2.8	0.18	mg/Kg	U		1	6010C
7440-66-6	Zinc	8.0	7.1	0.79	mg/Kg			1	6010C
7440-22-4	Silver	0.089	1.4	0.089	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.023	0.16	0.023	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TL13N-051016 Lab Sample ID: 240-64678-5

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/10/2016 10:45

Reporting Basis: DRY Date Received: 05/11/2016 09:40

% Solids: 62.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.66	2.7	0.66	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.56	2.1	0.56	mg/Kg	U		1	6010C
7440-41-7	Beryllium	0.036	0.68	0.036	mg/Kg	U		1	6010C
7440-43-9	Cadmium	0.25	0.68	0.029	mg/Kg	J		1	6010C
7440-47-3	Chromium	0.28	1.4	0.10	mg/Kg	J		1	6010C
7440-50-8	Copper	2.2	3.4	0.31	mg/Kg	J		1	6010C
7440-02-0	Nickel	0.75	5.5	0.11	mg/Kg	J		1	6010C
7439-92-1	Lead	0.15	1.4	0.030	mg/Kg	J		1	6010C
7782-49-2	Selenium	0.48	2.7	0.46	mg/Kg	J		1	6010C
7440-28-0	Thallium	0.18	2.7	0.18	mg/Kg	U		1	6010C
7440-66-6	Zinc	31	6.8	0.77	mg/Kg			1	6010C
7440-22-4	Silver	0.086	1.4	0.086	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.024	0.17	0.024	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TL13S-051016 Lab Sample ID: 240-64678-6

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/10/2016 11:00

Reporting Basis: DRY Date Received: 05/11/2016 09:40

% Solids: 59.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.74	3.1	0.74	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.64	2.3	0.64	mg/Kg	U		1	6010C
7440-41-7	Beryllium	0.040	0.77	0.040	mg/Kg	U		1	6010C
7440-43-9	Cadmium	0.22	0.77	0.033	mg/Kg	J		1	6010C
7440-47-3	Chromium	0.26	1.5	0.12	mg/Kg	J		1	6010C
7440-50-8	Copper	2.6	3.9	0.36	mg/Kg	J		1	6010C
7440-02-0	Nickel	0.87	6.2	0.12	mg/Kg	J		1	6010C
7439-92-1	Lead	0.038	1.5	0.034	mg/Kg	J		1	6010C
7782-49-2	Selenium	0.78	3.1	0.53	mg/Kg	J		1	6010C
7440-28-0	Thallium	0.20	3.1	0.20	mg/Kg	U		1	6010C
7440-66-6	Zinc	34	7.7	0.87	mg/Kg			1	6010C
7440-22-4	Silver	0.098	1.5	0.098	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.028	0.20	0.028	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TL14N-051016 Lab Sample ID: 240-64678-7

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/10/2016 12:50

Reporting Basis: DRY Date Received: 05/11/2016 09:40

% Solids: 57.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.76	3.1	0.76	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.64	2.4	0.64	mg/Kg	U		1	6010C
7440-41-7	Beryllium	0.041	0.79	0.041	mg/Kg	U		1	6010C
7440-43-9	Cadmium	1.4	0.79	0.033	mg/Kg			1	6010C
7440-47-3	Chromium	0.31	1.6	0.12	mg/Kg	J		1	6010C
7440-50-8	Copper	2.3	3.9	0.36	mg/Kg	J		1	6010C
7440-02-0	Nickel	1.5	6.3	0.13	mg/Kg	J		1	6010C
7439-92-1	Lead	0.098	1.6	0.035	mg/Kg	J		1	6010C
7782-49-2	Selenium	0.77	3.1	0.53	mg/Kg	J		1	6010C
7440-28-0	Thallium	0.20	3.1	0.20	mg/Kg	U		1	6010C
7440-66-6	Zinc	40	7.9	0.88	mg/Kg			1	6010C
7440-22-4	Silver	0.099	1.6	0.099	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.026	0.19	0.026	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TL14S-051016 Lab Sample ID: 240-64678-8

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/10/2016 13:20

Reporting Basis: DRY Date Received: 05/11/2016 09:40

% Solids: 58.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.58	2.4	0.58	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.49	1.8	0.49	mg/Kg	U		1	6010C
7440-41-7	Beryllium	0.031	0.60	0.031	mg/Kg	U		1	6010C
7440-43-9	Cadmium	1.3	0.60	0.025	mg/Kg			1	6010C
7440-47-3	Chromium	0.22	1.2	0.090	mg/Kg	J		1	6010C
7440-50-8	Copper	2.3	3.0	0.28	mg/Kg	J		1	6010C
7440-02-0	Nickel	1.7	4.8	0.096	mg/Kg	J		1	6010C
7439-92-1	Lead	0.043	1.2	0.026	mg/Kg	J		1	6010C
7782-49-2	Selenium	0.41	2.4	0.41	mg/Kg	U		1	6010C
7440-28-0	Thallium	0.16	2.4	0.16	mg/Kg	U		1	6010C
7440-66-6	Zinc	43	6.0	0.67	mg/Kg			1	6010C
7440-22-4	Silver	0.076	1.2	0.076	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.023	0.16	0.023	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TL15N-051016 Lab Sample ID: 240-64678-9

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/10/2016 11:30

Reporting Basis: DRY Date Received: 05/11/2016 09:40

% Solids: 61.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.69	2.9	0.69	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.59	2.2	0.59	mg/Kg	U		1	6010C
7440-41-7	Beryllium	0.038	0.72	0.038	mg/Kg	U		1	6010C
7440-43-9	Cadmium	0.22	0.72	0.030	mg/Kg	J		1	6010C
7440-47-3	Chromium	0.30	1.4	0.11	mg/Kg	J		1	6010C
7440-50-8	Copper	1.7	3.6	0.33	mg/Kg	J		1	6010C
7440-02-0	Nickel	1.1	5.8	0.12	mg/Kg	J		1	6010C
7439-92-1	Lead	0.032	1.4	0.032	mg/Kg	U		1	6010C
7782-49-2	Selenium	0.64	2.9	0.49	mg/Kg	J		1	6010C
7440-28-0	Thallium	0.19	2.9	0.19	mg/Kg	U		1	6010C
7440-66-6	Zinc	3.0	7.2	0.81	mg/Kg	J		1	6010C
7440-22-4	Silver	0.091	1.4	0.091	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.023	0.17	0.023	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TL15S-051016 Lab Sample ID: 240-64678-10

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/10/2016 12:00

Reporting Basis: DRY Date Received: 05/11/2016 09:40

% Solids: 63.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.58	2.4	0.58	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.49	1.8	0.49	mg/Kg	U		1	6010C
7440-41-7	Beryllium	0.045	0.60	0.031	mg/Kg	J		1	6010C
7440-43-9	Cadmium	0.17	0.60	0.025	mg/Kg	J		1	6010C
7440-47-3	Chromium	0.24	1.2	0.090	mg/Kg	J		1	6010C
7440-50-8	Copper	1.3	3.0	0.28	mg/Kg	J		1	6010C
7440-02-0	Nickel	1.1	4.8	0.096	mg/Kg	J		1	6010C
7439-92-1	Lead	0.045	1.2	0.026	mg/Kg	J		1	6010C
7782-49-2	Selenium	0.41	2.4	0.41	mg/Kg	U		1	6010C
7440-28-0	Thallium	0.16	2.4	0.16	mg/Kg	U		1	6010C
7440-66-6	Zinc	1.9	6.0	0.67	mg/Kg	J		1	6010C
7440-22-4	Silver	0.076	1.2	0.076	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.021	0.15	0.021	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TL16N-051016 Lab Sample ID: 240-64678-11

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/10/2016 09:00

Reporting Basis: DRY Date Received: 05/11/2016 09:40

% Solids: 65.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.71	3.0	0.71	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.61	2.2	0.61	mg/Kg	U		1	6010C
7440-41-7	Beryllium	0.039	0.74	0.039	mg/Kg	U		1	6010C
7440-43-9	Cadmium	0.11	0.74	0.031	mg/Kg	J		1	6010C
7440-47-3	Chromium	0.22	1.5	0.11	mg/Kg	J		1	6010C
7440-50-8	Copper	1.5	3.7	0.34	mg/Kg	J		1	6010C
7440-02-0	Nickel	0.72	5.9	0.12	mg/Kg	J		1	6010C
7439-92-1	Lead	0.25	1.5	0.033	mg/Kg	J		1	6010C
7782-49-2	Selenium	0.50	3.0	0.50	mg/Kg	U		1	6010C
7440-28-0	Thallium	0.19	3.0	0.19	mg/Kg	U		1	6010C
7440-66-6	Zinc	2.6	7.4	0.83	mg/Kg	J		1	6010C
7440-22-4	Silver	0.093	1.5	0.093	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.020	0.14	0.020	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DR-TL16S-051016 Lab Sample ID: 240-64678-12

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG ID.:

Matrix: Solid Date Sampled: 05/10/2016 09:30

Reporting Basis: DRY Date Received: 05/11/2016 09:40

% Solids: 70.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.66	2.8	0.66	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.57	2.1	0.57	mg/Kg	U		1	6010C
7440-41-7	Beryllium	0.036	0.69	0.036	mg/Kg	U		1	6010C
7440-43-9	Cadmium	0.063	0.69	0.029	mg/Kg	J		1	6010C
7440-47-3	Chromium	0.20	1.4	0.10	mg/Kg	J		1	6010C
7440-50-8	Copper	1.9	3.4	0.32	mg/Kg	J		1	6010C
7440-02-0	Nickel	0.46	5.5	0.11	mg/Kg	J		1	6010C
7439-92-1	Lead	0.062	1.4	0.030	mg/Kg	J		1	6010C
7782-49-2	Selenium	0.47	2.8	0.47	mg/Kg	U		1	6010C
7440-28-0	Thallium	0.18	2.8	0.18	mg/Kg	U		1	6010C
7440-66-6	Zinc	2.2	6.9	0.77	mg/Kg	J		1	6010C
7440-22-4	Silver	0.087	1.4	0.087	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.022	0.15	0.022	mg/Kg	U		1	7471A

Appendix C

Support Documentation

LMC-MSA DR TREE TISSUE
SDG 240-64634-1

SAMPLE IDENTIFICATION	DR-TL1S-050916
COMPOUND	4-ISOPROPYLTOLUENE
COMPOUND AREA	130612
INTERNAL STANDARD AMOUNT (µg/L)	50
DILUTION FACTOR	5
INTERNAL STANDARD AREA	853534
AVERAGE RRF	2.3513
VOLUME FINAL EXTRACT (µl)	5000
MOISTURE CONTENT FROM SAMPLE (L)	0.0006216
PURGE VOLUME (L)	0.005
WEIGHT OF SAMPLE (g)	1.12
ALIQUOT VOLUME (µl)	100
g to Kg	1000
PERCENT SOLIDS	0.4450
CONCENTRATION =	9176 µg/Kg

130612 x 50 x 5000µl x 0.005622L x 1000g x 5/(853534 x 2.3513 x 1.12g x 0.445 x 100µL x 1Kg)

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A3UX8\20160514-54473.b\UX83707.D
Lims ID: 240-64634-A-8-D
Client ID: DR-TL1S-050916
Sample Type: Client
Inject. Date: 14-May-2016 09:18:30 ALS Bottle#: 23 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 5.0000
Sample Info: 240-0054473-025
Operator ID: 402279 Instrument ID: A3UX8

Method: \\ChromNA\Canton\ChromData\A3UX8\20160514-54473.b\8260_8.m
Limit Group: MSV 8260B ICAL
Last Update: 16-May-2016 01:32:25 Calib Date: 13-May-2016 01:58:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A3UX8\20160512-54434.b\UX83659.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK007

First Level Reviewer: latat Date: 16-May-2016 01:17:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.157	5.160	-0.003	100	2324921	50.0	
* 2 Chlorobenzene-d5	117	7.689	7.680	0.009	96	1689592	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.881	-0.003	99	853534	50.0	
$ 4 Dibromofluoromethane (Surr	113	4.624	4.626	-0.002	94	50949	5.19	
$ 5 1,2-Dichloroethane-d4 (Sur	65	4.896	4.887	0.009	91	82429	6.44	
$ 6 Toluene-d8 (Surr)	98	6.423	6.425	-0.002	95	232719	6.35	
$ 7 4-Bromofluorobenzene (Surr	95	8.766	8.756	0.010	92	92295	6.02	
9 Dichlorodifluoromethane	85		1.585				ND	
10 Chloromethane	50		1.751				ND	
11 Vinyl chloride	62		1.869				ND	
13 Bromomethane	94		2.177				ND	
14 Chloroethane	64		2.272				ND	
16 Trichlorofluoromethane	101		2.508				ND	
19 1,1-Dichloroethene	96		2.934				ND	
20 1,1,2-Trichloro-1,2,2-trif	151		2.946				ND	
21 Acetone	43	2.956	2.958	-0.002	98	26019	4.84	
24 Carbon disulfide	76		3.112				ND	
28 Methylene Chloride	84		3.301				ND	
29 2-Methyl-2-propanol	59		3.384				ND	
31 trans-1,2-Dichloroethene	96		3.526				ND	
32 Methyl tert-butyl ether	73		3.526				ND	
34 1,1-Dichloroethane	63		3.834				ND	
35 Vinyl acetate	43		3.857				ND	
36 Isopropyl ether	87		3.882				ND	
38 Tert-butyl ethyl ether	59		4.154				ND	
39 cis-1,2-Dichloroethene	96		4.271				ND	
40 2-Butanone (MEK)	43		4.271				ND	
41 2,2-Dichloropropane	77		4.283				ND	
45 Chlorobromomethane	128		4.461				ND	
47 Chloroform	83	4.506	4.508	-0.002	87	3385	0.1994	
48 1,1,1-Trichloroethane	97		4.662				ND	
50 1,1-Dichloropropene	75		4.792				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
51 Carbon tetrachloride	117		4.804				ND	
53 1,2-Dichloroethane	62		4.946				ND	
54 Benzene	78		4.946				ND	
55 Tert-amyl methyl ether	73		5.018				ND	
58 Trichloroethene	130		5.443				ND	
61 1,2-Dichloropropane	63		5.620				ND	
63 Dibromomethane	93		5.715				ND	
65 Dichlorobromomethane	83		5.822				ND	
67 2-Chloroethyl vinyl ether	63		6.046				ND	
68 cis-1,3-Dichloropropene	75		6.188				ND	
69 4-Methyl-2-pentanone (MIBK	43		6.307				ND	
70 Toluene	91	6.482	6.484	-0.002	92	6193	0.1580	
71 trans-1,3-Dichloropropene	75		6.650				ND	
75 Tetrachloroethene	164		6.957				ND	
74 1,3-Dichloropropane	76		6.957				ND	
76 2-Hexanone	43		7.005				ND	
78 Chlorodibromomethane	129		7.159				ND	
80 Ethylene Dibromide	107		7.277				ND	
82 Chlorobenzene	112		7.715				ND	
83 1,1,1,2-Tetrachloroethane	131		7.774				ND	
84 Ethylbenzene	106		7.798				ND	
85 m-Xylene & p-Xylene	106		7.904				ND	
86 o-Xylene	106		8.271				ND	
87 Styrene	104		8.283				ND	
88 Bromoform	173		8.460				ND	
89 Isopropylbenzene	105		8.614				ND	
92 1,1,2,2-Tetrachloroethane	83		8.874				ND	
93 Bromobenzene	156		8.910				ND	
94 1,2,3-Trichloropropane	110		8.934				ND	
96 N-Propylbenzene	120		9.005				ND	
97 2-Chlorotoluene	126		9.099				ND	
99 4-Chlorotoluene	126		9.194				ND	
100 tert-Butylbenzene	119		9.490				ND	
102 1,2,4-Trimethylbenzene	105		9.537				ND	
103 sec-Butylbenzene	105		9.703				ND	
104 1,3-Dichlorobenzene	146		9.821				ND	
105 4-Isopropyltoluene	119	9.842	9.845	-0.003	94	130612	3.25	
106 1,4-Dichlorobenzene	146		9.904				ND	
107 1,2,3-Trimethylbenzene	105		9.952				ND	
109 n-Butylbenzene	91		10.235				ND	
110 1,2-Dichlorobenzene	146		10.271				ND	
111 1,2-Dibromo-3-Chloropropan	157		11.028				ND	
113 1,2,4-Trichlorobenzene	180		11.856				ND	
114 Hexachlorobutadiene	225		12.034				ND	
115 Naphthalene	128		12.105				ND	
116 1,2,3-Trichlorobenzene	180		12.365				ND	
S 128 Xylenes, Total	106		16.530				ND	
T 132 Chlorodifluoromethane TIC	51	1.595	1.590	0.005	0	13293	0.2859	

DR-TL2N-050916

Sample Name: 240-64634-a-21-c Acquired: 5/18/2016 15:36:43 Type: Unk
Method: ICP I9 Method 200.7-6010(v87) Mode: CONC Corr. Factor: 1.000000
User: analyst Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-1.1906	-.62943	455.13	228.17	10.075
Stddev	.4917	2.2449	12.47	4.16	4.944
%RSD	41.301	356.66	2.7400	1.8239	49.079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4262.6	2790.9	43284.	6000.0
Stddev	90.1	55.4	175.	51.3
%RSD	2.1140	1.9845	.40488	.85548
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.410%	99.568%	99.309%	99.996%
Range				

EXTRACTION: 1.21g/100ml
DF : 1
% SOLIDS: 43%

455.13ug/L x 0.1L/1.21g x 1 x 1/0.43 = 87.5 ug/g

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ANALYTE	ORIGINAL	DUPLICATE	RL	RPD	RPD > 50%	ORIGINAL SAMPLE CONC >2xRL	DUPLICATE SAMPLE CONC >2xRL	DIFFERENCE >2XRL
4-ISOPROPYLTOLUENE	9.2	6.1	1.4	40.52287582	FALSE	TRUE	TRUE	TRUE
ACETONE	14	8.6	13	47.78761062	FALSE	FALSE	FALSE	FALSE
DR-TLDUP1-050916/DR-TL1S-050916								
ACETONE	1.9	2	8.3	5.128205128	FALSE	FALSE	FALSE	FALSE
DR-TLDUP2-050916/DR-TL4S-050916								
ACETONE	3.2	3.5	12	8.955223881	FALSE	FALSE	FALSE	FALSE
DR-TLDUP3-050916/DR-TL18N-050916								

ANALYTE	ORIGINAL	DUPLICATE	RL	RPD	RPD > 50%	ORIGINAL SAMPLE CONC >5xRL	DUPLICATE SAMPLE CONC >5xRL	DIFFERENCE >4XRL
CADMIUM	0.14	0.13	0.77	7.41	FALSE	FALSE	FALSE	FALSE
CHROMIUM	1.6	1.6	1.5	0.00	FALSE	FALSE	FALSE	FALSE
COPPER	4.4	3	3.9	37.84	FALSE	FALSE	FALSE	FALSE
NICKEL	0.78	0.74	6.2	5.26	FALSE	FALSE	FALSE	FALSE
SELENIUM	0.53	1.3	3.1	84.15	TRUE	FALSE	FALSE	FALSE
ZINC	52	13	7.7	120.00	TRUE	TRUE	FALSE	TRUE

DR-TLDUP1-050916/DR-TL1S-050916

CADMIUM	0.032	0.028	0.77	13.33	FALSE	FALSE	FALSE	FALSE
CHROMIUM	0.45	1.1	1.5	83.87	TRUE	FALSE	FALSE	FALSE
COPPER	2.6	2.9	3.8	10.91	FALSE	FALSE	FALSE	FALSE
NICKEL	0.4	0.57	6.2	35.05	FALSE	FALSE	FALSE	FALSE
SELENIUM	0.6	0.45	3.1	28.57	FALSE	FALSE	FALSE	FALSE
ZINC	8.1	3.3	7.7	84.21	TRUE	FALSE	FALSE	FALSE

DR-TLDUP2-050916/DR-TL4S-050916

CADMIUM	0.39	0.44	0.89	12.05	FALSE	FALSE	FALSE	FALSE
COPPER	4.2	7	4.4	50.00	FALSE	FALSE	FALSE	FALSE
LEAD	0.2	0.41	1.8	68.85	TRUE	FALSE	FALSE	FALSE
NICKEL	2.4	5.7	7.1	81.48	TRUE	FALSE	FALSE	FALSE
ZINC	8.4	14	8.9	50.00	FALSE	FALSE	FALSE	FALSE

DR-TLDUP3-050916/DR-TL18N-050916

180325 0.9|C0.4 1.8|C1.3 **Chain of Custody Record** 016795

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

BALTIMORE Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Amy McGivney	Site Contact: T. Abanavage	Date: 5/9/16	COC No:
Company Name: TETRA TECH	Tel/Fax:	Lab Contact: J. McFadden	Carrier:	___ of 3 COCs
Address: 20251 CENTURY BLVD STE 200	Analysis Turnaround Time			Sampler:
City/State/Zip: GERMANTOWN, MD 20874	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 301 233 8230	TAT if different from Below STANDARD			Walk-in Client:
Fax: 301 528 3000	☐ 2 weeks			Lab Sampling:
Project Name: DRA TREE TISSUE	☐ 1 week			
Site: MSA	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs 8260B	Total Metals 6010	Sample Specific Notes:
DR-TG4S-050916	5/9/16	0815	G	WOOD	1			X	X	
DR-TG4N-050916		0800						X	X	
DR-TG5N-050916		0845						X	X	
DR-TG5S-050916		0900						X	X	
DR-TG6N-050916		0920						X	X	
DR-TG6S-050916		0940						X	X	
DR-TL1N-050916		1000						X	X	
DR-TL1S-050916		1030						X	X	
DR-TLDUP1-050916		0700						X	X	
DR-TL4N-050916		1100						X	X	
DR-TL4S-050916		1130						X	X	
DR-TLDUP2-050916	↓	0730	↓	↓	↓			X	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ 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:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

	Company	Date/Time		Company	Date/Time
Relinquished by:	TETRA TECH	5/9 1600	Received by:	TestAmerica	5-9-2016 / 1600
Relinquished by:	TestAmerica	5-9-2016/1615	Received by:	TA	5-10-16 1005
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

05/26/2016

180325

Chain of Custody Record

016794

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

BALTIMORE

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: AMY McGIVNEY	Site Contact: T. ARANAVAGE	Date: 5/9/16	COC No: 2 of 3 COCs
Company Name: TETRA TECH	Tel/Fax:	Lab Contact:	Carrier:	Sampler:
Address:	Analysis Turnaround Time			For Lab Use Only:
City/State/Zip:	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
Phone: 3012338230	TAT if different from Below			Lab Sampling:
Fax:	☐ 2 weeks STANDARD			Job / SDG No.:
Project Name: DRA TREE TISSUE	☐ 1 week			
Site: MSA	☐ 2 days			
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs 8260B	TOTAL METALS 6010	Sample Specific Notes:
DR-TL10S-050916	5/9/16	1230	G	WOOD	1			X	X	
DR-TL10N-050916		1200						X	X	
DR-TL9N-050916		1245						X	X	
DR-TL9S-050916		1300						X	X	
DR-TL2N-050916		1315						X	X	
DR-TL2S-050916		1320						X	X	
DR-TL6N-050916		1330						X	X	
DR-TL6S-050916		1340						X	X	
DR-TL2N-050916		1400						X	X	
DR-TL2S-050916		1420						X	X	
DR-TLDUP3-050916		0715						X	X	
DR-TL8N-050916	V	1445	V	V	V			X	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ 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:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

	Company:	Date/Time:		Company:	Date/Time:
Relinquished by:	TETRA TECH	5/9 1600	Received by:	TestAmerica	5-9-2016/1600
Relinquished by:	TestAmerica	5-9-2016/1655	Received by:	TA	5-10-16 1005
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

05/26/2016

180325 Chain of Custody Record

016796

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

BALTIMORE

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: AMY McGIVNEY	Site Contact: T. HOANAVAC	Date: 5/9/16	COC No: 3 of 3 COCs
Company Name: TETRA TECH	Tel/Fax:	Lab Contact: J. McFADDEN	Carrier:	Sampler:
Address:	Analysis Turnaround Time			For Lab Use Only:
City/State/Zip:	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
Phone: 301 233 8230	TAT if different from Below			Lab Sampling:
Fax:	☐ 2 weeks STANDARD			Job / SDG No.:
Project Name: DCA TREE TISSUE	☐ 1 week			
Site: MSA	☐ 2 days			
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	VOCs 8260B	TOTAL METALS 6010	Sample Specific Notes:
DR-TL18S-050916	5/9/16	1520	G	WOOD	1			X	X	
TB-050916	5/9/16	—	—	H_2O	2			X		

5/9/16

Page 699 of 704

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ 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:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	TETRA TECH	5/9/16 1600		TestAmerica	5-9-2016 / 1600
Relinquished by:	TestAmerica	5-9-2016 / 1635	Received by:	TA	5-10-16 1005
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

05/26/2016

TestAmerica Canton Sample Receipt Form/Narrative Login # : 104034
Canton Facility

Client Tetra Tech Site Name _____ Cooler unpacked by:

Cooler Received on 5-10-16 Opened on 5-10-16

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# 48 (CF -1.9 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C
   IR GUN# 36 (CF -1.5 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C
   IR GUN# I8 (CF -0.5 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C
2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 2 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/MeHg)? 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 12-16 have been checked at the originating laboratory.
12. Were sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# **HC559158**
13. Were VOAs on the COC? Yes No
14. Were air bubbles >6 mm in any VOA vials? Yes No NA
15. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____ Yes No
16. Was a LL Hg or Me Hg trip blank present? _____ Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

17. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES Samples processed by:

18. 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)

19. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

180325 1,4/CO.9

Chain of Custody Record

BALTIMORE

016782

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact		Project Manager: AMY MCGIVNEY	Site Contact: T. APANAVAGE	Date: 5/10/16	COC No:
Company Name:	TETRA TECH	Tel/Fax:	Lab Contact: J. MCFADDEN	Carrier:	1 of 1 COCs
Address:	20251 CENTURY BLVD STE 200	Analysis Turnaround Time			Sampler:
City/State/Zip:	GERMANTOWN, MD 20874	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	301 233 8230	TAT if different from Below STANDARD			Walk-in Client:
Fax:	301 528 3000	☐ 2 weeks			Lab Sampling:
Project Name:	DRA TREE TISSUE	☐ 1 week			
Site:	MSA	☐ 2 days			Job / SDG No.:
P O #		☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	VOCs 8260B	TOTAL METALS 6010	Sample Specific Notes:
DR-TL3N-051016	5/10/16	1400	G	WOOD	1			X	X	
DR-TL3S-051016		1430						X	X	TRIP BLANK
DR-TL1N-051016		1000						X	X	"TB-051016"
DR-TL1S-051016		1020						X	X	ALSO INCLUDES
DR-TL13N-051016		1045						X	X	FOR VOCs.
DR-TL13S-051016		1100						X	X	
DR-TL14N-051016		1250						X	X	
DR-TL14S-051016		1320						X	X	
DR-TL15N-051016		1130						X	X	
DR-TL15S-051016		1200						X	X	
DR-TL16N-051016		0900						X	X	
DR-TL16S-051016		0930						X	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ 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:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

Relinquished by:	Company: TETRA TECH	Date/Time: 5/10/16 1600	Received by:	Company: TestAmerica	Date/Time: 5/10/16 1600
Relinquished by:	Company: TestAmerica	Date/Time: 5/10/16 1705	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TAL	Date/Time: 5-11-16 940

05/06/2016

TestAmerica Canton Sample Receipt Form/Narrative Login # : 604078
Canton Facility

Client Eurofins Site Name _____ Cooler unpacked by: Jerrod

Cooler Received on 5-11-16 Opened on 5-11-16

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# 48 (CF -1.9 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

IR GUN# 36 (CF -1.5 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

IR GUN# I8 (CF -0.5 °C) Observed Cooler Temp. 1.4 °C Corrected Cooler Temp. 0.9 °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/MeHg)?	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 12-16 have been checked at the originating laboratory.		
12. Were sample(s) at the correct pH upon receipt?	Yes No	(NA) pH Strip Lot# HC559158
13. Were VOAs on the COC?	Yes	(No)
14. Were air bubbles >6 mm in any VOA vials?	Yes	(No) NA
15. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes	(No)
16. Was a LL Hg or Me Hg trip blank present? _____	Yes	(No)

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

17. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES Samples processed by:

18. 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)

19. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

CASE NARRATIVE

Client: Tetra Tech, Inc.

Project: DRA Tree Tissue

Report Number: 240-64634-1

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.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 5/10/2016 10:05 AM and 5/11/2016 9:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 0.4º C, 0.9º C and 1.3º C.

VOLATILE ORGANIC COMPOUNDS WITH PARTICLE SIZE REDUCTION

Samples DR-TG4S-050916 (240-64634-1), DR-TL3N-051016 (240-64678-1), DR-TG4N-050916 (240-64634-2), DR-TL3S-051016 (240-64678-2), DR-TG5N-050916 (240-64634-3), DR-TL11N-051016 (240-64678-3), DR-TG5S-050916 (240-64634-4), DR-TL11S-051016 (240-64678-4), DR-TG6N-050916 (240-64634-5), DR-TL13N-051016 (240-64678-5), DR-TG6S-050916 (240-64634-6), DR-TL13S-051016 (240-64678-6), DR-TL1N-050916 (240-64634-7), DR-TL14N-051016 (240-64678-7), DR-TL1S-050916 (240-64634-8), DR-TL14S-051016 (240-64678-8), DR-TLDUP1-050916 (240-64634-9), DR-TL15N-051016 (240-64678-9), DR-TL4N-050916 (240-64634-10), DR-TL15S-051016 (240-64678-10), DR-TL4S-050916 (240-64634-11), DR-TL16N-051016 (240-64678-11), DR-TLDUP2-050916 (240-64634-12), DR-TL16S-051016 (240-64678-12), DR-TL10S-050916 (240-64634-13), DR-TL10N-050916 (240-64634-14), DR-TL9N-050916 (240-64634-15), DR-TL9S-050916 (240-64634-16), DR-TL12N-050916 (240-64634-17), DR-TL12S-050916 (240-64634-18), DR-TL6N-050916 (240-64634-19), DR-TL6S-050916 (240-64634-20), DR-TL2N-050916 (240-64634-21), DR-TL2S-050916 (240-64634-22), DR-TLDUP3-050916 (240-64634-23), DR-TL18N-050916 (240-64634-24) and DR-TL18S-050916 (240-64634-25) were analyzed for Volatile organic compounds with particle size reduction in accordance with EPA SW-846 Method 8260B. The samples were leached on 05/11/2016, 05/12/2016 and 05/13/2016 and analyzed on 05/14/2016 and 05/18/2016.

Toluene was detected in method blank MB 240-230139/1-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. Toluene was detected in method blank MB 240-230296/1-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. Refer to the QC report for details.

1,2-Dichloroethane-d4 (Surr), 4-Bromofluorobenzene (Surr), Dibromofluoromethane (Surr) and Toluene-d8 (Surr) failed the surrogate recovery criteria high for DR-TL2S-050916 (240-64634-22). 1,2-Dichloroethane-d4 (Surr), 4-Bromofluorobenzene (Surr), Dibromofluoromethane (Surr) and Toluene-d8 (Surr) failed the surrogate recovery criteria high for DR-TL3N-051016 (240-64678-1). 1,2-Dichloroethane-d4 (Surr), 4-Bromofluorobenzene (Surr), Dibromofluoromethane (Surr) and Toluene-d8 (Surr) failed the surrogate recovery criteria high for DR-TL3S-051016 (240-64678-2). Refer to the QC report for details.

tert-Butyl alcohol failed the recovery criteria low for LCS 240-230139/2-A. tert-Butyl alcohol failed the recovery criteria low for LCS

240-230296/2-A. Toluene failed the recovery criteria high. Refer to the QC report for details.

Samples DR-TL3N-051016 (240-64678-1)[6.67X], DR-TL3S-051016 (240-64678-2)[4X], DR-TL1N-050916 (240-64678-7)[4X], DR-TL1S-050916 (240-64678-8)[5X], DR-TLDUP1-050916 (240-64678-9)[4X], DR-TL2N-050916 (240-64678-21)[2.5X] and DR-TL2S-050916 (240-64678-22)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) 8260B: The following samples were diluted due to the nature of the sample matrix: DR-TG4S-050916 (240-64634-1), DR-TG4N-050916 (240-64634-2), DR-TG5N-050916 (240-64634-3), DR-TG5S-050916 (240-64634-4), DR-TG6N-050916 (240-64634-5), DR-TG6S-050916 (240-64634-6), DR-TL4N-050916 (240-64634-10), DR-TL4S-050916 (240-64634-11), DR-TLDUP2-050916 (240-64634-12), DR-TL10S-050916 (240-64634-13), DR-TL10N-050916 (240-64634-14), DR-TL9N-050916 (240-64634-15), DR-TL9S-050916 (240-64634-16), DR-TL12N-050916 (240-64634-17), DR-TL12S-050916 (240-64634-18) and DR-TL6N-050916 (240-64634-19). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following samples were diluted due to the abundance of non-target analytes: DR-TL1N-050916 (240-64634-7), DR-TL1S-050916 (240-64634-8) and DR-TLDUP1-050916 (240-64634-9). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The laboratory control sample (LCS) for preparation batch 240-229930, 240-230026 and 240-230139 and analytical batch 240-230314 recovered outside control limits for the following analyte: tert-Butyl alcohol. This compound has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8260B: The laboratory control sample (LCS) for prep batch 230296 recovered outside control limits for the following analyte: Toluene. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The laboratory control sample (LCS) for prep batches 230296 and 230139 recovered outside control limits for the following analyte: tert-Butyl alcohol. This compound has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8260B: The following samples was diluted due to the abundance of non-target analytes: DR-TL2N-050916 (240-64634-21), DR-TL2S-050916 (240-64634-22), DR-TL3N-051016 (240-64678-1) and DR-TL3S-051016 (240-64678-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following samples were diluted due to the nature of the sample matrix: DR-TL6S-050916 (240-64634-20), DR-TLDUP3-050916 (240-64634-23), DR-TL18N-050916 (240-64634-24), DR-TL18S-050916 (240-64634-25), DR-TL11N-051016 (240-64678-3), DR-TL11S-051016 (240-64678-4), DR-TL13N-051016 (240-64678-5), DR-TL13S-051016 (240-64678-6), DR-TL14N-051016 (240-64678-7), DR-TL14S-051016 (240-64678-8), DR-TL15N-051016 (240-64678-9), DR-TL15S-051016 (240-64678-10), DR-TL16N-051016 (240-64678-11) and DR-TL16S-051016 (240-64678-12). Elevated reporting limits (RLs) are provided.

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

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples TB-051016 (240-64678-13) and TB-050916 (240-64634-26) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 05/16/2016 and 05/18/2016.

Method(s) 8260C: The continuing calibration verification (CCV) for analytical batch 230444 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. Batch includes: TB-050916 (240-64634-26).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 230444 recovered above the upper control limit for Hexane. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported. The following sample is impacted: TB-050916 (240-64634-26).

Method(s) 8260C: 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. The following was acid preserved: TB-050916 (240-64634-26).

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 240-229930, 240-230026 and 240-230139 and analytical batch 240-230314.

Method(s) 8260B: The laboratory control sample (LCS) for preparation batch 240-229930, 240-230026 and 240-230139 and analytical batch 240-230314 recovered outside control limits for the following analyte: tert-Butyl alcohol. This compound has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8260B: The laboratory control sample (LCS) for prep batch 230296 recovered outside control limits for the following analyte: Toluene. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The laboratory control sample (LCS) for prep batches 230296 and 230139 recovered outside control limits for the following analyte: tert-Butyl alcohol. This compound has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8260B: The following samples was diluted due to the abundance of non-target analytes: DR-TL2N-050916 (240-64634-21), DR-TL2S-050916 (240-64634-22), DR-TL3N-051016 (240-64678-1) and DR-TL3S-051016 (240-64678-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following samples were diluted due to the nature of the sample matrix: DR-TL6S-050916 (240-64634-20), DR-TLDUP3-050916 (240-64634-23), DR-TL18N-050916 (240-64634-24), DR-TL18S-050916 (240-64634-25), DR-TL11N-051016 (240-64678-3), DR-TL11S-051016 (240-64678-4), DR-TL13N-051016 (240-64678-5), DR-TL13S-051016 (240-64678-6), DR-TL14N-051016 (240-64678-7), DR-TL14S-051016 (240-64678-8), DR-TL15N-051016 (240-64678-9), DR-TL15S-051016 (240-64678-10), DR-TL16N-051016 (240-64678-11) and DR-TL16S-051016 (240-64678-12). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with prep batches 230296 and 230139.

Method(s) 8260C: The continuing calibration verification (CCV) for analytical batch 230805 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. Batch includes: TB-051016 (240-64678-13).

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

ICP

Samples DR-TG4S-050916 (240-64634-1), DR-TL3N-051016 (240-64678-1), DR-TG4N-050916 (240-64634-2), DR-TL3S-051016 (240-64678-2), DR-TG5N-050916 (240-64634-3), DR-TL11N-051016 (240-64678-3), DR-TG5S-050916 (240-64634-4), DR-TL11S-051016 (240-64678-4), DR-TG6N-050916 (240-64634-5), DR-TL13N-051016 (240-64678-5), DR-TG6S-050916 (240-64634-6), DR-TL13S-051016 (240-64678-6), DR-TL1N-050916 (240-64634-7), DR-TL14N-051016 (240-64678-7), DR-TL1S-050916 (240-64634-8), DR-TL14S-051016 (240-64678-8), DR-TLDUP1-050916 (240-64634-9), DR-TL15N-051016 (240-64678-9), DR-TL4N-050916 (240-64634-10), DR-TL15S-051016 (240-64678-10), DR-TL4S-050916 (240-64634-11), DR-TL16N-051016 (240-64678-11), DR-TLDUP2-050916 (240-64634-12), DR-TL16S-051016 (240-64678-12), DR-TL10S-050916 (240-64634-13), DR-TL10N-050916 (240-64634-14), DR-TL9N-050916 (240-64634-15), DR-TL9S-050916 (240-64634-16), DR-TL12N-050916 (240-64634-17), DR-TL12S-050916 (240-64634-18), DR-TL6N-050916 (240-64634-19), DR-TL6S-050916 (240-64634-20), DR-TL2N-050916 (240-64634-21), DR-TL2S-050916 (240-64634-22), DR-TLDUP3-050916 (240-64634-23), DR-TL18N-050916 (240-64634-24) and DR-TL18S-050916 (240-64634-25) were analyzed for ICP in accordance with SW-846 Method 6010C. The samples were leached on 05/11/2016, 05/12/2016 and 05/13/2016, prepared on 05/12/2016, 05/16/2016 and 05/17/2016 and analyzed on 05/13/2016, 05/17/2016 and 05/18/2016.

Lead and Silver were detected in method blank MB 240-230062/1-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. Lead was detected in method blank MB 240-230452/1-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. Chromium and Selenium were detected in method blank MB 240-230660/1-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. Refer to the QC report for details.

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

MERCURY

Samples DR-TG4S-050916 (240-64634-1), DR-TL3N-051016 (240-64678-1), DR-TG4N-050916 (240-64634-2), DR-TL3S-051016 (240-64678-2), DR-TG5N-050916 (240-64634-3), DR-TL11N-051016 (240-64678-3), DR-TG5S-050916 (240-64634-4), DR-TL11S-051016 (240-64678-4), DR-TG6N-050916 (240-64634-5), DR-TL13N-051016 (240-64678-5), DR-TG6S-050916 (240-64634-6), DR-TL13S-051016 (240-64678-6), DR-TL1N-050916 (240-64634-7), DR-TL14N-051016 (240-64678-7), DR-TL1S-050916 (240-64634-8), DR-TL14S-051016 (240-64678-8), DR-TLDUP1-050916 (240-64634-9), DR-TL15N-051016 (240-64678-9), DR-TL4N-050916 (240-64634-10), DR-TL15S-051016 (240-64678-10), DR-TL4S-050916 (240-64634-11), DR-TL16N-051016 (240-64678-11), DR-TLDUP2-050916 (240-64634-12), DR-TL16S-051016 (240-64678-12), DR-TL10S-050916 (240-64634-13), DR-TL10N-050916 (240-64634-14), DR-TL9N-050916 (240-64634-15), DR-TL9S-050916 (240-64634-16), DR-TL12N-050916 (240-64634-17), DR-TL12S-050916 (240-64634-18), DR-TL6N-050916 (240-64634-19), DR-TL6S-050916 (240-64634-20), DR-TL2N-050916 (240-64634-21), DR-TL2S-050916 (240-64634-22), DR-TLDUP3-050916 (240-64634-23), DR-TL18N-050916 (240-64634-24) and DR-TL18S-050916 (240-64634-25) were analyzed for mercury in accordance with EPA SW-846 Method 7471A. The samples were leached on 05/11/2016, 05/12/2016 and 05/13/2016, prepared on 05/12/2016, 05/16/2016 and 05/17/2016 and analyzed on 05/13/2016, 05/17/2016 and 05/18/2016.

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

MOISTURE

Samples DR-TG4S-050916 (240-64634-1), DR-TL3N-051016 (240-64678-1), DR-TG4N-050916 (240-64634-2), DR-TL3S-051016 (240-64678-2), DR-TG5N-050916 (240-64634-3), DR-TL11N-051016 (240-64678-3), DR-TG5S-050916 (240-64634-4), DR-TL11S-051016 (240-64678-4), DR-TG6N-050916 (240-64634-5), DR-TL13N-051016 (240-64678-5), DR-TG6S-050916 (240-64634-6), DR-TL13S-051016 (240-64678-6), DR-TL1N-050916 (240-64634-7), DR-TL14N-051016 (240-64678-7), DR-TL1S-050916 (240-64634-8), DR-TL14S-051016 (240-64678-8), DR-TLDUP1-050916 (240-64634-9), DR-TL15N-051016 (240-64678-9), DR-TL4N-050916 (240-64634-10), DR-TL15S-051016 (240-64678-10), DR-TL4S-050916 (240-64634-11), DR-TL16N-051016 (240-64678-11), DR-TLDUP2-050916 (240-64634-12), DR-TL16S-051016 (240-64678-12), DR-TL10S-050916 (240-64634-13), DR-TL10N-050916 (240-64634-14), DR-TL9N-050916 (240-64634-15), DR-TL9S-050916 (240-64634-16), DR-TL12N-050916 (240-64634-17), DR-TL12S-050916 (240-64634-18), DR-TL6N-050916 (240-64634-19), DR-TL6S-050916 (240-64634-20), DR-TL2N-050916 (240-64634-21), DR-TL2S-050916 (240-64634-22), DR-TLDUP3-050916 (240-64634-23), DR-TL18N-050916 (240-64634-24) and DR-TL18S-050916 (240-64634-25) were analyzed for Moisture in accordance with Moisture. The samples were leached on 05/11/2016, 05/12/2016 and 05/13/2016 and analyzed on 05/13/2016 and 05/16/2016.

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

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.
X	Surrogate is outside control limits

GC/MS VOA TICs

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Indicates an Estimated Value for TICs
N	This flag indicates the presumptive evidence of a compound.
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.

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: DRA Tree Tissue

TestAmerica Job ID: 240-64634-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-64634-1	DR-TG4S-050916	Solid	05/09/16 08:15	05/10/16 10:05
240-64634-2	DR-TG4N-050916	Solid	05/09/16 08:00	05/10/16 10:05
240-64634-3	DR-TG5N-050916	Solid	05/09/16 08:45	05/10/16 10:05
240-64634-4	DR-TG5S-050916	Solid	05/09/16 09:00	05/10/16 10:05
240-64634-5	DR-TG6N-050916	Solid	05/09/16 09:20	05/10/16 10:05
240-64634-6	DR-TG6S-050916	Solid	05/09/16 09:40	05/10/16 10:05
240-64634-7	DR-TL1N-050916	Solid	05/09/16 10:00	05/10/16 10:05
240-64634-8	DR-TL1S-050916	Solid	05/09/16 10:30	05/10/16 10:05
240-64634-9	DR-TLDUP1-050916	Solid	05/09/16 07:00	05/10/16 10:05
240-64634-10	DR-TL4N-050916	Solid	05/09/16 11:00	05/10/16 10:05
240-64634-11	DR-TL4S-050916	Solid	05/09/16 11:30	05/10/16 10:05
240-64634-12	DR-TLDUP2-050916	Solid	05/09/16 07:30	05/10/16 10:05
240-64634-13	DR-TL10S-050916	Solid	05/09/16 12:30	05/10/16 10:05
240-64634-14	DR-TL10N-050916	Solid	05/09/16 12:00	05/10/16 10:05
240-64634-15	DR-TL9N-050916	Solid	05/09/16 12:45	05/10/16 10:05
240-64634-16	DR-TL9S-050916	Solid	05/09/16 13:00	05/10/16 10:05
240-64634-17	DR-TL12N-050916	Solid	05/09/16 13:15	05/10/16 10:05
240-64634-18	DR-TL12S-050916	Solid	05/09/16 13:20	05/10/16 10:05
240-64634-19	DR-TL6N-050916	Solid	05/09/16 13:30	05/10/16 10:05
240-64634-20	DR-TL6S-050916	Solid	05/09/16 13:40	05/10/16 10:05
240-64634-21	DR-TL2N-050916	Solid	05/09/16 14:00	05/10/16 10:05
240-64634-22	DR-TL2S-050916	Solid	05/09/16 14:20	05/10/16 10:05
240-64634-23	DR-TLDUP3-050916	Solid	05/09/16 07:15	05/10/16 10:05
240-64634-24	DR-TL18N-050916	Solid	05/09/16 14:45	05/10/16 10:05
240-64634-25	DR-TL18S-050916	Solid	05/09/16 15:20	05/10/16 10:05
240-64634-26	TB-050916	Water	05/09/16 00:00	05/10/16 10:05
240-64678-1	DR-TL3N-051016	Solid	05/10/16 14:00	05/11/16 09:40
240-64678-2	DR-TL3S-051016	Solid	05/10/16 14:30	05/11/16 09:40
240-64678-3	DR-TL11N-051016	Solid	05/10/16 10:00	05/11/16 09:40
240-64678-4	DR-TL11S-051016	Solid	05/10/16 10:20	05/11/16 09:40
240-64678-5	DR-TL13N-051016	Solid	05/10/16 10:45	05/11/16 09:40
240-64678-6	DR-TL13S-051016	Solid	05/10/16 11:00	05/11/16 09:40
240-64678-7	DR-TL14N-051016	Solid	05/10/16 12:50	05/11/16 09:40
240-64678-8	DR-TL14S-051016	Solid	05/10/16 13:20	05/11/16 09:40
240-64678-9	DR-TL15N-051016	Solid	05/10/16 11:30	05/11/16 09:40
240-64678-10	DR-TL15S-051016	Solid	05/10/16 12:00	05/11/16 09:40
240-64678-11	DR-TL16N-051016	Solid	05/10/16 09:00	05/11/16 09:40
240-64678-12	DR-TL16S-051016	Solid	05/10/16 09:30	05/11/16 09:40
240-64678-13	TB-051016	Water	05/10/16 00:00	05/11/16 09:40

Method Summary

Client: Tetra Tech, Inc.
Project/Site: DRA Tree Tissue

TestAmerica Job ID: 240-64634-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CAN
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL CAN
6010C	Metals (ICP)	SW846	TAL CAN
7471A	Mercury (CVAA)	SW846	TAL CAN
Moisture	Percent Moisture	EPA	TAL CAN

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Matrix: Solid Level: Medium

GC Column (1): DB-624 ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DBFM	#	DCA	#	TOL	#	BFB	#
DR-TG4S-050916	240-64634-1	62		74		75		66	
DR-TG4N-050916	240-64634-2	63		73		74		66	
DR-TG5N-050916	240-64634-3	57		70		72		64	
DR-TG5S-050916	240-64634-4	60		74		72		64	
DR-TG6N-050916	240-64634-5	62		72		75		64	
DR-TG6S-050916	240-64634-6	60		72		72		65	
DR-TL1N-050916	240-64634-7	59		72		75		72	
DR-TL1S-050916	240-64634-8	58		72		71		68	
DR-TLDUP1-050916	240-64634-9	61		74		68		65	
DR-TL4N-050916	240-64634-10	60		70		71		66	
DR-TL4S-050916	240-64634-11	57		70		68		60	
DR-TLDUP2-050916	240-64634-12	60		72		71		63	
DR-TL10S-050916	240-64634-13	57		69		70		61	
DR-TL10N-050916	240-64634-14	59		73		72		65	
DR-TL9N-050916	240-64634-15	59		77		71		63	
DR-TL9S-050916	240-64634-16	54		66		66		58	
DR-TL12N-050916	240-64634-17	55		69		67		58	
DR-TL12S-050916	240-64634-18	55		70		70		62	
DR-TL6N-050916	240-64634-19	55		65		68		59	
DR-TL6S-050916	240-64634-20	74		84		91		81	
DR-TL2N-050916	240-64634-21	113		117		126		131	
DR-TL2S-050916	240-64634-22	150	X	169	X	163	X	181	X
DR-TLDUP3-050916	240-64634-23	90		95		98		93	
DR-TL18N-050916	240-64634-24	85		96		100		93	
DR-TL18S-050916	240-64634-25	82		90		91		87	
DR-TL3N-051016	240-64678-1	167	X	184	X	194	X	200	X
DR-TL3S-051016	240-64678-2	138	X	143	X	158	X	159	X
DR-TL11N-051016	240-64678-3	83		91		95		88	
DR-TL11S-051016	240-64678-4	83		91		93		85	
DR-TL13N-051016	240-64678-5	86		98		98		89	
DR-TL13S-051016	240-64678-6	84		97		95		88	
DR-TL14N-051016	240-64678-7	80		92		91		82	
DR-TL14S-051016	240-64678-8	81		92		92		84	
DR-TL15N-051016	240-64678-9	80		91		92		85	
DR-TL15S-051016	240-64678-10	75		86		87		78	

10X

6.66X
4X

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	30-122
DCA = 1,2-Dichloroethane-d4 (Surr)	39-128
TOL = Toluene-d8 (Surr)	33-134
BFB = 4-Bromofluorobenzene (Surr)	26-141

Column to be used to flag recovery values

FORM II 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Matrix: Solid Level: Medium

GC Column (1): DB-624 ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
DR-TL16N-051016	240-64678-11	77	85	89	78
DR-TL16S-051016	240-64678-12	77	89	90	79
	MB 240-230139/1-A	57	67	70	63
	MB 240-230296/1-A	102	107	110	107
	LCS 240-230139/2-A	71	74	72	69
	LCS 240-230296/2-A	99	94	101	99

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	30-122
DCA = 1,2-Dichloroethane-d4 (Surr)	39-128
TOL = Toluene-d8 (Surr)	33-134
BFB = 4-Bromofluorobenzene (Surr)	26-141

Column to be used to flag recovery values

FORM II 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Sample No.: ICIS 240-230141/6 Date Analyzed: 05/13/2016 00:33

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UX83655.D Heated Purge: (Y/N) Y

Calibration ID: 34380

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1630833	5.16	1144873	7.69	619910	9.88
UPPER LIMIT		3261666	5.66	2289746	8.19	1239820	10.38
LOWER LIMIT		815417	4.66	572437	7.19	309955	9.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-230141/12		1916732	5.16	1394302	7.69	695061	9.88
CCVIS 240-230314/4		2033204	5.16	1467668	7.68	759157	9.88
CCVIS 240-230734/4		2030486	5.16	1390870	7.69	716452	9.88

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Sample No.: CCVIS 240-230314/4 Date Analyzed: 05/14/2016 01:53

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UX83686.D Heated Purge: (Y/N) Y

Calibration ID: 34380

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		2033204	5.16	1467668	7.68	759157	9.88
UPPER LIMIT		4066408	5.66	2935336	8.18	1518314	10.38
LOWER LIMIT		1016602	4.66	733834	7.18	379579	9.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-230314/5		2036740	5.16	1502800	7.68	782944	9.88
MB 240-230139/1-A		2281200	5.16	1617470	7.69	832859	9.88
LCS 240-230139/2-A		2197990	5.16	1623961	7.69	841656	9.88
240-64634-1	DR-TG4S-050916	2239119	5.16	1597742	7.69	792654	9.88
240-64634-2	DR-TG4N-050916	2151067	5.16	1522884	7.69	798350	9.88
240-64634-3	DR-TG5N-050916	2327224	5.16	1689129	7.69	835538	9.88
240-64634-4	DR-TG5S-050916	2259080	5.16	1628949	7.69	829917	9.88
240-64634-5	DR-TG6N-050916	2289261	5.16	1652376	7.69	820876	9.88
240-64634-6	DR-TG6S-050916	2174221	5.16	1592198	7.69	797691	9.88
240-64634-7	DR-TL1N-050916	2176255	5.16	1486465	7.68	808921	9.88
240-64634-8	DR-TL1S-050916	2324921	5.16	1689592	7.69	853534	9.88
240-64634-9	DR-TLDUP1-050916	2157774	5.16	1572856	7.68	838915	9.88
240-64634-10	DR-TL4N-050916	2251139	5.16	1641683	7.68	826032	9.88
240-64634-11	DR-TL4S-050916	2460244	5.15	1800511	7.68	878642	9.88
240-64634-12	DR-TLDUP2-050916	2335545	5.16	1679971	7.69	866165	9.88
240-64634-13	DR-TL10S-050916	2324673	5.16	1619323	7.69	833717	9.88
240-64634-14	DR-TL10N-050916	2286308	5.15	1627214	7.68	839051	9.88
240-64634-15	DR-TL9N-050916	2235561	5.16	1661702	7.68	828819	9.88
240-64634-16	DR-TL9S-050916	2244946	5.16	1570724	7.69	851427	9.88
240-64634-17	DR-TL12N-050916	2215533	5.16	1565341	7.69	829896	9.88
240-64634-18	DR-TL12S-050916	2313875	5.16	1657839	7.69	839762	9.88
240-64634-19	DR-TL6N-050916	2412837	5.16	1711542	7.69	836140	9.88

FB = Fluorobenzene
FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4
Area Limit = 50%-200% of internal standard area
DCB = 1,4-Dichlorobenzene-d4
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Sample No.: CCVIS 240-230734/4 Date Analyzed: 05/18/2016 02:17

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UX83754.D Heated Purge: (Y/N) Y

Calibration ID: 34380

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		2030486	5.16	1390870	7.69	716452	9.88
UPPER LIMIT		4060972	5.66	2781740	8.19	1432904	10.38
LOWER LIMIT		1015243	4.66	695435	7.19	358226	9.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-230734/5		2052871	5.16	1567512	7.68	833067	9.88
MB 240-230296/1-A		1808777	5.16	1325894	7.69	700298	9.88
LCS 240-230296/2-A		2087099	5.16	1544930	7.69	817618	9.88
240-64634-21	DR-TL2N-050916	2006124	5.16	1474272	7.69	814946	9.88
240-64634-22	DR-TL2S-050916	1934307	5.16	1422556	7.68	787155	9.88
240-64634-23	DR-TLDUP3-050916	2141021	5.16	1569383	7.68	798384	9.88
240-64634-24	DR-TL18N-050916	2067172	5.16	1509324	7.68	742026	9.88
240-64634-25	DR-TL18S-050916	2124151	5.15	1556969	7.68	823501	9.88
240-64678-1	DR-TL3N-051016	2137835	5.16	1558333	7.69	843694	9.88
240-64678-2	DR-TL3S-051016	2195323	5.16	1606787	7.68	869441	9.88
240-64678-3	DR-TL11N-051016	2099813	5.16	1484162	7.69	754546	9.88
240-64678-4	DR-TL11S-051016	2098884	5.16	1541962	7.68	803421	9.88
240-64678-5	DR-TL13N-051016	2005803	5.16	1479643	7.69	748187	9.88
240-64678-6	DR-TL13S-051016	2046793	5.15	1491829	7.68	769924	9.88
240-64678-7	DR-TL14N-051016	2115372	5.16	1570981	7.69	792954	9.88
240-64678-8	DR-TL14S-051016	2208394	5.15	1644676	7.68	826487	9.88
240-64678-9	DR-TL15N-051016	2118350	5.15	1516151	7.68	769699	9.88
240-64678-10	DR-TL15S-051016	2273591	5.16	1695805	7.69	859246	9.88
240-64678-11	DR-TL16N-051016	2108222	5.15	1533095	7.68	772357	9.88
240-64678-12	DR-TL16S-051016	2113628	5.15	1561018	7.68	753443	9.88
240-64634-20	DR-TL6S-050916	2081166	5.16	1422983	7.68	685235	9.88

FB = Fluorobenzene
FB = Fluorobenzene
CBZ = Chlorobenzene-d5
CBZ = Chlorobenzene-d5
Area Limit = 50%-200% of internal standard area
DCB = 1,4-Dichlorobenzene-d4
RT Limit = ± 0.5 minutes of internal standard RT
DCB = 1,4-Dichlorobenzene-d4

Column used to flag values outside QC limits

FORM VIII 8260B

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab File ID: UX83697.D Lab Sample ID: MB 240-230139/1-A

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: A3UX8 Date Analyzed: 05/14/2016 05:46

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 240-230139/2-A	UX83698.D	05/14/2016 06:07
DR-TG4S-050916	240-64634-1	UX83700.D	05/14/2016 06:50
DR-TG4N-050916	240-64634-2	UX83701.D	05/14/2016 07:11
DR-TG5N-050916	240-64634-3	UX83702.D	05/14/2016 07:32
DR-TG5S-050916	240-64634-4	UX83703.D	05/14/2016 07:53
DR-TG6N-050916	240-64634-5	UX83704.D	05/14/2016 08:15
DR-TG6S-050916	240-64634-6	UX83705.D	05/14/2016 08:36
DR-TL1N-050916	240-64634-7	UX83706.D	05/14/2016 08:57
DR-TL1S-050916	240-64634-8	UX83707.D	05/14/2016 09:18
DR-TLDUP1-050916	240-64634-9	UX83708.D	05/14/2016 09:39
DR-TL4N-050916	240-64634-10	UX83709.D	05/14/2016 10:01
DR-TL4S-050916	240-64634-11	UX83710.D	05/14/2016 10:22
DR-TLDUP2-050916	240-64634-12	UX83711.D	05/14/2016 10:43
DR-TL10S-050916	240-64634-13	UX83712.D	05/14/2016 11:04
DR-TL10N-050916	240-64634-14	UX83713.D	05/14/2016 11:25
DR-TL9N-050916	240-64634-15	UX83714.D	05/14/2016 11:47
DR-TL9S-050916	240-64634-16	UX83715.D	05/14/2016 12:08
DR-TL12N-050916	240-64634-17	UX83716.D	05/14/2016 12:29
DR-TL12S-050916	240-64634-18	UX83717.D	05/14/2016 12:50
DR-TL6N-050916	240-64634-19	UX83718.D	05/14/2016 13:12
DR-TL6S-050916	240-64634-20	UX83781.D	05/18/2016 11:55

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-230139/1-A

Matrix: Solid | Lab File ID: UX83697.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5.00(g) | Date Analyzed: 05/14/2016 05:46

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.049	U	0.25	0.049
71-55-6	1,1,1-Trichloroethane	0.027	U	0.25	0.027
79-34-5	1,1,2,2-Tetrachloroethane	0.025	U	0.25	0.025
76-13-1	1,1,2-Trichlorotrifluoroethane	0.042	U	0.25	0.042
75-34-3	1,1-Dichloroethane	0.035	U	0.25	0.035
75-35-4	1,1-Dichloroethene	0.030	U	0.25	0.030
563-58-6	1,1-Dichloropropene	0.038	U	0.25	0.038
87-61-6	1,2,3-Trichlorobenzene	0.039	U	0.25	0.039
96-18-4	1,2,3-Trichloropropane	0.10	U	0.25	0.10
526-73-8	1,2,3-Trimethylbenzene	0.013	U	0.25	0.013
120-82-1	1,2,4-Trichlorobenzene	0.030	U	0.25	0.030
95-63-6	1,2,4-Trimethylbenzene	0.013	U	0.25	0.013
96-12-8	1,2-Dibromo-3-Chloropropane	0.071	U	0.50	0.071
95-50-1	1,2-Dichlorobenzene	0.019	U	0.25	0.019
107-06-2	1,2-Dichloroethane	0.010	U	0.25	0.010
78-87-5	1,2-Dichloropropane	0.032	U	0.25	0.032
541-73-1	1,3-Dichlorobenzene	0.030	U	0.25	0.030
142-28-9	1,3-Dichloropropane	0.023	U	0.25	0.023
106-46-7	1,4-Dichlorobenzene	0.041	U	0.25	0.041
594-20-7	2,2-Dichloropropane	0.052	U	0.25	0.052
78-93-3	2-Butanone (MEK)	0.073	U	1.0	0.073
110-75-8	2-Chloroethyl vinyl ether	0.078	U	1.0	0.078
95-49-8	2-Chlorotoluene	0.041	U	0.25	0.041
591-78-6	2-Hexanone	0.084	U	1.0	0.084
106-43-4	4-Chlorotoluene	0.026	U	0.25	0.026
99-87-6	4-Isopropyltoluene	0.025	U	0.25	0.025
108-10-1	4-Methyl-2-pentanone (MIBK)	0.056	U	1.0	0.056
67-64-1	Acetone	0.23	U	1.0	0.23
71-43-2	Benzene	0.0090	U	0.25	0.0090
108-86-1	Bromobenzene	0.013	U	0.25	0.013
75-25-2	Bromoform	0.061	U	0.25	0.061
74-83-9	Bromomethane	0.051	U	0.25	0.051
75-15-0	Carbon disulfide	0.056	U	0.25	0.056
56-23-5	Carbon tetrachloride	0.018	U	0.25	0.018
108-90-7	Chlorobenzene	0.013	U	0.25	0.013
124-48-1	Chlorodibromomethane	0.020	U	0.25	0.020

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-230139/1-A

Matrix: Solid | Lab File ID: UX83697.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5.00(g) | Date Analyzed: 05/14/2016 05:46

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.051	U	0.25	0.051
67-66-3	Chloroform	0.036	U	0.25	0.036
74-87-3	Chloromethane	0.048	U	0.25	0.048
156-59-2	cis-1,2-Dichloroethene	0.038	U	0.25	0.038
10061-01-5	cis-1,3-Dichloropropene	0.022	U	0.25	0.022
74-95-3	Dibromomethane	0.050	U	0.25	0.050
74-97-5	Bromochloromethane	0.070	U	0.25	0.070
75-71-8	Dichlorodifluoromethane	0.061	U	0.25	0.061
75-27-4	Bromodichloromethane	0.038	U	0.25	0.038
75-65-0	tert-Butyl alcohol	0.84	U	10	0.84
100-41-4	Ethylbenzene	0.035	U	0.25	0.035
87-68-3	Hexachlorobutadiene	0.044	U	0.25	0.044
108-20-3	Diisopropyl ether	0.052	U	0.50	0.052
98-82-8	Isopropylbenzene	0.013	U	0.25	0.013
1634-04-4	Methyl tert-butyl ether	0.030	U	0.25	0.030
75-09-2	Methylene Chloride	0.085	U	0.25	0.085
179601-23-1	m-Xylene & p-Xylene	0.020	U	0.25	0.020
91-20-3	Naphthalene	0.026	U	0.25	0.026
104-51-8	n-Butylbenzene	0.021	U	0.25	0.021
103-65-1	N-Propylbenzene	0.061	U	0.25	0.061
95-47-6	o-Xylene	0.017	U	0.25	0.017
135-98-8	sec-Butylbenzene	0.016	U	0.25	0.016
100-42-5	Styrene	0.027	U	0.25	0.027
994-05-8	Tert-amyl methyl ether	0.042	U	0.25	0.042
637-92-3	Ethyl tert-butyl ether	0.016	U	0.25	0.016
127-18-4	Tetrachloroethene	0.027	U	0.25	0.027
108-88-3	Toluene	0.0101	J	0.25	0.010
156-60-5	trans-1,2-Dichloroethene	0.026	U	0.25	0.026
10061-02-6	trans-1,3-Dichloropropene	0.026	U	0.25	0.026
79-01-6	Trichloroethene	0.039	U	0.25	0.039
75-69-4	Trichlorofluoromethane	0.035	U	0.25	0.035
108-05-4	Vinyl acetate	0.10	U	0.50	0.10
75-01-4	Vinyl chloride	0.017	U	0.25	0.017
1330-20-7	Xylenes, Total	0.032	U	0.50	0.032
98-06-6	tert-Butylbenzene	0.034	U	0.25	0.034
106-93-4	1,2-Dibromoethane	0.032	U	0.25	0.032

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-230139/1-A

Matrix: Solid Lab File ID: UX83697.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5.00(g) Date Analyzed: 05/14/2016 05:46

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Medium

Analysis Batch No.: 230314 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	70		33-134
1868-53-7	Dibromofluoromethane (Surr)	57		30-122
460-00-4	4-Bromofluorobenzene (Surr)	63		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	67		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-230139/1-A

Matrix: Solid | Lab File ID: UX83697.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5.00(g) | Date Analyzed: 05/14/2016 05:46

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-230139/1-A

Matrix: Solid | Lab File ID: UX83697.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5.00(g) | Date Analyzed: 05/14/2016 05:46

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 230314 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC	1.60	0.25	U

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: UX83698.D

Lab ID: LCS 240-230139/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	1.00	0.483	48	27-121	
1,1,1-Trichloroethane	1.00	0.602	60	38-122	
1,1,2,2-Tetrachloroethane	1.00	0.779	78	54-121	
1,1,2-Trichlorotrifluoroethane	1.00	0.790	79	48-151	
1,1-Dichloroethane	1.00	0.811	81	63-120	
1,1-Dichloroethene	1.00	0.743	74	44-143	
1,1-Dichloropropene	1.00	0.830	83	60-123	
1,2,3-Trichlorobenzene	1.00	0.778	78	43-129	
1,2,3-Trichloropropane	1.00	0.920	92	74-124	
1,2,4-Trichlorobenzene	1.00	0.770	77	41-135	
1,2,4-Trimethylbenzene	1.00	0.853	85	62-133	
1,2-Dibromo-3-Chloropropane	1.00	0.457 J	46	10-129	
1,2-Dichlorobenzene	1.00	0.815	81	68-120	
1,2-Dichloroethane	1.00	0.863	86	68-120	
1,2-Dichloropropane	1.00	0.859	86	73-120	
1,3-Dichlorobenzene	1.00	0.810	81	66-121	
1,3-Dichloropropane	1.00	0.837	84	74-120	
1,4-Dichlorobenzene	1.00	0.791	79	65-120	
2,2-Dichloropropane	1.00	0.481	48	25-123	
2-Butanone (MEK)	2.00	1.49	75	10-199	
2-Chloroethyl vinyl ether	1.00	0.982 J	98	25-140	
2-Chlorotoluene	1.00	0.860	86	68-122	
2-Hexanone	2.00	1.43	71	43-130	
4-Chlorotoluene	1.00	0.824	82	68-122	
4-Isopropyltoluene	1.00	0.810	81	56-136	
4-Methyl-2-pentanone (MIBK)	2.00	1.73	86	49-121	
Acetone	2.00	0.906 J	45	16-156	
Benzene	1.00	0.842	84	70-120	
Bromobenzene	1.00	0.847	85	72-120	
Bromoform	1.00	0.554	55	10-120	
Bromomethane	1.00	0.292	29	10-120	
Carbon disulfide	1.00	0.608	61	10-132	
Carbon tetrachloride	1.00	0.472	47	29-120	
Chlorobenzene	1.00	0.811	81	71-120	
Chlorodibromomethane	1.00	0.556	56	22-120	
Chloroethane	1.00	0.374	37	10-120	
Chloroform	1.00	0.773	77	63-120	
Chloromethane	1.00	0.629	63	25-120	
cis-1,2-Dichloroethene	1.00	0.851	85	60-125	
cis-1,3-Dichloropropene	1.00	0.633	63	25-120	
Dibromomethane	1.00	0.801	80	68-120	
Bromochloromethane	1.00	0.848	85	56-128	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: UX83698.D

Lab ID: LCS 240-230139/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	1.00	0.448	45	10-120	
Bromodichloromethane	1.00	0.658	66	28-123	
tert-Butyl alcohol	10.0	6.20 J	62	70-130	*
Ethylbenzene	1.00	0.804	80	66-120	
Hexachlorobutadiene	1.00	0.760	76	34-135	
Isopropylbenzene	1.00	0.845	84	61-123	
Methyl tert-butyl ether	1.00	0.818	82	34-157	
Methylene Chloride	1.00	0.883	88	27-172	
m-Xylene & p-Xylene	1.00	0.809	81	67-120	
Naphthalene	1.00	0.764	76	37-126	
n-Butylbenzene	1.00	0.815	81	51-137	
N-Propylbenzene	1.00	0.859	86	64-130	
o-Xylene	1.00	0.837	84	68-120	
sec-Butylbenzene	1.00	0.823	82	58-131	
Styrene	1.00	0.855	85	60-120	
Tetrachloroethene	1.00	0.789	79	58-131	
Toluene	1.00	0.861	86	66-123	
trans-1,2-Dichloroethene	1.00	0.867	87	58-121	
trans-1,3-Dichloropropene	1.00	0.511	51	22-122	
Trichloroethene	1.00	0.836	84	59-124	
Trichlorofluoromethane	1.00	0.562	56	17-145	
Vinyl acetate	1.00	0.720	72	70-130	
Vinyl chloride	1.00	0.685	68	33-120	
Xylenes, Total	2.00	1.65	82	68-120	
tert-Butylbenzene	1.00	0.838	84	58-128	
1,2-Dibromoethane	1.00	0.744	74	47-123	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab File ID: UX83761.D Lab Sample ID: MB 240-230296/1-A

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: A3UX8 Date Analyzed: 05/18/2016 04:52

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 240-230296/2-A	UX83762.D	05/18/2016 05:13
DR-TL2N-050916	240-64634-21	UX83764.D	05/18/2016 05:55
DR-TL2S-050916	240-64634-22	UX83765.D	05/18/2016 06:17
DR-TLDUP3-050916	240-64634-23	UX83766.D	05/18/2016 06:38
DR-TL18N-050916	240-64634-24	UX83767.D	05/18/2016 06:59
DR-TL18S-050916	240-64634-25	UX83768.D	05/18/2016 07:20
DR-TL3N-051016	240-64678-1	UX83769.D	05/18/2016 07:41
DR-TL3S-051016	240-64678-2	UX83770.D	05/18/2016 08:02
DR-TL11N-051016	240-64678-3	UX83771.D	05/18/2016 08:24
DR-TL11S-051016	240-64678-4	UX83772.D	05/18/2016 08:45
DR-TL13N-051016	240-64678-5	UX83773.D	05/18/2016 09:06
DR-TL13S-051016	240-64678-6	UX83774.D	05/18/2016 09:27
DR-TL14N-051016	240-64678-7	UX83775.D	05/18/2016 09:48
DR-TL14S-051016	240-64678-8	UX83776.D	05/18/2016 10:09
DR-TL15N-051016	240-64678-9	UX83777.D	05/18/2016 10:31
DR-TL15S-051016	240-64678-10	UX83778.D	05/18/2016 10:52
DR-TL16N-051016	240-64678-11	UX83779.D	05/18/2016 11:13
DR-TL16S-051016	240-64678-12	UX83780.D	05/18/2016 11:34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-230296/1-A

Matrix: Solid | Lab File ID: UX83761.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5.00(g) | Date Analyzed: 05/18/2016 04:52

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.049	U	0.25	0.049
71-55-6	1,1,1-Trichloroethane	0.027	U	0.25	0.027
79-34-5	1,1,2,2-Tetrachloroethane	0.025	U	0.25	0.025
76-13-1	1,1,2-Trichlorotrifluoroethane	0.042	U	0.25	0.042
75-34-3	1,1-Dichloroethane	0.035	U	0.25	0.035
75-35-4	1,1-Dichloroethene	0.030	U	0.25	0.030
563-58-6	1,1-Dichloropropene	0.038	U	0.25	0.038
87-61-6	1,2,3-Trichlorobenzene	0.039	U	0.25	0.039
96-18-4	1,2,3-Trichloropropane	0.10	U	0.25	0.10
526-73-8	1,2,3-Trimethylbenzene	0.013	U	0.25	0.013
120-82-1	1,2,4-Trichlorobenzene	0.030	U	0.25	0.030
95-63-6	1,2,4-Trimethylbenzene	0.013	U	0.25	0.013
96-12-8	1,2-Dibromo-3-Chloropropane	0.071	U	0.50	0.071
95-50-1	1,2-Dichlorobenzene	0.019	U	0.25	0.019
107-06-2	1,2-Dichloroethane	0.010	U	0.25	0.010
78-87-5	1,2-Dichloropropane	0.032	U	0.25	0.032
541-73-1	1,3-Dichlorobenzene	0.030	U	0.25	0.030
142-28-9	1,3-Dichloropropane	0.023	U	0.25	0.023
106-46-7	1,4-Dichlorobenzene	0.041	U	0.25	0.041
594-20-7	2,2-Dichloropropane	0.052	U	0.25	0.052
78-93-3	2-Butanone (MEK)	0.073	U	1.0	0.073
110-75-8	2-Chloroethyl vinyl ether	0.078	U	1.0	0.078
95-49-8	2-Chlorotoluene	0.041	U	0.25	0.041
591-78-6	2-Hexanone	0.084	U	1.0	0.084
106-43-4	4-Chlorotoluene	0.026	U	0.25	0.026
99-87-6	4-Isopropyltoluene	0.025	U	0.25	0.025
108-10-1	4-Methyl-2-pentanone (MIBK)	0.056	U	1.0	0.056
67-64-1	Acetone	0.23	U	1.0	0.23
71-43-2	Benzene	0.0090	U	0.25	0.0090
108-86-1	Bromobenzene	0.013	U	0.25	0.013
75-25-2	Bromoform	0.061	U	0.25	0.061
74-83-9	Bromomethane	0.051	U	0.25	0.051
75-15-0	Carbon disulfide	0.056	U	0.25	0.056
56-23-5	Carbon tetrachloride	0.018	U	0.25	0.018
108-90-7	Chlorobenzene	0.013	U	0.25	0.013
124-48-1	Chlorodibromomethane	0.020	U	0.25	0.020

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-230296/1-A

Matrix: Solid | Lab File ID: UX83761.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5.00(g) | Date Analyzed: 05/18/2016 04:52

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.051	U	0.25	0.051
67-66-3	Chloroform	0.036	U	0.25	0.036
74-87-3	Chloromethane	0.048	U	0.25	0.048
156-59-2	cis-1,2-Dichloroethene	0.038	U	0.25	0.038
10061-01-5	cis-1,3-Dichloropropene	0.022	U	0.25	0.022
74-95-3	Dibromomethane	0.050	U	0.25	0.050
74-97-5	Bromochloromethane	0.070	U	0.25	0.070
75-71-8	Dichlorodifluoromethane	0.061	U	0.25	0.061
75-27-4	Bromodichloromethane	0.038	U	0.25	0.038
75-65-0	tert-Butyl alcohol	0.84	U	10	0.84
100-41-4	Ethylbenzene	0.035	U	0.25	0.035
87-68-3	Hexachlorobutadiene	0.044	U	0.25	0.044
108-20-3	Diisopropyl ether	0.052	U	0.50	0.052
98-82-8	Isopropylbenzene	0.013	U	0.25	0.013
1634-04-4	Methyl tert-butyl ether	0.030	U	0.25	0.030
75-09-2	Methylene Chloride	0.085	U	0.25	0.085
179601-23-1	m-Xylene & p-Xylene	0.020	U	0.25	0.020
91-20-3	Naphthalene	0.026	U	0.25	0.026
104-51-8	n-Butylbenzene	0.021	U	0.25	0.021
103-65-1	N-Propylbenzene	0.061	U	0.25	0.061
95-47-6	o-Xylene	0.017	U	0.25	0.017
135-98-8	sec-Butylbenzene	0.016	U	0.25	0.016
100-42-5	Styrene	0.027	U	0.25	0.027
994-05-8	Tert-amyl methyl ether	0.042	U	0.25	0.042
637-92-3	Ethyl tert-butyl ether	0.016	U	0.25	0.016
127-18-4	Tetrachloroethene	0.027	U	0.25	0.027
108-88-3	Toluene	0.0872	J	0.25	0.010
156-60-5	trans-1,2-Dichloroethene	0.026	U	0.25	0.026
10061-02-6	trans-1,3-Dichloropropene	0.026	U	0.25	0.026
79-01-6	Trichloroethene	0.039	U	0.25	0.039
75-69-4	Trichlorofluoromethane	0.035	U	0.25	0.035
108-05-4	Vinyl acetate	0.10	U	0.50	0.10
75-01-4	Vinyl chloride	0.017	U	0.25	0.017
1330-20-7	Xylenes, Total	0.032	U	0.50	0.032
98-06-6	tert-Butylbenzene	0.034	U	0.25	0.034
106-93-4	1,2-Dibromoethane	0.032	U	0.25	0.032

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-230296/1-A

Matrix: Solid Lab File ID: UX83761.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5.00(g) Date Analyzed: 05/18/2016 04:52

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Medium

Analysis Batch No.: 230734 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	110		33-134
1868-53-7	Dibromofluoromethane (Surr)	102		30-122
460-00-4	4-Bromofluorobenzene (Surr)	107		26-141
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		39-128

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-230296/1-A

Matrix: Solid | Lab File ID: UX83761.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5.00(g) | Date Analyzed: 05/18/2016 04:52

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

Number TICs Found: 1 | TIC Result Total: 0.0921

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	
110-54-3	Hexane	3.72	0.0921	J

Hexane not detected in associated samples as a TIC - no action

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-230296/1-A

Matrix: Solid | Lab File ID: UX83761.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5.00(g) | Date Analyzed: 05/18/2016 04:52

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 230734 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane TIC		0.25	U

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: UX83762.D

Lab ID: LCS 240-230296/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	1.00	0.765	77	27-121	
1,1,1-Trichloroethane	1.00	0.796	80	38-122	
1,1,2,2-Tetrachloroethane	1.00	0.853	85	54-121	
1,1,2-Trichlorotrifluoroethane	1.00	0.855	86	48-151	
1,1-Dichloroethane	1.00	0.859	86	63-120	
1,1-Dichloroethene	1.00	0.787	79	44-143	
1,1-Dichloropropene	1.00	0.863	86	60-123	
1,2,3-Trichlorobenzene	1.00	0.823	82	43-129	
1,2,3-Trichloropropane	1.00	0.919	92	74-124	
1,2,4-Trichlorobenzene	1.00	0.849	85	41-135	
1,2,4-Trimethylbenzene	1.00	0.945	95	62-133	
1,2-Dibromo-3-Chloropropane	1.00	0.694	69	10-129	
1,2-Dichlorobenzene	1.00	0.873	87	68-120	
1,2-Dichloroethane	1.00	0.857	86	68-120	
1,2-Dichloropropane	1.00	0.912	91	73-120	
1,3-Dichlorobenzene	1.00	0.872	87	66-121	
1,3-Dichloropropane	1.00	0.863	86	74-120	
1,4-Dichlorobenzene	1.00	0.874	87	65-120	
2,2-Dichloropropane	1.00	0.609	61	25-123	
2-Butanone (MEK)	2.00	1.49	75	10-199	
2-Chloroethyl vinyl ether	1.00	0.907 J	91	25-140	
2-Chlorotoluene	1.00	0.891	89	68-122	
2-Hexanone	2.00	1.42	71	43-130	
4-Chlorotoluene	1.00	0.894	89	68-122	
4-Isopropyltoluene	1.00	0.905	91	56-136	
4-Methyl-2-pentanone (MIBK)	2.00	1.66	83	49-121	
Acetone	2.00	0.847 J	42	16-156	
Benzene	1.00	0.874	87	70-120	
Bromobenzene	1.00	0.889	89	72-120	
Bromoform	1.00	0.748	75	10-120	
Bromomethane	1.00	0.361	36	10-120	
Carbon disulfide	1.00	0.581	58	10-132	
Carbon tetrachloride	1.00	0.712	71	29-120	
Chlorobenzene	1.00	0.856	86	71-120	
Chlorodibromomethane	1.00	0.730	73	22-120	
Chloroethane	1.00	0.384	38	10-120	
Chloroform	1.00	0.844	84	63-120	
Chloromethane	1.00	0.671	67	25-120	
cis-1,2-Dichloroethene	1.00	0.894	89	60-125	
cis-1,3-Dichloropropene	1.00	0.806	81	25-120	
Dibromomethane	1.00	0.843	84	68-120	
Bromochloromethane	1.00	0.858	86	56-128	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: UX83762.D

Lab ID: LCS 240-230296/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	1.00	0.592	59	10-120	
Bromodichloromethane	1.00	0.794	79	28-123	
tert-Butyl alcohol	10.0	6.59 J	66	70-130	*
Ethylbenzene	1.00	0.882	88	66-120	
Hexachlorobutadiene	1.00	0.894	89	34-135	
Isopropylbenzene	1.00	0.911	91	61-123	
Methyl tert-butyl ether	1.00	0.837	84	34-157	
Methylene Chloride	1.00	0.891	89	27-172	
m-Xylene & p-Xylene	1.00	0.908	91	67-120	
Naphthalene	1.00	0.795	79	37-126	
n-Butylbenzene	1.00	0.925	92	51-137	
N-Propylbenzene	1.00	0.906	91	64-130	
o-Xylene	1.00	0.888	89	68-120	
sec-Butylbenzene	1.00	0.925	93	58-131	
Styrene	1.00	0.919	92	60-120	
Tetrachloroethene	1.00	0.841	84	58-131	
Toluene	1.00	1.32	132	66-123	*
trans-1,2-Dichloroethene	1.00	0.901	90	58-121	
trans-1,3-Dichloropropene	1.00	0.682	68	22-122	
Trichloroethene	1.00	0.875	88	59-124	
Trichlorofluoromethane	1.00	0.631	63	17-145	
Vinyl acetate	1.00	0.807	81	70-130	
Vinyl chloride	1.00	0.712	71	33-120	
Xylenes, Total	2.00	1.80	90	68-120	
tert-Butylbenzene	1.00	0.982	98	58-128	
1,2-Dibromoethane	1.00	0.816	82	47-123	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab File ID: BFB8051.D BFB Injection Date: 04/14/2016

Instrument ID: A3UX8 BFB Injection Time: 00:41

Analysis Batch No.: 225886

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	24.3	
75	30.0 - 60.0 % of mass 95	49.3	
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	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	90.3	
175	5.0 - 9.0 % of mass 174	6.8	(7.5) 1
176	95.0 - 101.0 % of mass 174	87.5	(96.8) 1
177	5.0 - 9.0 % of mass 176	5.9	(6.8) 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
	STDA9 240-225886/4	UX83246.D	04/14/2016	01:39
	STDA9 240-225886/5	UX83247.D	04/14/2016	02:01
	STDA9 240-225886/6	UX83248.D	04/14/2016	02:23
	STDA9 240-225886/7	UX83249.D	04/14/2016	02:45
	STDA9 240-225886/8	UX83250.D	04/14/2016	03:06
	STDA9 240-225886/9	UX83251.D	04/14/2016	03:28

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-64634-1 Analy Batch No.: 225886

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/14/2016 01:39 Calibration End Date: 04/14/2016 03:28 Calibration ID: 33952

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-225886/9	UX83251.D
Level 2	STDA9 240-225886/8	UX83250.D
Level 3	STDA9 240-225886/7	UX83249.D
Level 4	STDA9 240-225886/6	UX83248.D
Level 5	STDA9 240-225886/5	UX83247.D
Level 6	STDA9 240-225886/4	UX83246.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	0.0506 0.0417	0.0463	0.0433	0.0508	0.0464	Ave		0.0465				8.0		15.0			
Diisopropyl ether	0.1891 0.1731	0.1867	0.1647	0.2072	0.2001	Ave		0.1868				8.5		15.0			
2-Chloro-1,3-butadiene	0.3697 0.3701	0.3617	0.3105	0.4318	0.4231	Ave		0.3778				11.8		15.0			
Ethyl tert-butyl ether	0.6435 0.5708	0.6259	0.5363	0.6843	0.6558	Ave		0.6195				9.0		15.0			
Ethyl acetate	0.3776 0.3290	0.3612	0.3074	0.3874	0.3564	Ave		0.3532				8.5		15.0			
Propionitrile	0.0547 0.0438	0.0529	0.0451	0.0555	0.0497	Ave		0.0503				9.9		15.0			
Methacrylonitrile	0.2588 0.1954	0.2505	0.2117	0.2524	0.2270	Ave		0.2326				11.0		15.0			
Tert-amyl methyl ether	0.4645 0.4335	0.4492	0.3984	0.5115	0.4773	Ave		0.4557				8.5		15.0			
n-Butanol	0.0094 0.0075	0.0073	0.0071	0.0086	0.0082	Ave		0.0080				10.8		15.0			
Ethyl acrylate	0.3637 0.3830	0.3696	0.3372	0.4243	0.3959	Ave		0.3790				7.8		15.0			
Methyl methacrylate	0.3271 0.3027	0.3179	0.2773	0.3528	0.3270	Ave		0.3175				8.0		15.0			
2-Nitropropane	0.0480 0.0888	0.0529	0.0480	0.0763	0.0803	Lin1	-0.646	0.0864							0.9920		0.9900
n-Butyl acetate	0.5252 0.4899	0.4700	0.4215	0.5369	0.5040	Ave		0.4912				8.5		15.0			
1-Chlorohexane	0.3329 0.3095	0.3147	0.2755	0.3654	0.3564	Ave		0.3257				10.2		15.0			
Cyclohexanone	0.0163 0.0115	0.0143	0.0125	0.0139	0.0130	Ave		0.0136				12.4		15.0			

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.: 240-64634-1 Analy Batch No.: 225886

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/14/2016 01:39 Calibration End Date: 04/14/2016 03:28 Calibration ID: 33952

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								
1,2,3-Trimethylbenzene	2.4703 1.8539	2.1647	2.0131	2.3931	2.2997	Ave		2.1991				10.7		15.0			
Benzyl chloride	0.1016 0.1735	0.0763	0.0742	0.1159	0.1467	Qua	-0.547	0.1200	0.0002830						0.9990		0.9900
1,3,5-Trichlorobenzene	0.8856 0.7760	0.7784	0.6790	0.8212	0.8330	Ave		0.7955				8.8		15.0			
2-Methylnaphthalene	1.2748 1.4506	1.0281	1.2641	1.5041	1.4691	Ave		1.3318				13.5		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab File ID: BFB8070.D BFB Injection Date: 05/12/2016

Instrument ID: A3UX8 BFB Injection Time: 22:48

Analysis Batch No.: 230141

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.7	
75	30.0 - 60.0 % of mass 95	46.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	78.7	
175	5.0 - 9.0 % of mass 174	5.7	(7.2) 1
176	95.0 - 101.0 % of mass 174	75.7	(96.2) 1
177	5.0 - 9.0 % of mass 176	4.9	(6.5) 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 240-230141/3	UX83652.D	05/12/2016	23:30
	STD8260 240-230141/4	UX83653.D	05/12/2016	23:51
	STD8260 240-230141/5	UX83654.D	05/13/2016	00:12
	ICIS 240-230141/6	UX83655.D	05/13/2016	00:33
	STD8260 240-230141/7	UX83656.D	05/13/2016	00:55
	STD8260 240-230141/8	UX83657.D	05/13/2016	01:16
	STD8260 240-230141/9	UX83658.D	05/13/2016	01:37
	STD8260 240-230141/10	UX83659.D	05/13/2016	01:58
	ICV 240-230141/12	UX83661.D	05/13/2016	02:41

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-64634-1 Analy Batch No.: 230141

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 05/12/2016 23:30 Calibration End Date: 05/13/2016 01:58 Calibration ID: 34380

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-230141/10	UX83659.D
Level 2	STD8260 240-230141/9	UX83658.D
Level 3	STD8260 240-230141/8	UX83657.D
Level 4	STD8260 240-230141/7	UX83656.D
Level 5	ICIS 240-230141/6	UX83655.D
Level 6	STD8260 240-230141/5	UX83654.D
Level 7	STD8260 240-230141/4	UX83653.D
Level 8	STD8260 240-230141/3	UX83652.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 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.1542 0.2248	0.2145 0.2231	0.1695 0.2075	0.2052	0.2217	Ave		0.2026				13.1		15.0			
Chloromethane	0.2727 0.2707	0.2640 0.2759	0.2527 0.2459	0.2573	0.2840	Ave		0.2654			0.1000	4.8		15.0			
Vinyl chloride	0.1716 0.1970	0.1881 0.1951	0.1724 0.1826	0.1815	0.1988	Ave		0.1859				5.7		15.0			
Butadiene	0.1814 0.2201	0.1995 0.2171	0.1966 0.2027	0.1967	0.2290	Ave		0.2054				7.6		15.0			
Bromomethane	0.0943 0.0706	0.1087 0.0514	0.0980 0.0426	0.0872	0.0919	Qua	0.2309	0.0648	-0.000119						0.9920		0.9900
Chloroethane	0.1053 0.0943	0.1012 0.0786	0.1004 0.0598	0.1011	0.1120	Qua	0.0730	0.1001	-0.000204						0.9990		0.9900
Dichlorofluoromethane	0.2030 0.2262	0.2415 0.2160	0.2231 0.1845	0.2278	0.2423	Ave		0.2206				8.8		15.0			
Trichlorofluoromethane	0.1801 0.2223	0.2185 0.2184	0.1971 0.1979	0.2086	0.2262	Ave		0.2086				7.6		15.0			
Ethyl ether	0.1772 0.1672	0.1807 0.1697	0.1683 0.1319	0.1837	0.1742	Ave		0.1691				9.6		15.0			
Acrolein	0.0390 0.0344	0.0386 0.0355	0.0368 0.0252	0.0354	0.0363	Ave		0.0351				12.3		15.0			
1,1-Dichloroethene	0.1177 0.1784	0.1335 0.1820	0.1470 0.1584	0.1668	0.1438	Ave		0.1535				14.5		15.0			
1,1,2-Trichlorotrifluoroethane	0.0973 0.1446	0.1123 0.1460	0.1228 0.1288	0.1323	0.1189	Ave		0.1254				13.0		15.0			
Acetone	0.4182 0.1541	0.2637 0.1681	0.1883 0.1172	0.1726	0.1528	Qua	-0.407	0.2009	-0.000204						0.9940		0.9900
Iodomethane	0.2575 0.3122	0.2982 0.3228	0.2845 0.2756	0.2902	0.3141	Ave		0.2944				7.4		15.0			

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.: 240-64634-1 Analy Batch No.: 230141

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 05/12/2016 23:30 Calibration End Date: 05/13/2016 01:58 Calibration ID: 34380

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 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	+++++ 0.4389	0.3232 0.4717	0.3319 0.4218	0.3678	0.3971	Ave		0.3932				14.1		15.0			
3-Chloro-1-propene	+++++ 0.0982	+++++ 0.1081	0.0733 0.0885	0.0883	0.0954	Ave		0.0920				12.7		15.0			
Methyl acetate	0.2557 0.2395	0.2515 0.2744	0.2231 0.2012	0.2400	0.2286	Ave		0.2393				9.3		15.0			
Methylene Chloride	0.9001 0.2281	0.5285 0.2303	0.3275 0.1889	0.2805	0.2566	Lin1	0.7056	0.2013							0.9920		0.9900
tert-Butyl alcohol	0.0166 0.0206	0.0199 0.0243	0.0158 +++++	0.0195	0.0182	Ave		0.0193				14.6		15.0			
Acrylonitrile	0.1136 0.1089	0.1143 0.1218	0.0987 0.0891	0.1069	0.1043	Ave		0.1072				9.4		15.0			
trans-1,2-Dichloroethene	0.1609 0.2108	0.1871 0.2163	0.1841 0.1843	0.2003	0.2077	Ave		0.1939				9.4		15.0			
Methyl tert-butyl ether	0.4993 0.5230	0.4790 0.5863	0.4628 0.4568	0.4968	0.5308	Ave		0.5044				8.4		15.0			
Hexane	0.0661 0.0546	0.0666 0.0587	0.0511 0.0494	0.0545	0.0540	Ave		0.0569				11.4		15.0			
1,1-Dichloroethane	0.3245 0.3670	0.3539 0.3893	0.3378 0.3330	0.3556	0.3669	Ave		0.3535			0.1000	6.0		15.0			
Vinyl acetate	0.3770 0.4514	0.3642 0.5785	0.3433 +++++	0.4162	0.4224	Qua	0.2128	0.3356	0.0023992						1.0000		0.9900
2-Butanone (MEK)	0.1988 0.1896	0.1824 0.2190	0.1643 0.1537	0.1887	0.1728	Ave		0.1837				11.1		15.0			
cis-1,2-Dichloroethene	0.2407 0.2360	0.2063 0.2478	0.2201 0.2076	0.2288	0.2415	Ave		0.2286				6.9		15.0			
2,2-Dichloropropane	+++++ 0.1154	0.0850 0.1234	0.0845 0.1020	0.0996	0.1111	Ave		0.1030				14.3		15.0			
Bromochloromethane	0.1003 0.1227	0.1178 0.1317	0.1087 0.1065	0.1200	0.1262	Ave		0.1167				9.2		15.0			
Tetrahydrofuran	0.1102 0.1029	0.1004 0.1188	0.0931 0.0846	0.1007	0.0965	Ave		0.1009				10.3		15.0			
Chloroform	0.4129 0.3608	0.3942 0.3811	0.3395 0.3180	0.3502	0.3634	Ave		0.3650				8.4		15.0			
1,1,1-Trichloroethane	+++++ 0.2518	0.1777 0.2704	0.1922 0.2345	0.2190	0.2384	Ave		0.2263				14.4		15.0			
Cyclohexane	0.2702 0.3844	0.3022 0.3944	0.3188 0.3430	0.3457	0.3695	Ave		0.3410				12.4		15.0			
1,1-Dichloropropene	0.1862 0.2637	0.2088 0.2800	0.2234 0.2424	0.2524	0.2655	Ave		0.2403				13.3		15.0			

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.: 240-64634-1 Analy Batch No.: 230141

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 05/12/2016 23:30 Calibration End Date: 05/13/2016 01:58 Calibration ID: 34380

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 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon tetrachloride	+++++ 0.2296	+++++ 0.2481	0.1644 0.2241	0.1889	0.2089	Ave		0.2107				14.3		15.0			
Isobutyl alcohol	+++++ 0.0107	0.0103 0.0129	0.0086 0.0085	0.0104	0.0100	Ave		0.0102				14.3		15.0			
1,2-Dichloroethane	0.3182 0.3095	0.3073 0.3421	0.2971 0.2775	0.3254	0.3204	Ave		0.3122				6.2		15.0			
Benzene	0.7670 0.7957	0.7952 0.8477	0.7578 0.7172	0.8006	0.8045	Ave		0.7857				4.9		15.0			
n-Heptane	+++++ 0.0648	+++++ 0.0703	0.0488 0.0573	0.0597	0.0616	Ave		0.0604				12.0		15.0			
Trichloroethene	0.1958 0.2335	0.2085 0.2467	0.2101 0.2181	0.2209	0.2338	Ave		0.2209				7.5		15.0			
Methylcyclohexane	0.2605 0.3532	0.2661 0.3667	0.2872 0.3181	0.3239	0.3442	Ave		0.3150				12.7		15.0			
1,2-Dichloropropane	0.2037 0.1991	0.1783 0.2247	0.1879 0.1846	0.2056	0.2042	Ave		0.1985				7.4		15.0			
1,4-Dioxane	0.0031 0.0027	0.0021 0.0031	0.0026 0.0022	0.0028	0.0026	Ave		0.0026				13.9		15.0			
Dibromomethane	0.0963 0.1244	0.1277 0.1374	0.1072 0.1093	0.1217	0.1232	Ave		0.1184				11.1		15.0			
Bromodichloromethane	0.1823 0.2399	0.1719 0.2789	0.1741 +++++	0.2054	0.2238	Qua	-0.065	0.2055	0.0007400						1.0000		0.9900
2-Chloroethyl vinyl ether	0.0276 0.0527	0.0369 0.0661	0.0354 0.0514	0.0441	0.0440	Qua	-0.517	0.0741	-0.000052						0.9930		0.9900
cis-1,3-Dichloropropene	0.1505 0.2598	0.1512 0.3203	0.1785 +++++	0.2220	0.2396	Qua	-0.050	0.2073	0.0011316						1.0000		0.9900
4-Methyl-2-pentanone (MIBK)	0.2323 0.3046	0.2555 0.3535	0.2383 0.2534	0.2875	0.2733	Ave		0.2748				14.6		15.0			
Toluene	1.1211 1.2012	1.1040 1.2903	1.0755 1.0880	1.1880	1.2125	Ave		1.1601				6.5		15.0			
trans-1,3-Dichloropropene	0.1445 0.3015	0.1553 0.3809	0.1685 +++++	0.2292	0.2491	Qua	-0.172	0.2268	0.0015591						1.0000		0.9900
Ethyl methacrylate	0.2096 0.3532	0.2225 0.4297	0.2589 +++++	0.3103	0.3136	Qua	-0.053	0.2823	0.0014777						1.0000		0.9900
1,1,2-Trichloroethane	0.2413 0.2568	0.2415 0.2921	0.2420 0.2293	0.2490	0.2575	Ave		0.2512				7.5		15.0			
1,3-Dichloropropane	0.4348 0.4313	0.4050 0.4906	0.3907 0.3811	0.4169	0.4311	Ave		0.4227				8.0		15.0			
Tetrachloroethene	0.2287 0.2556	0.2263 0.2686	0.2081 0.2309	0.2365	0.2516	Ave		0.2383				8.1		15.0			

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.: 240-64634-1 Analy Batch No.: 230141

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 05/12/2016 23:30 Calibration End Date: 05/13/2016 01:58 Calibration ID: 34380

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 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	+++++ 0.3307	0.2624 0.3784	0.2558 0.2652	0.3090	0.2880	Ave		0.2985				14.9		15.0			
Chlorodibromomethane	0.1762 0.2689	0.1632 0.3186	0.1707 +++++	0.2145	0.2382	Qua	-0.149	0.2237	0.0009645						1.0000		0.9900
1,2-Dibromoethane	+++++ 0.2702	0.2161 0.3087	0.2158 0.2386	0.2478	0.2612	Ave		0.2512				13.0		15.0			
Chlorobenzene	0.7940 0.8365	0.8405 0.9014	0.8193 0.7454	0.8309	0.8433	Ave		0.8264			0.3000	5.4		15.0			
1,1,1,2-Tetrachloroethane	+++++ 0.2876	0.2079 0.3091	0.2115 0.2692	0.2493	0.2647	Ave		0.2570				14.6		15.0			
Ethylbenzene	0.3681 0.4412	0.3827 0.4694	0.3962 0.3902	0.4267	0.4421	Ave		0.4146				8.5		15.0			
m-Xylene & p-Xylene	0.4739 0.5380	0.4747 0.5749	0.4575 0.4783	0.5221	0.5298	Ave		0.5061				8.1		15.0			
o-Xylene	0.4331 0.5409	0.5022 0.5592	0.4596 0.4626	0.5169	0.5407	Ave		0.5019				9.1		15.0			
Styrene	0.6932 0.9065	0.7189 0.9758	0.7154 0.8001	0.8327	0.8752	Ave		0.8147				12.5		15.0			
Bromoform	0.0781 0.1477	0.0850 0.1846	0.0950 +++++	0.1130	0.1201	Qua	-0.069	0.1115	0.0007388		0.1000				1.0000		0.9900
Isopropylbenzene	0.9928 1.3888	1.1166 1.4333	1.1626 1.2259	1.2635	1.3482	Ave		1.2415				12.0		15.0			
1,1,2,2-Tetrachloroethane	0.6162 0.6447	0.5764 0.7212	0.5243 0.5252	0.6310	0.5984	Ave		0.6047			0.3000	10.8		15.0			
Bromobenzene	0.6615 0.6893	0.6550 0.7573	0.6143 0.6192	0.6934	0.6895	Ave		0.6724				6.9		15.0			
1,2,3-Trichloropropane	0.2011 0.2327	0.2032 0.2620	0.2047 0.1926	0.2490	0.2231	Ave		0.2211				11.3		15.0			
trans-1,4-Dichloro-2-butene	0.1560 0.2066	0.1657 0.2554	0.1598 +++++	0.1879	0.1802	Qua	0.0387	0.1587	0.0009617						1.0000		0.9900
N-Propylbenzene	0.5688 0.7750	0.6171 0.8391	0.6181 0.7039	0.7416	0.7637	Ave		0.7034				13.3		15.0			
2-Chlorotoluene	0.5517 0.6598	0.5858 0.7082	0.5713 0.5938	0.6545	0.6436	Ave		0.6211				8.6		15.0			
1,3,5-Trimethylbenzene	1.5177 2.2607	1.7362 2.3584	1.8083 2.0053	2.0978	2.1583	Ave		1.9929				14.3		15.0			
4-Chlorotoluene	0.5392 0.7016	0.6268 0.7439	0.6232 0.6239	0.7084	0.6927	Ave		0.6575				10.0		15.0			
tert-Butylbenzene	1.6296 2.1236	1.7399 2.4473	1.8105 1.9162	1.9668	2.0665	Ave		1.9625				13.0		15.0			

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.: 240-64634-1 Analy Batch No.: 230141

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 05/12/2016 23:30 Calibration End Date: 05/13/2016 01:58 Calibration ID: 34380

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 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	1.5503 2.2999	1.8262 2.4345	1.8401 2.0527	2.1601	2.2500	Ave		2.0517				14.3		15.0			
sec-Butylbenzene	1.8857 2.8343	2.2286 2.9594	2.3518 2.5534	2.6246	2.7183	Ave		2.5195				13.9		15.0			
1,3-Dichlorobenzene	1.2026 1.3332	1.3746 1.4202	1.2507 1.1896	1.3179	1.3219	Ave		1.3013				6.2		15.0			
4-Isopropyltoluene	+++++ 2.5548	1.9422 2.7049	2.0597 2.3541	2.3820	2.4613	Ave		2.3513				11.4		15.0			
1,4-Dichlorobenzene	1.5810 1.3623	1.3753 1.4639	1.3563 1.2116	1.3832	1.3796	Ave		1.3891				7.5		15.0			
n-Butylbenzene	1.4108 2.0473	1.5932 2.1796	1.6282 1.8660	1.8864	1.9646	Ave		1.8220				14.1		15.0			
1,2-Dichlorobenzene	1.2661 1.3013	1.2714 1.3713	1.2163 1.1484	1.2998	1.3038	Ave		1.2723				5.2		15.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1127	0.0611 0.1445	0.0613 +++++	0.0887	0.0898	Qua	-0.065	0.0824	0.0006271						1.0000		0.9900
1,2,4-Trichlorobenzene	0.7723 0.8265	0.8058 0.9103	0.6969 0.7839	0.7800	0.8088	Ave		0.7981				7.5		15.0			
Hexachlorobutadiene	0.2783 0.4020	0.3550 0.4340	0.3528 0.3856	0.3924	0.3941	Ave		0.3743				12.5		15.0			
Naphthalene	2.0605 2.3481	2.0295 2.6457	1.7698 2.0663	2.1784	2.1838	Ave		2.1603				11.9		15.0			
1,2,3-Trichlorobenzene	0.7582 0.7975	0.7800 0.8937	0.7288 0.7490	0.7893	0.8043	Ave		0.7876				6.4		15.0			
Dibromofluoromethane (Surr)	+++++ 0.2134	0.2340 0.2220	0.1916 0.1879	0.2106	0.2194	Ave		0.2113				7.8		15.0			
1,2-Dichloroethane-d4 (Surr)	+++++ 0.2617	0.3498 0.2738	0.2749 0.2279	0.2762	0.2639	Ave		0.2754				13.4		15.0			
Toluene-d8 (Surr)	+++++ 1.1099	1.1525 1.1511	1.0017 0.9848	1.0754	1.1221	Ave		1.0854				6.3		15.0			
4-Bromofluorobenzene (Surr)	+++++ 0.4406	0.5710 0.4486	0.4397 0.3763	0.4542	0.4454	Ave		0.4537				12.8		15.0			

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.: 240-64634-1

SDG No.:

Lab Sample ID: ICV 240-230141/12 Calibration Date: 05/13/2016 02:41

Instrument ID: A3UX8 Calib Start Date: 05/12/2016 23:30

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 05/13/2016 01:58

Lab File ID: UX83661.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2026	0.1863		0.0230	0.0250	-8.0	50.0
Chloromethane	Ave	0.2654	0.2408	0.1000	0.0227	0.0250	-9.3	50.0
Vinyl chloride	Ave	0.1859	0.1778		0.0239	0.0250	-4.4	20.0
Butadiene	Ave	0.2054	0.1903		0.0232	0.0250	-7.4	50.0
Bromomethane	Qua		0.0736		0.0261	0.0250	4.2	50.0
Chloroethane	Qua		0.0902		0.0229	0.0250	-8.6	50.0
Dichlorofluoromethane	Ave	0.2206	0.2118		0.0240	0.0250	-4.0	50.0
Trichlorofluoromethane	Ave	0.2086	0.2061		0.0247	0.0250	-1.2	50.0
Ethyl ether	Ave	0.1691	0.1608		0.0238	0.0250	-4.9	50.0
Acrolein	Ave	0.0351	0.0206		0.0733	0.125	-41.4	50.0
1,1-Dichloroethene	Ave	0.1535	0.1542		0.0251	0.0250	0.5	20.0
1,1,2-Trichlorotrifluoroethane	Ave	0.1254	0.1310		0.0261	0.0250	4.5	50.0
Acetone	Qua		0.0928		0.0258	0.0500	-48.4	50.0
Iodomethane	Ave	0.2944	0.3123		0.0265	0.0250	6.1	50.0
Carbon disulfide	Ave	0.3932	0.4464		0.0284	0.0250	13.5	50.0
3-Chloro-1-propene	Ave	0.0920	0.0870		0.0237	0.0250	-5.4	50.0
Methyl acetate	Ave	0.2393	0.2061		0.108	0.125	-13.8	50.0
Methylene Chloride	Lin1		0.2235		0.0243	0.0250	-3.0	50.0
tert-Butyl alcohol	Ave	0.0193	0.0184		0.239	0.250	-4.5	50.0
Acrylonitrile	Ave	0.1072	0.0968		0.226	0.250	-9.7	50.0
Methyl tert-butyl ether	Ave	0.5044	0.4677		0.0232	0.0250	-7.3	50.0
trans-1,2-Dichloroethene	Ave	0.1939	0.2024		0.0261	0.0250	4.4	50.0
Hexane	Ave	0.0569	0.0560		0.0246	0.0250	-1.5	20.0
1,1-Dichloroethane	Ave	0.3535	0.3347	0.1000	0.0237	0.0250	-5.3	50.0
Vinyl acetate	Qua		0.4642		0.0282	0.0250	13.0	50.0
2-Butanone (MEK)	Ave	0.1837	0.1469		0.0400	0.0500	-20.0	50.0
cis-1,2-Dichloroethene	Ave	0.2286	0.2176		0.0238	0.0250	-4.8	50.0
2,2-Dichloropropane	Ave	0.1030	0.0931		0.0226	0.0250	-9.6	50.0
Bromochloromethane	Ave	0.1167	0.1096		0.0235	0.0250	-6.1	50.0
Tetrahydrofuran	Ave	0.1009	0.0878		0.0435	0.0500	-13.0	50.0
Chloroform	Ave	0.3650	0.3442		0.0236	0.0250	-5.7	20.0
1,1,1-Trichloroethane	Ave	0.2263	0.2220		0.0245	0.0250	-1.9	50.0
Cyclohexane	Ave	0.3410	0.3666		0.0269	0.0250	7.5	50.0
1,1-Dichloropropene	Ave	0.2403	0.2482		0.0258	0.0250	3.3	50.0
Carbon tetrachloride	Ave	0.2107	0.2096		0.0249	0.0250	-0.5	50.0
Isobutyl alcohol	Ave	0.0102	0.0101		0.617	0.625	-1.3	50.0
1,2-Dichloroethane	Ave	0.3122	0.2916		0.0234	0.0250	-6.6	50.0
Benzene	Ave	0.7857	0.7563		0.0241	0.0250	-3.8	50.0
n-Heptane	Ave	0.0604	0.0656		0.0271	0.0250	8.5	50.0
Trichloroethene	Ave	0.2209	0.2229		0.0252	0.0250	0.9	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab Sample ID: ICV 240-230141/12 Calibration Date: 05/13/2016 02:41

Instrument ID: A3UX8 Calib Start Date: 05/12/2016 23:30

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 05/13/2016 01:58

Lab File ID: UX83661.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.3150	0.3397		0.0270	0.0250	7.8	50.0
1,2-Dichloropropane	Ave	0.1985	0.2027		0.0255	0.0250	2.1	20.0
1,4-Dioxane	Ave	0.0026	0.0025		0.481	0.500	-3.8	50.0
Dibromomethane	Ave	0.1184	0.1174		0.0248	0.0250	-0.9	50.0
Bromodichloromethane	Qua		0.2202		0.0249	0.0250	-0.5	50.0
2-Chloroethyl vinyl ether	Qua		0.0438		0.0221	0.0250	-11.6	50.0
cis-1,3-Dichloropropene	Qua		0.2384		0.0255	0.0250	1.8	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2748	0.2818		0.0513	0.0500	2.5	50.0
Toluene	Ave	1.160	1.145		0.0247	0.0250	-1.3	20.0
trans-1,3-Dichloropropene	Qua		0.2463		0.0240	0.0250	-4.1	50.0
Ethyl methacrylate	Qua		0.3511		0.0274	0.0250	9.5	50.0
1,1,2-Trichloroethane	Ave	0.2512	0.2509		0.0250	0.0250	-0.1	50.0
1,3-Dichloropropane	Ave	0.4227	0.4224		0.0250	0.0250	-0.0	50.0
Tetrachloroethene	Ave	0.2383	0.2394		0.0251	0.0250	0.5	50.0
2-Hexanone	Ave	0.2985	0.2734		0.0458	0.0500	-8.4	50.0
Chlorodibromomethane	Qua		0.2430		0.0251	0.0250	0.4	50.0
1,2-Dibromoethane	Ave	0.2512	0.2602		0.0259	0.0250	3.6	50.0
Chlorobenzene	Ave	0.8264	0.8111	0.3000	0.0245	0.0250	-1.9	50.0
1,1,1,2-Tetrachloroethane	Ave	0.2570	0.2537		0.0247	0.0250	-1.3	50.0
Ethylbenzene	Ave	0.4146	0.4179		0.0252	0.0250	0.8	20.0
m-Xylene & p-Xylene	Ave	0.5061	0.5151		0.0254	0.0250	1.8	50.0
o-Xylene	Ave	0.5019	0.5011		0.0250	0.0250	-0.2	50.0
Styrene	Ave	0.8147	0.8721		0.0268	0.0250	7.0	50.0
Bromoform	Qua		0.1342	0.1000	0.0262	0.0250	4.7	50.0
Isopropylbenzene	Ave	1.241	1.312		0.0264	0.0250	5.6	50.0
1,1,2,2-Tetrachloroethane	Ave	0.6047	0.6437	0.3000	0.0266	0.0250	6.4	50.0
Bromobenzene	Ave	0.6724	0.7094		0.0264	0.0250	5.5	50.0
1,2,3-Trichloropropane	Ave	0.2211	0.2419		0.0274	0.0250	9.4	50.0
trans-1,4-Dichloro-2-butene	Qua		0.2079		0.0278	0.0250	11.3	50.0
N-Propylbenzene	Ave	0.7034	0.7659		0.0272	0.0250	8.9	50.0
2-Chlorotoluene	Ave	0.6211	0.6656		0.0268	0.0250	7.2	50.0
1,3,5-Trimethylbenzene	Ave	1.993	2.193		0.0275	0.0250	10.0	50.0
4-Chlorotoluene	Ave	0.6575	0.7175		0.0273	0.0250	9.1	50.0
tert-Butylbenzene	Ave	1.963	2.090		0.0266	0.0250	6.5	50.0
1,2,4-Trimethylbenzene	Ave	2.052	2.238		0.0273	0.0250	9.1	50.0
sec-Butylbenzene	Ave	2.520	2.756		0.0273	0.0250	9.4	50.0
1,3-Dichlorobenzene	Ave	1.301	1.332		0.0256	0.0250	2.3	50.0
4-Isopropyltoluene	Ave	2.351	2.494		0.0265	0.0250	6.1	50.0
1,4-Dichlorobenzene	Ave	1.389	1.366		0.0246	0.0250	-1.7	50.0
n-Butylbenzene	Ave	1.822	1.928		0.0265	0.0250	5.8	50.0
1,2-Dichlorobenzene	Ave	1.272	1.280		0.0252	0.0250	0.6	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab Sample ID: ICV 240-230141/12 Calibration Date: 05/13/2016 02:41

Instrument ID: A3UX8 Calib Start Date: 05/12/2016 23:30

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 05/13/2016 01:58

Lab File ID: UX83661.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Qua		0.0924		0.0243	0.0250	-2.8	50.0
1,2,4-Trichlorobenzene	Ave	0.7981	0.7654		0.0240	0.0250	-4.1	50.0
Hexachlorobutadiene	Ave	0.3743	0.3696		0.0247	0.0250	-1.2	50.0
Naphthalene	Ave	2.160	2.016		0.0233	0.0250	-6.7	50.0
1,2,3-Trichlorobenzene	Ave	0.7876	0.7412		0.0235	0.0250	-5.9	50.0
Dibromofluoromethane (Surr)	Ave	0.2113	0.1889		0.0447	0.0500	-10.6	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2754	0.2376		0.0431	0.0500	-13.7	50.0
Toluene-d8 (Surr)	Ave	1.085	0.996		0.0459	0.0500	-8.2	50.0
4-Bromofluorobenzene (Surr)	Ave	0.4537	0.3784		0.0417	0.0500	-16.6	50.0

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab File ID: BFB8071.D BFB Injection Date: 05/14/2016

Instrument ID: A3UX8 BFB Injection Time: 01:22

Analysis Batch No.: 230314

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	23.1	
75	30.0 - 60.0 % of mass 95	44.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	75.5	
175	5.0 - 9.0 % of mass 174	5.5	(7.3) 1
176	95.0 - 101.0 % of mass 174	73.6	(97.6) 1
177	5.0 - 9.0 % of mass 176	5.0	(6.8) 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 240-230314/4	UX83686.D	05/14/2016	01:53
	CCV 240-230314/5	UX83687.D	05/14/2016	02:14
	MB 240-230139/1-A	UX83697.D	05/14/2016	05:46
	LCS 240-230139/2-A	UX83698.D	05/14/2016	06:07
DR-TG4S-050916	240-64634-1	UX83700.D	05/14/2016	06:50
DR-TG4N-050916	240-64634-2	UX83701.D	05/14/2016	07:11
DR-TG5N-050916	240-64634-3	UX83702.D	05/14/2016	07:32
DR-TG5S-050916	240-64634-4	UX83703.D	05/14/2016	07:53
DR-TG6N-050916	240-64634-5	UX83704.D	05/14/2016	08:15
DR-TG6S-050916	240-64634-6	UX83705.D	05/14/2016	08:36
DR-TL1N-050916	240-64634-7	UX83706.D	05/14/2016	08:57
DR-TL1S-050916	240-64634-8	UX83707.D	05/14/2016	09:18
DR-TLDUP1-050916	240-64634-9	UX83708.D	05/14/2016	09:39
DR-TL4N-050916	240-64634-10	UX83709.D	05/14/2016	10:01
DR-TL4S-050916	240-64634-11	UX83710.D	05/14/2016	10:22
DR-TLDUP2-050916	240-64634-12	UX83711.D	05/14/2016	10:43
DR-TL10S-050916	240-64634-13	UX83712.D	05/14/2016	11:04
DR-TL10N-050916	240-64634-14	UX83713.D	05/14/2016	11:25
DR-TL9N-050916	240-64634-15	UX83714.D	05/14/2016	11:47
DR-TL9S-050916	240-64634-16	UX83715.D	05/14/2016	12:08
DR-TL12N-050916	240-64634-17	UX83716.D	05/14/2016	12:29
DR-TL12S-050916	240-64634-18	UX83717.D	05/14/2016	12:50
DR-TL6N-050916	240-64634-19	UX83718.D	05/14/2016	13:12

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab Sample ID: CCVIS 240-230314/4 Calibration Date: 05/14/2016 01:53

Instrument ID: A3UX8 Calib Start Date: 05/12/2016 23:30

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 05/13/2016 01:58

Lab File ID: UX83686.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2026	0.1979		0.0195	0.0200	-2.3	50.0
Chloromethane	Ave	0.2654	0.2584	0.1000	0.0195	0.0200	-2.6	50.0
Vinyl chloride	Ave	0.1859	0.1899		0.0204	0.0200	2.1	20.0
Butadiene	Ave	0.2054	0.2122		0.0207	0.0200	3.3	50.0
Bromomethane	Qua		0.0815		0.0225	0.0200	12.5	50.0
Chloroethane	Qua		0.0994		0.0199	0.0200	-0.3	50.0
Dichlorofluoromethane	Ave	0.2206	0.2349		0.0213	0.0200	6.5	50.0
Trichlorofluoromethane	Ave	0.2086	0.2238		0.0215	0.0200	7.3	50.0
Ethyl ether	Ave	0.1691	0.1643		0.0194	0.0200	-2.9	50.0
Acrolein	Ave	0.0351	0.0315		0.0897	0.100	-10.3	50.0
1,1-Dichloroethene	Ave	0.1535	0.1442		0.0188	0.0200	-6.1	20.0
1,1,2-Trichlorotrifluoroethane	Ave	0.1254	0.1243		0.0198	0.0200	-0.8	50.0
Acetone	Qua		0.1378		0.0304	0.0400	-23.9	50.0
Iodomethane	Ave	0.2944	0.2979		0.0202	0.0200	1.2	50.0
Carbon disulfide	Ave	0.3932	0.4054		0.0206	0.0200	3.1	50.0
3-Chloro-1-propene	Ave	0.0920	0.0852		0.0185	0.0200	-7.3	50.0
Methyl acetate	Ave	0.2393	0.2053		0.0858	0.100	-14.2	50.0
Methylene Chloride	Lin1		0.2277		0.0191	0.0200	-4.4	50.0
tert-Butyl alcohol	Ave	0.0193	0.0130		0.135	0.200	-32.6	50.0
Acrylonitrile	Ave	0.1072	0.0966		0.180	0.200	-9.9	50.0
Methyl tert-butyl ether	Ave	0.5044	0.4492		0.0178	0.0200	-10.9	50.0
trans-1,2-Dichloroethene	Ave	0.1939	0.2002		0.0206	0.0200	3.2	50.0
Hexane	Ave	0.0569	0.0591		0.0208	0.0200	3.9	20.0
1,1-Dichloroethane	Ave	0.3535	0.3451	0.1000	0.0195	0.0200	-2.4	50.0
Vinyl acetate	Qua		0.3882		0.0197	0.0200	-1.4	50.0
2-Butanone (MEK)	Ave	0.1837	0.1637		0.0356	0.0400	-10.9	50.0
cis-1,2-Dichloroethene	Ave	0.2286	0.2218		0.0194	0.0200	-3.0	50.0
2,2-Dichloropropane	Ave	0.1030	0.0944		0.0183	0.0200	-8.4	50.0
Bromochloromethane	Ave	0.1167	0.1151		0.0197	0.0200	-1.4	50.0
Tetrahydrofuran	Ave	0.1009	0.0845		0.0335	0.0400	-16.2	50.0
Chloroform	Ave	0.3650	0.3420		0.0187	0.0200	-6.3	20.0
1,1,1-Trichloroethane	Ave	0.2263	0.2334		0.0206	0.0200	3.1	50.0
Cyclohexane	Ave	0.3410	0.3604		0.0211	0.0200	5.7	50.0
1,1-Dichloropropene	Ave	0.2403	0.2552		0.0212	0.0200	6.2	50.0
Carbon tetrachloride	Ave	0.2107	0.2032		0.0193	0.0200	-3.5	50.0
Isobutyl alcohol	Ave	0.0102	0.0072		0.354	0.500	-29.1	50.0
1,2-Dichloroethane	Ave	0.3122	0.2986		0.0191	0.0200	-4.4	50.0
Benzene	Ave	0.7857	0.7827		0.0199	0.0200	-0.4	50.0
n-Heptane	Ave	0.0604	0.0592		0.0196	0.0200	-2.1	50.0
Trichloroethene	Ave	0.2209	0.2185		0.0198	0.0200	-1.1	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab Sample ID: CCVIS 240-230314/4 Calibration Date: 05/14/2016 01:53

Instrument ID: A3UX8 Calib Start Date: 05/12/2016 23:30

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 05/13/2016 01:58

Lab File ID: UX83686.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.3150	0.3396		0.0216	0.0200	7.8	50.0
1,2-Dichloropropane	Ave	0.1985	0.1924		0.0194	0.0200	-3.1	20.0
1,4-Dioxane	Ave	0.0026	0.0023		0.353	0.400	-11.7	50.0
Dibromomethane	Ave	0.1184	0.1112		0.0188	0.0200	-6.1	50.0
Bromodichloromethane	Qua		0.2126		0.0196	0.0200	-1.9	50.0
2-Chloroethyl vinyl ether	Qua		0.0407		0.0296	0.0400	-26.1	50.0
cis-1,3-Dichloropropene	Qua		0.2255		0.0198	0.0200	-0.8	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2748	0.2455		0.0357	0.0400	-10.7	50.0
Toluene	Ave	1.160	1.157		0.0199	0.0200	-0.3	20.0
trans-1,3-Dichloropropene	Qua		0.2266		0.0184	0.0200	-7.9	50.0
Ethyl methacrylate	Qua		0.2796		0.0183	0.0200	-8.7	50.0
1,1,2-Trichloroethane	Ave	0.2512	0.2371		0.0189	0.0200	-5.6	50.0
1,3-Dichloropropane	Ave	0.4227	0.3934		0.0186	0.0200	-6.9	50.0
Tetrachloroethene	Ave	0.2383	0.2433		0.0204	0.0200	2.1	50.0
2-Hexanone	Ave	0.2985	0.2500		0.0335	0.0400	-16.2	50.0
Chlorodibromomethane	Qua		0.2289		0.0195	0.0200	-2.5	50.0
1,2-Dibromoethane	Ave	0.2512	0.2306		0.0184	0.0200	-8.2	50.0
Chlorobenzene	Ave	0.8264	0.7964	0.3000	0.0193	0.0200	-3.6	50.0
1,1,1,2-Tetrachloroethane	Ave	0.2570	0.2453		0.0191	0.0200	-4.6	50.0
Ethylbenzene	Ave	0.4146	0.4182		0.0202	0.0200	0.9	20.0
m-Xylene & p-Xylene	Ave	0.5061	0.5001		0.0198	0.0200	-1.2	50.0
o-Xylene	Ave	0.5019	0.4947		0.0197	0.0200	-1.4	50.0
Styrene	Ave	0.8147	0.8234		0.0202	0.0200	1.1	50.0
Bromoform	Qua		0.1162	0.1000	0.0191	0.0200	-4.7	50.0
Isopropylbenzene	Ave	1.241	1.260		0.0203	0.0200	1.5	50.0
1,1,2,2-Tetrachloroethane	Ave	0.6047	0.5549	0.3000	0.0184	0.0200	-8.2	50.0
Bromobenzene	Ave	0.6724	0.6592		0.0196	0.0200	-2.0	50.0
1,2,3-Trichloropropane	Ave	0.2211	0.2001		0.0181	0.0200	-9.5	50.0
trans-1,4-Dichloro-2-butene	Qua		0.1704		0.0190	0.0200	-4.8	50.0
N-Propylbenzene	Ave	0.7034	0.7397		0.0210	0.0200	5.2	50.0
2-Chlorotoluene	Ave	0.6211	0.6260		0.0202	0.0200	0.8	50.0
1,3,5-Trimethylbenzene	Ave	1.993	2.066		0.0207	0.0200	3.7	50.0
4-Chlorotoluene	Ave	0.6575	0.6562		0.0200	0.0200	-0.2	50.0
tert-Butylbenzene	Ave	1.963	2.019		0.0206	0.0200	2.9	50.0
1,2,4-Trimethylbenzene	Ave	2.052	2.133		0.0208	0.0200	4.0	50.0
sec-Butylbenzene	Ave	2.520	2.676		0.0212	0.0200	6.2	50.0
1,3-Dichlorobenzene	Ave	1.301	1.266		0.0195	0.0200	-2.7	50.0
4-Isopropyltoluene	Ave	2.351	2.414		0.0205	0.0200	2.7	50.0
1,4-Dichlorobenzene	Ave	1.389	1.306		0.0188	0.0200	-6.0	50.0
n-Butylbenzene	Ave	1.822	1.918		0.0211	0.0200	5.3	50.0
1,2-Dichlorobenzene	Ave	1.272	1.212		0.0191	0.0200	-4.7	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab Sample ID: CCVIS 240-230314/4 Calibration Date: 05/14/2016 01:53

Instrument ID: A3UX8 Calib Start Date: 05/12/2016 23:30

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 05/13/2016 01:58

Lab File ID: UX83686.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Qua		0.0798		0.0178	0.0200	-11.2	50.0
1,2,4-Trichlorobenzene	Ave	0.7981	0.7339		0.0184	0.0200	-8.0	50.0
Hexachlorobutadiene	Ave	0.3743	0.3677		0.0196	0.0200	-1.8	50.0
Naphthalene	Ave	2.160	1.758		0.0163	0.0200	-18.6	50.0
1,2,3-Trichlorobenzene	Ave	0.7876	0.7217		0.0183	0.0200	-8.4	50.0
Dibromofluoromethane (Surr)	Ave	0.2113	0.1817		0.0430	0.0500	-14.0	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2754	0.2248		0.0408	0.0500	-18.4	50.0
Toluene-d8 (Surr)	Ave	1.085	0.9577		0.0441	0.0500	-11.8	50.0
4-Bromofluorobenzene (Surr)	Ave	0.4537	0.3714		0.0409	0.0500	-18.1	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab Sample ID: CCV 240-230314/5 Calibration Date: 05/14/2016 02:14

Instrument ID: A3UX8 Calib Start Date: 04/08/2016 07:29

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/08/2016 09:21

Lab File ID: UX83687.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachloroethane	Ave	0.2475	0.2155			0.0400	-12.9	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab Sample ID: CCV 240-230314/5 Calibration Date: 05/14/2016 02:14

Instrument ID: A3UX8 Calib Start Date: 04/14/2016 01:39

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/14/2016 03:28

Lab File ID: UX83687.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetonitrile	Ave	0.0465	0.0401		0.172	0.200	-13.8	50.0
Diisopropyl ether	Ave	0.1868	0.1639		0.0175	0.0200	-12.3	50.0
2-Chloro-1,3-butadiene	Ave	0.3778	0.3116		0.0165	0.0200	-17.5	50.0
Ethyl tert-butyl ether	Ave	0.6195	0.4505		0.0145	0.0200	-27.3	50.0
Ethyl acetate	Ave	0.3532	0.2395		0.0271	0.0400	-32.2	50.0
Propionitrile	Ave	0.0503	0.0403		0.160	0.200	-19.8	50.0
Methacrylonitrile	Ave	0.2326	0.1830		0.157	0.200	-21.4	50.0
Tert-amyl methyl ether	Ave	0.4557	0.3358		0.0147	0.0200	-26.3	50.0
n-Butanol	Ave	0.0080	0.0046		0.285	0.500	-43.0	50.0
Methyl methacrylate	Ave	0.3175	0.2182		0.0275	0.0400	-31.3	50.0
2-Nitropropane	Lin1		0.0323		0.0224	0.0400	-43.9	50.0
1-Chlorohexane	Ave	0.3257	0.2682		0.0165	0.0200	-17.7	50.0
Cyclohexanone	Ave	0.0136	0.0090		0.133	0.200	-33.6	50.0
1,2,3-Trimethylbenzene	Ave	2.199	1.961		0.0178	0.0200	-10.8	50.0
1,3,5-Trichlorobenzene	Ave	0.7955	0.7401		0.0186	0.0200	-7.0	50.0
2-Methylnaphthalene	Ave	1.332	1.016		0.0305	0.0400	-23.7	50.0

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab File ID: BFB8073.D BFB Injection Date: 05/18/2016

Instrument ID: A3UX8 BFB Injection Time: 01:46

Analysis Batch No.: 230734

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.0	
75	30.0 - 60.0 % of mass 95	44.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	86.9	
175	5.0 - 9.0 % of mass 174	6.2	(7.1) 1
176	95.0 - 101.0 % of mass 174	85.3	(98.1) 1
177	5.0 - 9.0 % of mass 176	5.5	(6.5) 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 240-230734/4	UX83754.D	05/18/2016	02:17
	CCV 240-230734/5	UX83755.D	05/18/2016	02:38
	MB 240-230296/1-A	UX83761.D	05/18/2016	04:52
	LCS 240-230296/2-A	UX83762.D	05/18/2016	05:13
DR-TL2N-050916	240-64634-21	UX83764.D	05/18/2016	05:55
DR-TL2S-050916	240-64634-22	UX83765.D	05/18/2016	06:17
DR-TLDUP3-050916	240-64634-23	UX83766.D	05/18/2016	06:38
DR-TL18N-050916	240-64634-24	UX83767.D	05/18/2016	06:59
DR-TL18S-050916	240-64634-25	UX83768.D	05/18/2016	07:20
DR-TL3N-051016	240-64678-1	UX83769.D	05/18/2016	07:41
DR-TL3S-051016	240-64678-2	UX83770.D	05/18/2016	08:02
DR-TL11N-051016	240-64678-3	UX83771.D	05/18/2016	08:24
DR-TL11S-051016	240-64678-4	UX83772.D	05/18/2016	08:45
DR-TL13N-051016	240-64678-5	UX83773.D	05/18/2016	09:06
DR-TL13S-051016	240-64678-6	UX83774.D	05/18/2016	09:27
DR-TL14N-051016	240-64678-7	UX83775.D	05/18/2016	09:48
DR-TL14S-051016	240-64678-8	UX83776.D	05/18/2016	10:09
DR-TL15N-051016	240-64678-9	UX83777.D	05/18/2016	10:31
DR-TL15S-051016	240-64678-10	UX83778.D	05/18/2016	10:52
DR-TL16N-051016	240-64678-11	UX83779.D	05/18/2016	11:13
DR-TL16S-051016	240-64678-12	UX83780.D	05/18/2016	11:34
DR-TL6S-050916	240-64634-20	UX83781.D	05/18/2016	11:55

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab Sample ID: CCVIS 240-230734/4 Calibration Date: 05/18/2016 02:17

Instrument ID: A3UX8 Calib Start Date: 05/12/2016 23:30

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 05/13/2016 01:58

Lab File ID: UX83754.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2026	0.1743		0.0172	0.0200	-14.0	50.0
Chloromethane	Ave	0.2654	0.2410	0.1000	0.0182	0.0200	-9.2	50.0
Vinyl chloride	Ave	0.1859	0.1790		0.0193	0.0200	-3.7	20.0
Butadiene	Ave	0.2054	0.1982		0.0193	0.0200	-3.5	50.0
Bromomethane	Qua		0.0878		0.0246	0.0200	23.2	50.0
Chloroethane	Qua		0.1020		0.0205	0.0200	2.5	50.0
Dichlorofluoromethane	Ave	0.2206	0.2236		0.0203	0.0200	1.4	50.0
Trichlorofluoromethane	Ave	0.2086	0.2182		0.0209	0.0200	4.6	50.0
Ethyl ether	Ave	0.1691	0.1713		0.0203	0.0200	1.3	50.0
Acrolein	Ave	0.0351	0.0358		0.102	0.100	1.8	50.0
1,1-Dichloroethene	Ave	0.1535	0.1423		0.0185	0.0200	-7.3	20.0
1,1,2-Trichlorotrifluoroethane	Ave	0.1254	0.1211		0.0193	0.0200	-3.5	50.0
Acetone	Qua		0.0906		0.0205	0.0400	-48.8	50.0
Iodomethane	Ave	0.2944	0.3055		0.0208	0.0200	3.8	50.0
Carbon disulfide	Ave	0.3932	0.4342		0.0221	0.0200	10.4	50.0
3-Chloro-1-propene	Ave	0.0920	0.0886		0.0193	0.0200	-3.7	50.0
Methyl acetate	Ave	0.2393	0.2118		0.0885	0.100	-11.5	50.0
Methylene Chloride	Lin1		0.2578		0.0221	0.0200	10.5	50.0
tert-Butyl alcohol	Ave	0.0193	0.0133		0.138	0.200	-31.0	50.0
Acrylonitrile	Ave	0.1072	0.0962		0.179	0.200	-10.3	50.0
Methyl tert-butyl ether	Ave	0.5044	0.4684		0.0186	0.0200	-7.1	50.0
trans-1,2-Dichloroethene	Ave	0.1939	0.2022		0.0209	0.0200	4.3	50.0
Hexane	Ave	0.0569	0.0581		0.0204	0.0200	2.1	20.0
1,1-Dichloroethane	Ave	0.3535	0.3443	0.1000	0.0195	0.0200	-2.6	50.0
Vinyl acetate	Qua		0.4268		0.0215	0.0200	7.5	50.0
2-Butanone (MEK)	Ave	0.1837	0.1371		0.0298	0.0400	-25.4	50.0
cis-1,2-Dichloroethene	Ave	0.2286	0.2270		0.0199	0.0200	-0.7	50.0
2,2-Dichloropropane	Ave	0.1030	0.1019		0.0198	0.0200	-1.1	50.0
Bromochloromethane	Ave	0.1167	0.1144		0.0196	0.0200	-2.0	50.0
Tetrahydrofuran	Ave	0.1009	0.0920		0.0365	0.0400	-8.8	50.0
Chloroform	Ave	0.3650	0.3451		0.0189	0.0200	-5.5	20.0
1,1,1-Trichloroethane	Ave	0.2263	0.2434		0.0215	0.0200	7.6	50.0
Cyclohexane	Ave	0.3410	0.3727		0.0219	0.0200	9.3	50.0
1,1-Dichloropropene	Ave	0.2403	0.2623		0.0218	0.0200	9.2	50.0
Carbon tetrachloride	Ave	0.2107	0.2204		0.0209	0.0200	4.6	50.0
Isobutyl alcohol	Ave	0.0102	0.0079		0.384	0.500	-23.1	50.0
1,2-Dichloroethane	Ave	0.3122	0.2952		0.0189	0.0200	-5.4	50.0
Benzene	Ave	0.7857	0.7802		0.0199	0.0200	-0.7	50.0
n-Heptane	Ave	0.0604	0.0672		0.0223	0.0200	11.3	50.0
Trichloroethene	Ave	0.2209	0.2261		0.0205	0.0200	2.3	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab Sample ID: CCVIS 240-230734/4 Calibration Date: 05/18/2016 02:17

Instrument ID: A3UX8 Calib Start Date: 05/12/2016 23:30

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 05/13/2016 01:58

Lab File ID: UX83754.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloropropane	Ave	0.1985	0.1975		0.0199	0.0200	-0.5	20.0
Methylcyclohexane	Ave	0.3150	0.3528		0.0224	0.0200	12.0	50.0
1,4-Dioxane	Ave	0.0026	0.0024		0.369	0.400	-7.6	50.0
Dibromomethane	Ave	0.1184	0.1200		0.0203	0.0200	1.3	50.0
Bromodichloromethane	Qua		0.2318		0.0213	0.0200	6.3	50.0
2-Chloroethyl vinyl ether	Qua		0.0379		0.0280	0.0400	-30.1	50.0
cis-1,3-Dichloropropene	Qua		0.2438		0.0213	0.0200	6.4	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2748	0.2524		0.0367	0.0400	-8.1	50.0
Toluene	Ave	1.160	1.253		0.0216	0.0200	8.0	20.0
trans-1,3-Dichloropropene	Qua		0.2610		0.0208	0.0200	4.0	50.0
Ethyl methacrylate	Qua		0.3135		0.0203	0.0200	1.3	50.0
1,1,2-Trichloroethane	Ave	0.2512	0.2725		0.0217	0.0200	8.5	50.0
1,3-Dichloropropane	Ave	0.4227	0.4393		0.0208	0.0200	3.9	50.0
Tetrachloroethene	Ave	0.2383	0.2651		0.0222	0.0200	11.2	50.0
2-Hexanone	Ave	0.2985	0.2550		0.0342	0.0400	-14.6	50.0
Chlorodibromomethane	Qua		0.2713		0.0227	0.0200	13.5	50.0
1,2-Dibromoethane	Ave	0.2512	0.2659		0.0212	0.0200	5.9	50.0
Chlorobenzene	Ave	0.8264	0.8752	0.3000	0.0212	0.0200	5.9	50.0
1,1,1,2-Tetrachloroethane	Ave	0.2570	0.2709		0.0211	0.0200	5.4	50.0
Ethylbenzene	Ave	0.4146	0.4484		0.0216	0.0200	8.2	20.0
m-Xylene & p-Xylene	Ave	0.5061	0.5449		0.0215	0.0200	7.7	50.0
o-Xylene	Ave	0.5019	0.5387		0.0215	0.0200	7.3	50.0
Styrene	Ave	0.8147	0.9282		0.0228	0.0200	13.9	50.0
Bromoform	Qua		0.1400	0.1000	0.0224	0.0200	12.0	50.0
Isopropylbenzene	Ave	1.241	1.381		0.0222	0.0200	11.2	50.0
1,1,2,2-Tetrachloroethane	Ave	0.6047	0.6241	0.3000	0.0206	0.0200	3.2	50.0
Bromobenzene	Ave	0.6724	0.7235		0.0215	0.0200	7.6	50.0
1,2,3-Trichloropropane	Ave	0.2211	0.2328		0.0211	0.0200	5.3	50.0
trans-1,4-Dichloro-2-butene	Qua		0.1920		0.0212	0.0200	6.1	50.0
N-Propylbenzene	Ave	0.7034	0.8048		0.0229	0.0200	14.4	50.0
2-Chlorotoluene	Ave	0.6211	0.6783		0.0218	0.0200	9.2	50.0
1,3,5-Trimethylbenzene	Ave	1.993	2.247		0.0225	0.0200	12.7	50.0
4-Chlorotoluene	Ave	0.6575	0.7198		0.0219	0.0200	9.5	50.0
tert-Butylbenzene	Ave	1.963	2.192		0.0223	0.0200	11.7	50.0
1,2,4-Trimethylbenzene	Ave	2.052	2.355		0.0230	0.0200	14.8	50.0
sec-Butylbenzene	Ave	2.520	2.865		0.0227	0.0200	13.7	50.0
1,3-Dichlorobenzene	Ave	1.301	1.404		0.0216	0.0200	7.9	50.0
4-Isopropyltoluene	Ave	2.351	2.629		0.0224	0.0200	11.8	50.0
1,4-Dichlorobenzene	Ave	1.389	1.426		0.0205	0.0200	2.7	50.0
n-Butylbenzene	Ave	1.822	2.056		0.0226	0.0200	12.8	50.0
1,2-Dichlorobenzene	Ave	1.272	1.309		0.0206	0.0200	2.9	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab Sample ID: CCVIS 240-230734/4 Calibration Date: 05/18/2016 02:17

Instrument ID: A3UX8 Calib Start Date: 05/12/2016 23:30

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 05/13/2016 01:58

Lab File ID: UX83754.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Qua		0.0961		0.0208	0.0200	4.0	50.0
1,2,4-Trichlorobenzene	Ave	0.7981	0.8117		0.0203	0.0200	1.7	50.0
Hexachlorobutadiene	Ave	0.3743	0.4003		0.0214	0.0200	7.0	50.0
Naphthalene	Ave	2.160	1.963		0.0182	0.0200	-9.1	50.0
1,2,3-Trichlorobenzene	Ave	0.7876	0.7635		0.0194	0.0200	-3.1	50.0
Dibromofluoromethane (Surr)	Ave	0.2113	0.2649		0.0627	0.0500	25.4	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2754	0.3026		0.0549	0.0500	9.8	50.0
Toluene-d8 (Surr)	Ave	1.085	1.472		0.0678	0.0500	35.7	50.0
4-Bromofluorobenzene (Surr)	Ave	0.4537	0.5670		0.0625	0.0500	25.0	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab Sample ID: CCV 240-230734/5 Calibration Date: 05/18/2016 02:38

Instrument ID: A3UX8 Calib Start Date: 04/08/2016 07:29

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/08/2016 09:21

Lab File ID: UX83755.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachloroethane	Ave	0.2475	0.2227			0.0400	-10.0	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab Sample ID: CCV 240-230734/5 Calibration Date: 05/18/2016 02:38

Instrument ID: A3UX8 Calib Start Date: 04/14/2016 01:39

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/14/2016 03:28

Lab File ID: UX83755.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetonitrile	Ave	0.0465	0.0398		0.171	0.200	-14.4	50.0
Diisopropyl ether	Ave	0.1868	0.1726		0.0185	0.0200	-7.6	50.0
2-Chloro-1,3-butadiene	Ave	0.3778	0.3323		0.0176	0.0200	-12.0	50.0
Ethyl tert-butyl ether	Ave	0.6195	0.4475		0.0144	0.0200	-27.8	50.0
Ethyl acetate	Ave	0.3532	0.2447		0.0277	0.0400	-30.7	50.0
Propionitrile	Ave	0.0503	0.0398		0.158	0.200	-20.9	50.0
Methacrylonitrile	Ave	0.2326	0.1838		0.158	0.200	-21.0	50.0
Tert-amyl methyl ether	Ave	0.4557	0.3349		0.0147	0.0200	-26.5	50.0
n-Butanol	Ave	0.0080	0.0045		0.283	0.500	-43.5	50.0
Methyl methacrylate	Ave	0.3175	0.2265		0.0285	0.0400	-28.7	50.0
2-Nitropropane	Lin1		0.0403		0.0261	0.0400	-34.7	50.0
1-Chlorohexane	Ave	0.3257	0.2796		0.0172	0.0200	-14.2	50.0
Cyclohexanone	Ave	0.0136	0.0093		0.136	0.200	-31.8	50.0
1,2,3-Trimethylbenzene	Ave	2.199	1.888		0.0172	0.0200	-14.2	50.0
1,3,5-Trichlorobenzene	Ave	0.7955	0.7239		0.0182	0.0200	-9.0	50.0
2-Methylnaphthalene	Ave	1.332	1.002		0.0301	0.0400	-24.8	50.0

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-64634-1

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 #
TB-050916	240-64634-26	97	95	97	86
TB-051016	240-64678-13	97	96	93	84
	MB 240-230444/6	94	91	94	83
	MB 240-230805/6	92	89	92	83
	LCS 240-230444/4	90	87	93	86
	LCS 240-230805/4	90	89	93	85

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	79-120
DCA = 1,2-Dichloroethane-d4 (Surr)	78-125
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene (Surr)	61-120

Column to be used to flag recovery values

FORM II 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Sample No.: STD8260 240-226738/4 Date Analyzed: 04/20/2016 10:10

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXJ3915.D Heated Purge: (Y/N) N

Calibration ID: 34082

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		906401	5.12	513238	7.78	187714	10.01
UPPER LIMIT		1812802	5.62	1026476	8.28	375428	10.51
LOWER LIMIT		453201	4.62	256619	7.28	93857	9.51
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-226738/14		928410	5.12	501834	7.78	190361	10.01
ICV 240-226738/15		848792	5.12	499263	7.78	161872	10.01
CCVIS 240-230444/2		1345908	5.12	683637	7.78	275122	10.03
CCVIS 240-230805/2		1261908	5.12	645878	7.78	260659	10.01

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Sample No.: CCVIS 240-230444/2 Date Analyzed: 05/16/2016 07:37

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXJ4654.D Heated Purge: (Y/N) N

Calibration ID: 34088

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1345908	5.12	683637	7.78	275122	10.03
UPPER LIMIT		2691816	5.62	1367274	8.28	550244	10.53
LOWER LIMIT		672954	4.62	341819	7.28	137561	9.53
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 240-230444/4		1163056	5.12	618203	7.78	258784	10.03
CCV 240-230444/3		1082631	5.12	593319	7.78	222351	10.01
MB 240-230444/6		954055	5.12	531425	7.78	201840	10.01
240-64634-26	TB-050916	838287	5.12	472344	7.78	177173	10.03

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Sample No.: CCVIS 240-230805/2 Date Analyzed: 05/18/2016 08:56

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXJ4742.D Heated Purge: (Y/N) N

Calibration ID: 34088

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1261908	5.12	645878	7.78	260659	10.01
UPPER LIMIT		2523816	5.62	1291756	8.28	521318	10.51
LOWER LIMIT		630954	4.62	322939	7.28	130330	9.51
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 240-230805/4		1119221	5.12	618370	7.78	233798	10.01
CCV 240-230805/3		1031663	5.12	582290	7.78	211528	10.03
MB 240-230805/6		946301	5.12	530922	7.78	205308	10.01
240-64678-13	TB-051016	839429	5.12	499322	7.78	178067	10.01

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab File ID: UXJ4658.D Lab Sample ID: MB 240-230444/6

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: A3UX11 Date Analyzed: 05/16/2016 09:07

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 240-230444/4	UXJ4655.D	05/16/2016 07:59
TB-050916	240-64634-26	UXJ4678.D	05/16/2016 16:46

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-230444/6

Matrix: Water | Lab File ID: UXJ4658.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 05/16/2016 09:07

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.: 230444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.28	U	1.0	0.28
71-55-6	1,1,1-Trichloroethane	0.44	U	1.0	0.44
79-34-5	1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22
76-13-1	1,1,2-Trichlorotrifluoroethane	0.45	U	1.0	0.45
75-34-3	1,1-Dichloroethane	0.30	U	1.0	0.30
75-35-4	1,1-Dichloroethene	0.45	U	1.0	0.45
563-58-6	1,1-Dichloropropene	0.42	U	1.0	0.42
87-61-6	1,2,3-Trichlorobenzene	0.37	U	1.0	0.37
96-18-4	1,2,3-Trichloropropane	0.44	U	1.0	0.44
526-73-8	1,2,3-Trimethylbenzene	0.47	U	5.0	0.47
120-82-1	1,2,4-Trichlorobenzene	0.32	U	1.0	0.32
95-63-6	1,2,4-Trimethylbenzene	0.41	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	0.82	U	2.0	0.82
95-50-1	1,2-Dichlorobenzene	0.25	U	1.0	0.25
107-06-2	1,2-Dichloroethane	0.23	U	1.0	0.23
78-87-5	1,2-Dichloropropane	0.25	U	1.0	0.25
541-73-1	1,3-Dichlorobenzene	0.19	U	1.0	0.19
142-28-9	1,3-Dichloropropane	0.19	U	1.0	0.19
106-46-7	1,4-Dichlorobenzene	0.27	U	1.0	0.27
594-20-7	2,2-Dichloropropane	0.26	U	1.0	0.26
78-93-3	2-Butanone (MEK)	0.53	U	10	0.53
110-75-8	2-Chloroethyl vinyl ether	0.59	U	10	0.59
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40
591-78-6	2-Hexanone	0.48	U	10	0.48
106-43-4	4-Chlorotoluene	0.29	U	1.0	0.29
99-87-6	4-Isopropyltoluene	0.43	U	1.0	0.43
108-10-1	4-Methyl-2-pentanone (MIBK)	0.99	U	10	0.99
67-64-1	Acetone	0.94	U	10	0.94
71-43-2	Benzene	0.35	U	1.0	0.35
108-86-1	Bromobenzene	0.35	U	1.0	0.35
75-25-2	Bromoform	0.56	U	1.0	0.56
74-83-9	Bromomethane	0.44	U	1.0	0.44
75-15-0	Carbon disulfide	0.38	U	1.0	0.38
56-23-5	Carbon tetrachloride	0.43	U	1.0	0.43
108-90-7	Chlorobenzene	0.25	U	1.0	0.25
124-48-1	Chlorodibromomethane	0.43	U	1.0	0.43

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-230444/6

Matrix: Water | Lab File ID: UXJ4658.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 05/16/2016 09:07

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.: 230444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.25	U	1.0	0.25
74-87-3	Chloromethane	0.44	U	1.0	0.44
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.46	U	1.0	0.46
74-95-3	Dibromomethane	0.42	U	1.0	0.42
74-97-5	Bromochloromethane	0.50	U	1.0	0.50
75-71-8	Dichlorodifluoromethane	0.32	U	1.0	0.32
75-27-4	Bromodichloromethane	0.29	U	1.0	0.29
75-65-0	tert-Butyl alcohol	4.9	U	50	4.9
100-41-4	Ethylbenzene	0.25	U	1.0	0.25
87-68-3	Hexachlorobutadiene	0.35	U	1.0	0.35
108-20-3	Diisopropyl ether	0.50	U	10	0.50
98-82-8	Isopropylbenzene	0.35	U	1.0	0.35
1634-04-4	Methyl tert-butyl ether	0.20	U	1.0	0.20
75-09-2	Methylene Chloride	0.33	U	1.0	0.33
179601-23-1	m-Xylene & p-Xylene	0.24	U	2.0	0.24
91-20-3	Naphthalene	0.45	U	1.0	0.45
104-51-8	n-Butylbenzene	0.31	U	1.0	0.31
103-65-1	N-Propylbenzene	0.40	U	1.0	0.40
95-47-6	o-Xylene	0.25	U	1.0	0.25
135-98-8	sec-Butylbenzene	0.48	U	1.0	0.48
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl methyl ether	0.30	U	5.0	0.30
637-92-3	Ethyl tert-butyl ether	0.23	U	5.0	0.23
127-18-4	Tetrachloroethene	0.31	U	1.0	0.31
108-88-3	Toluene	0.23	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	0.30	U	1.0	0.30
10061-02-6	trans-1,3-Dichloropropene	0.56	U	1.0	0.56
79-01-6	Trichloroethene	0.22	U	1.0	0.22
75-69-4	Trichlorofluoromethane	0.49	U	1.0	0.49
108-05-4	Vinyl acetate	0.41	U	2.0	0.41
75-01-4	Vinyl chloride	0.29	U	1.0	0.29
1330-20-7	Xylenes, Total	0.52	U	2.0	0.52
98-06-6	tert-Butylbenzene	0.41	U	1.0	0.41
106-93-4	1,2-Dibromoethane	0.32	U	1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-230444/6

Matrix: Water Lab File ID: UXJ4658.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/16/2016 09:07

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.: 230444 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	94		79-120
460-00-4	4-Bromofluorobenzene (Surr)	83		61-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		78-125

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

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-230444/6

Matrix: Water Lab File ID: UXJ4658.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/16/2016 09:07

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.: 230444 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-230444/6

Matrix: Water | Lab File ID: UXJ4658.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 05/16/2016 09:07

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.: 230444 | Units: ug/L

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

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXJ4655.D

Lab ID: LCS 240-230444/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	10.0	9.25	92	80-120	
1,1,1-Trichloroethane	10.0	10.0	100	77-123	
1,1,2,2-Tetrachloroethane	10.0	7.58	76	71-123	
1,1,2-Trichlorotrifluoroethane	10.0	10.9	109	67-138	
1,1-Dichloroethane	10.0	9.28	93	79-125	
1,1-Dichloroethene	10.0	10.3	103	76-124	
1,1-Dichloropropene	10.0	9.10	91	80-128	
1,2,3-Trichlorobenzene	10.0	8.22	82	66-120	
1,2,3-Trichloropropane	10.0	7.36	74	72-126	
1,2,4-Trichlorobenzene	10.0	8.43	84	61-120	
1,2,4-Trimethylbenzene	10.0	8.92	89	76-120	
1,2-Dibromo-3-Chloropropane	10.0	8.57	86	50-132	
1,2-Dichlorobenzene	10.0	9.42	94	79-120	
1,2-Dichloroethane	10.0	9.11	91	80-120	
1,2-Dichloropropane	10.0	9.62	96	78-124	
1,3-Dichlorobenzene	10.0	9.28	93	79-120	
1,3-Dichloropropane	10.0	9.09	91	80-120	
1,4-Dichlorobenzene	10.0	9.49	95	79-120	
2,2-Dichloropropane	10.0	9.86	99	71-122	
2-Butanone (MEK)	20.0	16.2	81	56-138	
2-Chloroethyl vinyl ether	10.0	8.60 J	86	54-139	
2-Chlorotoluene	10.0	8.43	84	80-120	
2-Hexanone	20.0	15.4	77	55-141	
4-Chlorotoluene	10.0	8.36	84	80-120	
4-Isopropyltoluene	10.0	9.26	93	77-120	
4-Methyl-2-pentanone (MIBK)	20.0	17.1	85	64-135	
Acetone	20.0	16.1	81	34-148	
Benzene	10.0	9.49	95	80-120	
Bromobenzene	10.0	8.36	84	80-120	
Bromoform	10.0	7.93	79	56-122	
Bromomethane	10.0	9.65	96	38-132	
Carbon disulfide	10.0	10.7	107	65-144	
Carbon tetrachloride	10.0	9.99	100	77-131	
Chlorobenzene	10.0	9.07	91	80-120	
Chlorodibromomethane	10.0	8.55	85	74-120	
Chloroethane	10.0	9.98	100	36-126	
Chloroform	10.0	9.42	94	80-120	
Chloromethane	10.0	9.34	93	48-133	
cis-1,2-Dichloroethene	10.0	9.57	96	79-120	
cis-1,3-Dichloropropene	10.0	9.23	92	74-126	
Dibromomethane	10.0	8.93	89	80-120	
Bromochloromethane	10.0	9.84	98	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXJ4655.D

Lab ID: LCS 240-230444/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	10.5	105	23-136	
Bromodichloromethane	10.0	9.38	94	80-120	
tert-Butyl alcohol	100	87.3	87	38-144	
Ethylbenzene	10.0	9.54	95	80-120	
Hexachlorobutadiene	10.0	9.50	95	62-120	
Isopropylbenzene	10.0	9.28	93	77-120	
Methyl tert-butyl ether	10.0	9.40	94	69-121	
Methylene Chloride	10.0	10.1	101	77-129	
m-Xylene & p-Xylene	10.0	9.08	91	80-120	
Naphthalene	10.0	7.65	76	53-121	
n-Butylbenzene	10.0	9.18	92	74-120	
N-Propylbenzene	10.0	8.01	80	79-123	
o-Xylene	10.0	8.98	90	80-120	
sec-Butylbenzene	10.0	9.13	91	77-120	
Styrene	10.0	8.91	89	76-122	
Tetrachloroethene	10.0	10.1	101	78-121	
Toluene	10.0	9.75	98	80-120	
trans-1,2-Dichloroethene	10.0	10.0	100	80-124	
trans-1,3-Dichloropropene	10.0	9.16	92	75-131	
Trichloroethene	10.0	9.86	99	80-121	
Trichlorofluoromethane	10.0	12.1	121	61-133	
Vinyl acetate	10.0	10.0	100	27-160	
Vinyl chloride	10.0	9.55	95	52-121	
Xylenes, Total	20.0	18.1	90	80-120	
tert-Butylbenzene	10.0	8.63	86	77-121	
1,2-Dibromoethane	10.0	9.37	94	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab File ID: UXJ4746.D Lab Sample ID: MB 240-230805/6

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: A3UX11 Date Analyzed: 05/18/2016 10:26

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 240-230805/4	UXJ4743.D	05/18/2016 09:18
TB-051016	240-64678-13	UXJ4766.D	05/18/2016 18:13

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-230805/6

Matrix: Water | Lab File ID: UXJ4746.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 05/18/2016 10:26

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.: 230805 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.28	U	1.0	0.28
71-55-6	1,1,1-Trichloroethane	0.44	U	1.0	0.44
79-34-5	1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22
76-13-1	1,1,2-Trichlorotrifluoroethane	0.45	U	1.0	0.45
75-34-3	1,1-Dichloroethane	0.30	U	1.0	0.30
75-35-4	1,1-Dichloroethene	0.45	U	1.0	0.45
563-58-6	1,1-Dichloropropene	0.42	U	1.0	0.42
87-61-6	1,2,3-Trichlorobenzene	0.37	U	1.0	0.37
96-18-4	1,2,3-Trichloropropane	0.44	U	1.0	0.44
526-73-8	1,2,3-Trimethylbenzene	0.47	U	5.0	0.47
120-82-1	1,2,4-Trichlorobenzene	0.32	U	1.0	0.32
95-63-6	1,2,4-Trimethylbenzene	0.41	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	0.82	U	2.0	0.82
95-50-1	1,2-Dichlorobenzene	0.25	U	1.0	0.25
107-06-2	1,2-Dichloroethane	0.23	U	1.0	0.23
78-87-5	1,2-Dichloropropane	0.25	U	1.0	0.25
541-73-1	1,3-Dichlorobenzene	0.19	U	1.0	0.19
142-28-9	1,3-Dichloropropane	0.19	U	1.0	0.19
106-46-7	1,4-Dichlorobenzene	0.27	U	1.0	0.27
594-20-7	2,2-Dichloropropane	0.26	U	1.0	0.26
78-93-3	2-Butanone (MEK)	0.53	U	10	0.53
110-75-8	2-Chloroethyl vinyl ether	0.59	U	10	0.59
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40
591-78-6	2-Hexanone	0.48	U	10	0.48
106-43-4	4-Chlorotoluene	0.29	U	1.0	0.29
99-87-6	4-Isopropyltoluene	0.43	U	1.0	0.43
108-10-1	4-Methyl-2-pentanone (MIBK)	0.99	U	10	0.99
67-64-1	Acetone	0.94	U	10	0.94
71-43-2	Benzene	0.35	U	1.0	0.35
108-86-1	Bromobenzene	0.35	U	1.0	0.35
75-25-2	Bromoform	0.56	U	1.0	0.56
74-83-9	Bromomethane	0.44	U	1.0	0.44
75-15-0	Carbon disulfide	0.38	U	1.0	0.38
56-23-5	Carbon tetrachloride	0.43	U	1.0	0.43
108-90-7	Chlorobenzene	0.25	U	1.0	0.25
124-48-1	Chlorodibromomethane	0.43	U	1.0	0.43

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-230805/6

Matrix: Water | Lab File ID: UXJ4746.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 05/18/2016 10:26

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.: 230805 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.25	U	1.0	0.25
74-87-3	Chloromethane	0.44	U	1.0	0.44
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.46	U	1.0	0.46
74-95-3	Dibromomethane	0.42	U	1.0	0.42
74-97-5	Bromochloromethane	0.50	U	1.0	0.50
75-71-8	Dichlorodifluoromethane	0.32	U	1.0	0.32
75-27-4	Bromodichloromethane	0.29	U	1.0	0.29
75-65-0	tert-Butyl alcohol	4.9	U	50	4.9
100-41-4	Ethylbenzene	0.25	U	1.0	0.25
87-68-3	Hexachlorobutadiene	0.35	U	1.0	0.35
108-20-3	Diisopropyl ether	0.50	U	10	0.50
98-82-8	Isopropylbenzene	0.35	U	1.0	0.35
1634-04-4	Methyl tert-butyl ether	0.20	U	1.0	0.20
75-09-2	Methylene Chloride	0.33	U	1.0	0.33
179601-23-1	m-Xylene & p-Xylene	0.24	U	2.0	0.24
91-20-3	Naphthalene	0.45	U	1.0	0.45
104-51-8	n-Butylbenzene	0.31	U	1.0	0.31
103-65-1	N-Propylbenzene	0.40	U	1.0	0.40
95-47-6	o-Xylene	0.25	U	1.0	0.25
135-98-8	sec-Butylbenzene	0.48	U	1.0	0.48
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl methyl ether	0.30	U	5.0	0.30
637-92-3	Ethyl tert-butyl ether	0.23	U	5.0	0.23
127-18-4	Tetrachloroethene	0.31	U	1.0	0.31
108-88-3	Toluene	0.23	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	0.30	U	1.0	0.30
10061-02-6	trans-1,3-Dichloropropene	0.56	U	1.0	0.56
79-01-6	Trichloroethene	0.22	U	1.0	0.22
75-69-4	Trichlorofluoromethane	0.49	U	1.0	0.49
108-05-4	Vinyl acetate	0.41	U	2.0	0.41
75-01-4	Vinyl chloride	0.29	U	1.0	0.29
1330-20-7	Xylenes, Total	0.52	U	2.0	0.52
98-06-6	tert-Butylbenzene	0.41	U	1.0	0.41
106-93-4	1,2-Dibromoethane	0.32	U	1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-230805/6

Matrix: Water Lab File ID: UXJ4746.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/18/2016 10:26

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.: 230805 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	92		80-120
1868-53-7	Dibromofluoromethane (Surr)	92		79-120
460-00-4	4-Bromofluorobenzene (Surr)	83		61-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		78-125

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

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-230805/6

Matrix: Water Lab File ID: UXJ4746.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/18/2016 10:26

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.: 230805 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

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

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

Lab Name: TestAmerica Canton | Job No.: 240-64634-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-230805/6

Matrix: Water | Lab File ID: UXJ4746.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 05/18/2016 10:26

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.: 230805 | Units: ug/L

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

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXJ4743.D

Lab ID: LCS 240-230805/4 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	80-120	
1,1,1-Trichloroethane	10.0	10.2	102	77-123	
1,1,2,2-Tetrachloroethane	10.0	8.27	83	71-123	
1,1,2-Trichlorotrifluoroethane	10.0	10.1	101	67-138	
1,1-Dichloroethane	10.0	10.0	100	79-125	
1,1-Dichloroethene	10.0	11.0	110	76-124	
1,1-Dichloropropene	10.0	9.90	99	80-128	
1,2,3-Trichlorobenzene	10.0	8.85	89	66-120	
1,2,3-Trichloropropane	10.0	8.27	83	72-126	
1,2,4-Trichlorobenzene	10.0	9.43	94	61-120	
1,2,4-Trimethylbenzene	10.0	9.85	99	76-120	
1,2-Dibromo-3-Chloropropane	10.0	8.03	80	50-132	
1,2-Dichlorobenzene	10.0	10.2	102	79-120	
1,2-Dichloroethane	10.0	9.66	97	80-120	
1,2-Dichloropropane	10.0	10.4	104	78-124	
1,3-Dichlorobenzene	10.0	10.1	101	79-120	
1,3-Dichloropropane	10.0	9.50	95	80-120	
1,4-Dichlorobenzene	10.0	10.2	102	79-120	
2,2-Dichloropropane	10.0	10.8	108	71-122	
2-Butanone (MEK)	20.0	16.6	83	56-138	
2-Chloroethyl vinyl ether	10.0	8.96 J	90	54-139	
2-Chlorotoluene	10.0	9.31	93	80-120	
2-Hexanone	20.0	15.1	76	55-141	
4-Chlorotoluene	10.0	9.77	98	80-120	
4-Isopropyltoluene	10.0	9.98	100	77-120	
4-Methyl-2-pentanone (MIBK)	20.0	17.2	86	64-135	
Acetone	20.0	17.2	86	34-148	
Benzene	10.0	10.3	103	80-120	
Bromobenzene	10.0	9.56	96	80-120	
Bromoform	10.0	6.50	65	56-122	
Bromomethane	10.0	8.09	81	38-132	
Carbon disulfide	10.0	11.0	110	65-144	
Carbon tetrachloride	10.0	10.3	103	77-131	
Chlorobenzene	10.0	9.71	97	80-120	
Chlorodibromomethane	10.0	7.92	79	74-120	
Chloroethane	10.0	8.69	87	36-126	
Chloroform	10.0	10.4	104	80-120	
Chloromethane	10.0	9.86	99	48-133	
cis-1,2-Dichloroethene	10.0	10.5	105	79-120	
cis-1,3-Dichloropropene	10.0	9.76	98	74-126	
Dibromomethane	10.0	9.49	95	80-120	
Bromochloromethane	10.0	10.6	106	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXJ4743.D

Lab ID: LCS 240-230805/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	5.99	60	23-136	
Bromodichloromethane	10.0	9.71	97	80-120	
tert-Butyl alcohol	100	90.1	90	38-144	
Ethylbenzene	10.0	10.2	102	80-120	
Hexachlorobutadiene	10.0	10.6	106	62-120	
Isopropylbenzene	10.0	9.72	97	77-120	
Methyl tert-butyl ether	10.0	9.94	99	69-121	
Methylene Chloride	10.0	11.3	113	77-129	
m-Xylene & p-Xylene	10.0	10.0	100	80-120	
Naphthalene	10.0	8.24	82	53-121	
n-Butylbenzene	10.0	10.1	101	74-120	
N-Propylbenzene	10.0	9.43	94	79-123	
o-Xylene	10.0	9.47	95	80-120	
sec-Butylbenzene	10.0	9.76	98	77-120	
Styrene	10.0	9.82	98	76-122	
Tetrachloroethene	10.0	10.5	105	78-121	
Toluene	10.0	10.4	104	80-120	
trans-1,2-Dichloroethene	10.0	10.7	107	80-124	
trans-1,3-Dichloropropene	10.0	9.11	91	75-131	
Trichloroethene	10.0	10.6	106	80-121	
Trichlorofluoromethane	10.0	9.02	90	61-133	
Vinyl acetate	10.0	10.8	108	27-160	
Vinyl chloride	10.0	8.62	86	52-121	
Xylenes, Total	20.0	19.5	97	80-120	
tert-Butylbenzene	10.0	9.40	94	77-121	
1,2-Dibromoethane	10.0	9.74	97	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab File ID: BFB6420A.D BFB Injection Date: 04/20/2016

Instrument ID: A3UX11 BFB Injection Time: 08:39

Analysis Batch No.: 226738

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.1	
75	30.0 - 60.0 % of mass 95	50.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	86.0	
175	5.0 - 9.0 % of mass 174	6.8	(8.0) 1
176	95.0 - 101.0 % of mass 174	83.5	(97.1) 1
177	5.0 - 9.0 % of mass 176	5.9	(7.1) 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
	STD8260 240-226738/2	UXJ3913.D	04/20/2016	09:25
	STD8260 240-226738/3	UXJ3914.D	04/20/2016	09:48
	STD8260 240-226738/4	UXJ3915.D	04/20/2016	10:10
	STD8260 240-226738/5	UXJ3916.D	04/20/2016	10:33
	STD8260 240-226738/6	UXJ3917.D	04/20/2016	10:56
	STD8260 240-226738/7	UXJ3918.D	04/20/2016	11:18
	ICV 240-226738/14	UXJ3919.D	04/20/2016	12:08
	STD6 240-226738/8	UXJ3920.D	04/20/2016	12:31
	STD5 240-226738/9	UXJ3921.D	04/20/2016	12:54
	STD4 240-226738/10	UXJ3922.D	04/20/2016	13:16
	STD3 240-226738/11	UXJ3923.D	04/20/2016	13:39
	STD2 240-226738/12	UXJ3924.D	04/20/2016	14:02
	STD1 240-226738/13	UXJ3925.D	04/20/2016	14:24
	ICV 240-226738/15	UXJ3926.D	04/20/2016	14:47

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-64634-1 Analy Batch No.: 226738

SDG No.:

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/20/2016 09:25 Calibration End Date: 04/20/2016 11:18 Calibration ID: 34082

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-226738/7	UXJ3918.D
Level 2	STD8260 240-226738/6	UXJ3917.D
Level 3	STD8260 240-226738/5	UXJ3916.D
Level 4	STD8260 240-226738/4	UXJ3915.D
Level 5	STD8260 240-226738/3	UXJ3914.D
Level 6	STD8260 240-226738/2	UXJ3913.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	0.1993 0.1423	0.1669	0.1636	0.1864	0.1828	Ave		0.1736			0.1000	11.6		20.0			
Chloromethane	0.2502 0.2033	0.2714	0.2305	0.2230	0.2207	Ave		0.2332			0.1000	10.3		20.0			
Vinyl chloride	0.2332 0.1745	0.2601	0.2112	0.2178	0.2085	Ave		0.2175			0.1000	13.1		20.0			
Butadiene	0.2482 0.1746	0.2401	0.2019	0.2167	0.2165	Ave		0.2163				12.3		20.0			
Bromomethane	0.0961 0.0977	0.1274	0.0986	0.0995	0.1002	Ave		0.1032			0.0500	11.5		20.0			
Chloroethane	0.1087 0.1059	0.1330	0.1139	0.1129	0.1147	Ave		0.1149			0.0500	8.3		20.0			
Dichlorofluoromethane	0.2548 0.2378	0.3209	0.2520	0.2586	0.2599	Ave		0.2640				11.0		20.0			
Trichlorofluoromethane	0.1977 0.1936	0.1690	0.1852	0.2074	0.2252	Ave		0.1964			0.1000	9.8		20.0			
Ethyl ether	0.2410 0.2078	0.3075	0.2284	0.2320	0.2327	Ave		0.2416				14.1		20.0			
Acrolein	0.0236 0.0207	0.0273	0.0262	0.0250	0.0239	Ave		0.0244				9.5		20.0			
1,1-Dichloroethene	0.1869 0.1731	0.2248	0.1870	0.1946	0.1936	Ave		0.1933			0.1000	8.9		20.0			
1,1,2-Trichlorotrifluoroethane	0.1340 0.1064	0.1160	0.1146	0.1181	0.1272	Ave		0.1194			0.0500	8.2		20.0			
Acetone	0.1106 0.0366	0.1024	0.0750	0.0614	0.0492	Qua	0.1647	0.0575	-0.000288		0.0100				0.9990		0.9900
Iodomethane	0.2581 0.2365	0.3110	0.2646	0.2515	0.2560	Ave		0.2630				9.6		20.0			
Carbon disulfide	0.5144 0.4320	0.5844	0.4652	0.4717	0.4809	Ave		0.4914			0.1000	10.7		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.: 240-64634-1 Analy Batch No.: 226738

SDG No.:

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/20/2016 09:25 Calibration End Date: 04/20/2016 11:18 Calibration ID: 34082

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	0.1522 0.1536	0.1716	0.1617	0.1613	0.1633	Ave		0.1606				4.4		20.0			
Methyl acetate	0.1583 0.1261	0.1796	0.1535	0.1466	0.1443	Ave		0.1514			0.1000	11.7		20.0			
Methylene Chloride	0.3965 0.1985	0.3715	0.2552	0.2188	0.2152	Lin1	0.2545	0.1964			0.1000				0.9960		0.9900
tert-Butyl alcohol	0.0144 0.0091	0.0165	0.0122	0.0116	0.0110	Qua	0.0374	0.0124	-0.000008						0.9990		0.9900
Acrylonitrile	0.0803 0.0649	0.0899	0.0758	0.0736	0.0738	Ave		0.0764				10.9		20.0			
Methyl tert-butyl ether	0.6891 0.6170	0.7690	0.6749	0.6504	0.6607	Ave		0.6769			0.1000	7.6		20.0			
trans-1,2-Dichloroethene	0.2913 0.2486	0.3091	0.2685	0.2529	0.2661	Ave		0.2727			0.1000	8.5		20.0			
Hexane	0.0660 0.0536	0.0507	0.0543	0.0644	0.0680	Ave		0.0595				12.5		20.0			
1,1-Dichloroethane	0.4956 0.4458	0.5665	0.4781	0.4496	0.4597	Ave		0.4826			0.2000	9.4		20.0			
Vinyl acetate	0.3981 0.3772	0.4533	0.3934	0.3798	0.3938	Ave		0.3993				7.0		20.0			
cis-1,2-Dichloroethene	0.2889 0.2612	0.3309	0.2828	0.2670	0.2711	Ave		0.2836			0.1000	8.9		20.0			
2-Butanone (MEK)	0.0996 0.0654	0.1163	0.0922	0.0866	0.0751	Qua	0.0976	0.0838	-0.000247		0.0100				0.9990		0.9900
2,2-Dichloropropane	0.2045 0.1860	0.2403	0.1954	0.2014	0.2065	Ave		0.2057				9.0		20.0			
Bromochloromethane	0.1227 0.1247	0.1516	0.1355	0.1208	0.1308	Ave		0.1310				8.8		20.0			
Tetrahydrofuran	0.0582 0.0463	0.0629	0.0529	0.0518	0.0524	Ave		0.0541				10.6		20.0			
Chloroform	0.4632 0.4077	0.5095	0.4329	0.4028	0.4182	Ave		0.4390			0.2000	9.3		20.0			
1,1,1-Trichloroethane	0.2988 0.2779	0.3434	0.2934	0.2950	0.2971	Ave		0.3009			0.1000	7.4		20.0			
Cyclohexane	0.3606 0.2936	0.3365	0.2986	0.3491	0.3561	Ave		0.3324			0.1000	8.8		20.0			
1,1-Dichloropropene	0.3743 0.3422	0.4157	0.3404	0.3528	0.3587	Ave		0.3640				7.7		20.0			
Carbon tetrachloride	0.2887 0.2864	0.3176	0.2657	0.2931	0.3031	Ave		0.2924			0.1000	6.0		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.: 240-64634-1 Analy Batch No.: 226738

SDG No.:

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/20/2016 09:25 Calibration End Date: 04/20/2016 11:18 Calibration ID: 34082

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	0.0079 0.0073	0.0084	0.0087	0.0077	0.0077	Ave		0.0079				6.5		20.0			
1,2-Dichloroethane	0.3599 0.3206	0.3783	0.3362	0.3103	0.3181	Ave		0.3372			0.1000	7.9		20.0			
Benzene	1.1380 1.0515	1.2783	1.0825	1.0196	1.0398	Ave		1.1016			0.5000	8.7		20.0			
n-Heptane	0.0718 0.0525	0.0491	0.0448	0.0599	0.0656	Ave		0.0573				18.0		20.0			
Trichloroethene	0.2735 0.2632	0.3222	0.2626	0.2585	0.2679	Ave		0.2747			0.1500	8.7		20.0			
Methylcyclohexane	0.3391 0.2892	0.3024	0.2666	0.3322	0.3485	Ave		0.3130			0.1000	10.2		20.0			
1,2-Dichloropropane	0.2485 0.2452	0.3016	0.2549	0.2380	0.2419	Ave		0.2550			0.1000	9.2		20.0			
Dibromomethane	0.1500 0.1278	0.1583	0.1321	0.1241	0.1286	Ave		0.1368				10.2		20.0			
1,4-Dioxane	0.0010 0.0013	0.0012	0.0012	0.0015	0.0015	Ave		0.0013				15.0		20.0			
Bromodichloromethane	0.2656 0.3015	0.3222	0.2897	0.2760	0.2880	Ave		0.2905			0.1500	6.8		20.0			
2-Chloroethyl vinyl ether	0.1317 0.1338	0.1538	0.1355	0.1349	0.1403	Ave		0.1383				5.9		20.0			
cis-1,3-Dichloropropene	0.3386 0.3749	0.3934	0.3564	0.3457	0.3669	Ave		0.3627			0.1500	5.5		20.0			
4-Methyl-2-pentanone (MIBK)	0.1673 0.1485	0.1989	0.1629	0.1606	0.1601	Ave		0.1664			0.0500	10.3		20.0			
Toluene	1.9124 2.0010	2.0990	1.8477	1.7837	1.8355	Ave		1.9132			0.4000	6.2		20.0			
trans-1,3-Dichloropropene	0.4650 0.6143	0.5595	0.5254	0.5141	0.5575	Ave		0.5393			0.1000	9.3		20.0			
Ethyl methacrylate	0.4135 0.5057	0.4523	0.4395	0.4401	0.4706	Ave		0.4536				7.0		20.0			
1,1,2-Trichloroethane	0.3312 0.3411	0.3785	0.3395	0.3095	0.3211	Ave		0.3368			0.1000	7.0		20.0			
Tetrachloroethene	0.3531 0.3545	0.3752	0.3257	0.3173	0.3327	Ave		0.3431			0.1500	6.3		20.0			
1,3-Dichloropropane	0.6159 0.6539	0.7351	0.6367	0.5874	0.6035	Ave		0.6387				8.3		20.0			
2-Hexanone	0.2183 0.1909	0.2426	0.2160	0.1958	0.1891	Ave		0.2088			0.0500	10.0		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.: 240-64634-1 Analy Batch No.: 226738

SDG No.:

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/20/2016 09:25 Calibration End Date: 04/20/2016 11:18 Calibration ID: 34082

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	0.2879 0.3722	0.3509	0.3212	0.3171	0.3382	Ave		0.3313				8.8		20.0			
1,2-Dibromoethane	0.2911 0.3077	0.3497	0.2961	0.2868	0.2947	Ave		0.3044				7.7		20.0			
Chlorobenzene	1.0120 0.9962	1.1718	1.0054	0.9354	0.9791	Ave		1.0166			0.3000	7.9		20.0			
1,1,1,2-Tetrachloroethane	0.3173 0.3363	0.3589	0.3318	0.3071	0.3221	Ave		0.3289				5.5		20.0			
Ethylbenzene	0.4781 0.5309	0.5610	0.4979	0.5002	0.5234	Ave		0.5153				5.7		20.0			
m-Xylene & p-Xylene	0.5952 0.6273	0.6640	0.6095	0.5694	0.6072	Ave		0.6121				5.2		20.0			
o-Xylene	0.5461 0.5589	0.5994	0.5512	0.5262	0.5424	Ave		0.5540				4.5		20.0			
Styrene	0.8613 0.9843	1.0236	0.9444	0.8934	0.9471	Ave		0.9423			0.3000	6.3		20.0			
Bromoform	0.1157 0.1652	0.1458	0.1329	0.1390	0.1510	Ave		0.1416			0.1000	11.9		20.0			
Isopropylbenzene	1.1590 1.1999	1.3078	1.1817	1.1294	1.1846	Ave		1.1937			0.1000	5.1		20.0			
1,1,2,2-Tetrachloroethane	0.7623 0.6293	0.8461	0.7024	0.6585	0.6408	Ave		0.7065			0.3000	11.9		20.0			
Bromobenzene	0.8438 0.8526	1.0183	0.8619	0.8371	0.8349	Ave		0.8748				8.1		20.0			
1,2,3-Trichloropropane	0.2546 0.2157	0.2897	0.2301	0.2292	0.2295	Ave		0.2415				11.1		20.0			
trans-1,4-Dichloro-2-butene	0.1707 0.2090	0.1715	0.1742	0.1785	0.2097	Ave		0.1856				10.0		20.0			
N-Propylbenzene	0.8057 0.8007	0.9062	0.8118	0.8116	0.8107	Ave		0.8245				4.9		20.0			
2-Chlorotoluene	0.7225 0.7115	0.8370	0.7461	0.7137	0.6934	Ave		0.7374				7.0		20.0			
1,3,5-Trimethylbenzene	2.0463 2.2503	2.2937	2.1203	2.0339	2.1167	Ave		2.1435				5.0		20.0			
4-Chlorotoluene	0.7827 0.7648	0.8791	0.7743	0.7413	0.7550	Ave		0.7829				6.3		20.0			
tert-Butylbenzene	1.7487 1.8139	1.9706	1.7808	1.7290	1.7726	Ave		1.8026				4.8		20.0			
1,2,4-Trimethylbenzene	2.1324 2.3121	2.5946	2.1634	2.1478	2.2386	Ave		2.2648				7.7		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.: 240-64634-1 Analy Batch No.: 226738

SDG No.:

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/20/2016 09:25 Calibration End Date: 04/20/2016 11:18 Calibration ID: 34082

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	2.2635 2.3993	2.5607	2.3141	2.3358	2.3462	Ave		2.3699				4.4		20.0			
1,3-Dichlorobenzene	1.5149 1.3829	1.6266	1.4107	1.3088	1.3497	Ave		1.4323			0.6000	8.2		20.0			
4-Isopropyltoluene	2.0291 2.2168	2.2948	2.0808	2.0246	2.1111	Ave		2.1262				5.1		20.0			
1,4-Dichlorobenzene	1.4754 1.4495	1.7737	1.4907	1.3548	1.3951	Ave		1.4899			0.5000	9.9		20.0			
n-Butylbenzene	1.6757 1.7617	1.9222	1.6545	1.6713	1.7079	Ave		1.7322				5.8		20.0			
1,2-Dichlorobenzene	1.3643 1.3507	1.6350	1.3737	1.2976	1.3403	Ave		1.3936			0.4000	8.7		20.0			
1,2-Dibromo-3-Chloropropane	0.1295 0.1095	0.1442	0.1218	0.1290	0.1248	Ave		0.1265			0.0500	9.0		20.0			
1,2,4-Trichlorobenzene	0.9740 0.7455	1.1025	0.8899	0.8296	0.8541	Ave		0.8993			0.2000	13.8		20.0			
Hexachlorobutadiene	0.4561 0.3172	0.5163	0.3888	0.3757	0.3732	Ave		0.4046				17.4		20.0			
Naphthalene	1.9597 1.5442	2.2644	1.9167	1.9004	1.9030	Ave		1.9147				12.0		20.0			
1,2,3-Trichlorobenzene	0.8775 0.6096	1.0141	0.8166	0.7708	0.7435	Ave		0.8053				16.9		20.0			
Dibromofluoromethane (Surr)	0.2395 0.2173	0.2562	0.2245	0.2198	0.2251	Ave		0.2304				6.4		20.0			
1,2-Dichloroethane-d4 (Surr)	0.3008 0.2735	0.3196	0.2839	0.2731	0.2722	Ave		0.2872				6.7		20.0			
Toluene-d8 (Surr)	1.6750 1.6926	1.6872	1.5724	1.5175	1.5862	Ave		1.6218				4.5		20.0			
4-Bromofluorobenzene (Surr)	0.3294 0.3510	0.3831	0.3514	0.3325	0.3425	Ave		0.3483				5.5		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.: 240-64634-1 Analy Batch No.: 226738

SDG No.:

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/20/2016 12:31 Calibration End Date: 04/20/2016 14:24 Calibration ID: 34085

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-226738/13	UXJ3925.D
Level 2	STD2 240-226738/12	UXJ3924.D
Level 3	STD3 240-226738/11	UXJ3923.D
Level 4	STD4 240-226738/10	UXJ3922.D
Level 5	STD5 240-226738/9	UXJ3921.D
Level 6	STD6 240-226738/8	UXJ3920.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	0.0210 0.0180	0.0178	0.0200	0.0226	0.0192	Ave		0.0197				9.3		20.0			
Diisopropyl ether	0.2379 0.2117	0.2161	0.2283	0.2462	0.2199	Ave		0.2267				5.9		20.0			
2-Chloro-1,3-butadiene	0.4003 0.3677	0.3773	0.3881	0.4191	0.3802	Ave		0.3888				4.7		20.0			
Ethyl tert-butyl ether	0.7118 0.6448	0.6548	0.6868	0.7714	0.6725	Ave		0.6903				6.7		20.0			
Ethyl acetate	0.1924 0.1590	0.1725	0.1781	0.1889	0.1675	Ave		0.1764				7.2		20.0			
Propionitrile	0.0254 0.0215	0.0237	0.0254	0.0270	0.0230	Ave		0.0243				8.2		20.0			
Methacrylonitrile	0.1399 0.1186	0.1296	0.1346	0.1449	0.1260	Ave		0.1323				7.2		20.0			
Tert-amyl methyl ether	0.6408 0.5775	0.5807	0.6129	0.6829	0.6011	Ave		0.6160				6.5		20.0			
n-Butanol	0.0044 0.0049	0.0058	0.0055	0.0061	0.0054	Ave		0.0053				11.3		20.0			
Ethyl acrylate	0.2448 0.2392	0.2263	0.2438	0.2726	0.2499	Ave		0.2461				6.2		20.0			
Methyl methacrylate	0.1842 0.1700	0.1688	0.1805	0.2009	0.1786	Ave		0.1805				6.5		20.0			
2-Nitropropane	0.0461 0.0400	0.0372	0.0399	0.0432	0.0392	Ave		0.0409				7.8		20.0			
n-Butyl acetate	0.2511 0.2336	0.2373	0.2399	0.2689	0.2431	Ave		0.2457				5.2		20.0			
1-Chlorohexane	0.4124 0.3982	0.3930	0.4235	0.4534	0.4099	Ave		0.4151				5.2		20.0			
Cyclohexanone	0.0153 0.0141	0.0151	0.0180	0.0192	0.0170	Ave		0.0165				12.0		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.: 240-64634-1 Analy Batch No.: 226738

SDG No.:

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/20/2016 12:31 Calibration End Date: 04/20/2016 14:24 Calibration ID: 34085

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								
1,2,3-Trimethylbenzene	2.2206 2.2119	1.9158	2.0951	2.5177	2.2650	Ave		2.2043				9.0		20.0			
1,3,5-Trichlorobenzene	1.0289 0.8540	0.9643	0.9843	1.0631	0.9144	Ave		0.9682				7.9		20.0			
2-Methylnaphthalene	1.2831 +++++	1.3293	1.1894	1.3316	1.1024	Ave		1.2472				8.0		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.: 240-64634-1

SDG No.:

Lab Sample ID: ICV 240-226738/14 Calibration Date: 04/20/2016 12:08

Instrument ID: A3UX11 Calib Start Date: 04/20/2016 09:25

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/20/2016 11:18

Lab File ID: UXJ3919.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	Ave	0.1736	0.1832	0.1000	0.0106	0.0100	5.5	20.0
Chloromethane	Ave	0.2332	0.2453	0.1000	0.0105	0.0100	5.2	20.0
Vinyl chloride	Ave	0.2175	0.2228	0.1000	0.0102	0.0100	2.4	20.0
Butadiene	Ave	0.2163	0.2282		0.0105	0.0100	5.5	30.0
Bromomethane	Ave	0.1032	0.1072	0.0500	0.0104	0.0100	3.8	20.0
Chloroethane	Ave	0.1149	0.1208	0.0500	0.0105	0.0100	5.2	20.0
Dichlorofluoromethane	Ave	0.2640	0.2821		0.0107	0.0100	6.9	20.0
Trichlorofluoromethane	Ave	0.1964	0.2188	0.1000	0.0111	0.0100	11.4	20.0
Ethyl ether	Ave	0.2416	0.2170		0.00898	0.0100	-10.2	20.0
Acrolein	Ave	0.0244	0.0347		0.0709	0.0500	41.8	50.0
1,1,2-Trichlorotrifluoroethane	Ave	0.1194	0.1397	0.0500	0.0117	0.0100	17.0	20.0
1,1-Dichloroethene	Ave	0.1933	0.2129	0.1000	0.0110	0.0100	10.1	20.0
Acetone	Qua		0.0534	0.0100	0.0172	0.0200	-14.1	50.0
Iodomethane	Ave	0.2630	0.2945		0.0112	0.0100	12.0	20.0
Carbon disulfide	Ave	0.4914	0.5391	0.1000	0.0110	0.0100	9.7	20.0
3-Chloro-1-propene	Ave	0.1606	0.1759		0.0109	0.0100	9.5	20.0
Methyl acetate	Ave	0.1514	0.1447	0.1000	0.0478	0.0500	-4.4	20.0
Methylene Chloride	Lin1		0.2351	0.1000	0.0107	0.0100	6.7	50.0
tert-Butyl alcohol	Qua		0.0110		0.0911	0.100	-8.9	50.0
Acrylonitrile	Ave	0.0764	0.0725		0.0949	0.100	-5.1	20.0
Methyl tert-butyl ether	Ave	0.6769	0.6511	0.1000	0.00962	0.0100	-3.8	20.0
trans-1,2-Dichloroethene	Ave	0.2727	0.2754	0.1000	0.0101	0.0100	1.0	20.0
Hexane	Ave	0.0595	0.0747		0.0126	0.0100	25.6*	20.0
1,1-Dichloroethane	Ave	0.4826	0.4668	0.2000	0.00967	0.0100	-3.3	20.0
Vinyl acetate	Ave	0.3993	0.3822		0.00957	0.0100	-4.3	50.0
2-Butanone (MEK)	Qua		0.0769	0.0100	0.0182	0.0200	-9.2	20.0
cis-1,2-Dichloroethene	Ave	0.2836	0.2703	0.1000	0.00953	0.0100	-4.7	20.0
2,2-Dichloropropane	Ave	0.2057	0.2000		0.00972	0.0100	-2.8	20.0
Bromochloromethane	Ave	0.1310	0.1285		0.00981	0.0100	-1.9	20.0
Tetrahydrofuran	Ave	0.0541	0.0497		0.0184	0.0200	-8.2	20.0
Chloroform	Ave	0.4390	0.4218	0.2000	0.00961	0.0100	-3.9	20.0
1,1,1-Trichloroethane	Ave	0.3009	0.2922	0.1000	0.00971	0.0100	-2.9	20.0
Cyclohexane	Ave	0.3324	0.3681	0.1000	0.0111	0.0100	10.7	20.0
1,1-Dichloropropene	Ave	0.3640	0.3585		0.00985	0.0100	-1.5	20.0
Carbon tetrachloride	Ave	0.2924	0.3046	0.1000	0.0104	0.0100	4.1	20.0
Isobutyl alcohol	Ave	0.0079	0.0069		0.216	0.250	-13.6	20.0
1,2-Dichloroethane	Ave	0.3372	0.3165	0.1000	0.00939	0.0100	-6.1	20.0
Benzene	Ave	1.102	1.045	0.5000	0.00948	0.0100	-5.2	20.0
n-Heptane	Ave	0.0573	0.0623		0.0109	0.0100	8.8	20.0
Trichloroethene	Ave	0.2747	0.2646	0.1500	0.00963	0.0100	-3.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab Sample ID: ICV 240-226738/14 Calibration Date: 04/20/2016 12:08

Instrument ID: A3UX11 Calib Start Date: 04/20/2016 09:25

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/20/2016 11:18

Lab File ID: UXJ3919.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	0.3130	0.3286	0.1000	0.0105	0.0100	5.0	20.0
1,2-Dichloropropane	Ave	0.2550	0.2450	0.1000	0.00961	0.0100	-3.9	20.0
Dibromomethane	Ave	0.1368	0.1239		0.00905	0.0100	-9.5	20.0
1,4-Dioxane	Ave	0.0013	0.0014		0.209	0.200	4.4	50.0
Bromodichloromethane	Ave	0.2905	0.2754	0.1500	0.00948	0.0100	-5.2	20.0
2-Chloroethyl vinyl ether	Ave	0.1383	0.1237		0.00894	0.0100	-10.6	20.0
cis-1,3-Dichloropropene	Ave	0.3627	0.3502	0.1500	0.00966	0.0100	-3.4	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1664	0.1500	0.0500	0.0180	0.0200	-9.9	20.0
Toluene	Ave	1.913	1.832	0.4000	0.00957	0.0100	-4.3	20.0
trans-1,3-Dichloropropene	Ave	0.5393	0.5082	0.1000	0.00942	0.0100	-5.8	20.0
Ethyl methacrylate	Ave	0.4536	0.4422		0.00975	0.0100	-2.5	20.0
1,1,2-Trichloroethane	Ave	0.3368	0.3069	0.1000	0.00911	0.0100	-8.9	20.0
Tetrachloroethene	Ave	0.3431	0.3250	0.1500	0.00947	0.0100	-5.3	20.0
1,3-Dichloropropane	Ave	0.6387	0.5900		0.00924	0.0100	-7.6	20.0
2-Hexanone	Ave	0.2088	0.1799	0.0500	0.0172	0.0200	-13.9	20.0
Chlorodibromomethane	Ave	0.3313	0.3095		0.00934	0.0100	-6.6	20.0
1,2-Dibromoethane	Ave	0.3044	0.2959		0.00972	0.0100	-2.8	20.0
Chlorobenzene	Ave	1.017	0.9260	0.3000	0.00911	0.0100	-8.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3289	0.3051		0.00928	0.0100	-7.2	20.0
Ethylbenzene	Ave	0.5153	0.5031		0.00976	0.0100	-2.4	20.0
m-Xylene & p-Xylene	Ave	0.6121	0.5846		0.00955	0.0100	-4.5	20.0
o-Xylene	Ave	0.5540	0.5080		0.00917	0.0100	-8.3	20.0
Styrene	Ave	0.9423	0.8833	0.3000	0.00937	0.0100	-6.3	20.0
Bromoform	Ave	0.1416	0.1367	0.1000	0.00965	0.0100	-3.5	20.0
Isopropylbenzene	Ave	1.194	1.136	0.1000	0.00952	0.0100	-4.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7065	0.6338	0.3000	0.00897	0.0100	-10.3	20.0
Bromobenzene	Ave	0.8748	0.7988		0.00913	0.0100	-8.7	20.0
1,2,3-Trichloropropane	Ave	0.2415	0.2268		0.00939	0.0100	-6.1	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1856	0.1635		0.00881	0.0100	-11.9	20.0
N-Propylbenzene	Ave	0.8245	0.7688		0.00933	0.0100	-6.7	20.0
2-Chlorotoluene	Ave	0.7374	0.6723		0.00912	0.0100	-8.8	20.0
1,3,5-Trimethylbenzene	Ave	2.144	2.022		0.00943	0.0100	-5.7	20.0
4-Chlorotoluene	Ave	0.7829	0.7301		0.00933	0.0100	-6.7	20.0
tert-Butylbenzene	Ave	1.803	1.688		0.00936	0.0100	-6.4	20.0
1,2,4-Trimethylbenzene	Ave	2.265	2.082		0.00919	0.0100	-8.1	20.0
sec-Butylbenzene	Ave	2.370	2.197		0.00927	0.0100	-7.3	20.0
1,3-Dichlorobenzene	Ave	1.432	1.293	0.6000	0.00902	0.0100	-9.8	20.0
4-Isopropyltoluene	Ave	2.126	1.968		0.00925	0.0100	-7.5	20.0
1,4-Dichlorobenzene	Ave	1.490	1.346	0.5000	0.00903	0.0100	-9.7	20.0
n-Butylbenzene	Ave	1.732	1.588		0.00917	0.0100	-8.3	20.0
1,2-Dichlorobenzene	Ave	1.394	1.294	0.4000	0.00929	0.0100	-7.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab Sample ID: ICV 240-226738/14 Calibration Date: 04/20/2016 12:08

Instrument ID: A3UX11 Calib Start Date: 04/20/2016 09:25

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/20/2016 11:18

Lab File ID: UXJ3919.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	0.1265	0.1156	0.0500	0.00914	0.0100	-8.6	50.0
1,2,4-Trichlorobenzene	Ave	0.8993	0.7381	0.2000	0.00821	0.0100	-17.9	50.0
Hexachlorobutadiene	Ave	0.4046	0.3227		0.00798	0.0100	-20.2*	20.0
Naphthalene	Ave	1.915	1.563		0.00816	0.0100	-18.4	50.0
1,2,3-Trichlorobenzene	Ave	0.8053	0.6126		0.00761	0.0100	-23.9*	20.0
Dibromofluoromethane (Surr)	Ave	0.2304	0.2593		0.0113	0.0100	12.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2872	0.3152		0.0110	0.0100	9.8	20.0
Toluene-d8 (Surr)	Ave	1.622	1.844		0.0114	0.0100	13.7	20.0
4-Bromofluorobenzene (Surr)	Ave	0.3483	0.3867		0.0111	0.0100	11.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab Sample ID: ICV 240-226738/15 Calibration Date: 04/20/2016 14:47

Instrument ID: A3UX11 Calib Start Date: 04/20/2016 12:31

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/20/2016 14:24

Lab File ID: UXJ3926.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	0.0197	0.0213		0.108	0.100	7.7	20.0
Diisopropyl ether	Ave	0.2267	0.2431		0.0107	0.0100	7.3	20.0
2-Chloro-1,3-butadiene	Ave	0.3888	0.4018		0.0103	0.0100	3.3	20.0
Ethyl tert-butyl ether	Ave	0.6903	0.7169		0.0104	0.0100	3.8	20.0
Ethyl acetate	Ave	0.1764	0.1871		0.0212	0.0200	6.0	50.0
Propionitrile	Ave	0.0243	0.0246		0.101	0.100	1.2	20.0
Methacrylonitrile	Ave	0.1323	0.1358		0.103	0.100	2.7	20.0
Tert-amyl methyl ether	Ave	0.6160	0.6225		0.0101	0.0100	1.1	20.0
n-Butanol	Ave	0.0053	0.0048		0.223	0.250	-10.8	20.0
Methyl methacrylate	Ave	0.1805	0.1852		0.0205	0.0200	2.6	20.0
2-Nitropropane	Ave	0.0409	0.0406		0.0198	0.0200	-0.9	20.0
1-Chlorohexane	Ave	0.4151	0.3997		0.00963	0.0100	-3.7	20.0
Cyclohexanone	Ave	0.0165	0.0166		0.101	0.100	0.8	20.0
1,2,3-Trimethylbenzene	Ave	2.204	2.204		0.0100	0.0100	-0.0	20.0
1,3,5-Trichlorobenzene	Ave	0.9682	0.8891		0.00918	0.0100	-8.2	20.0
2-Methylnaphthalene	Ave	1.247	0.4679		0.00750	0.0200	-62.5*	20.0

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab File ID: BFB6516.D BFB Injection Date: 05/16/2016

Instrument ID: A3UX11 BFB Injection Time: 07:10

Analysis Batch No.: 230444

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	47.2	
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	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	100.3	
175	5.0 - 9.0 % of mass 174	7.4	(7.3) 1
176	95.0 - 101.0 % of mass 174	100.8	(100.5) 1
177	5.0 - 9.0 % of mass 176	6.8	(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
	CCVIS 240-230444/2	UXJ4654.D	05/16/2016	07:37
	LCS 240-230444/4	UXJ4655.D	05/16/2016	07:59
	CCV 240-230444/3	UXJ4656.D	05/16/2016	08:22
	MB 240-230444/6	UXJ4658.D	05/16/2016	09:07
TB-050916	240-64634-26	UXJ4678.D	05/16/2016	16:46

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab Sample ID: CCVIS 240-230444/2 Calibration Date: 05/16/2016 07:37

Instrument ID: A3UX11 Calib Start Date: 04/20/2016 09:25

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/20/2016 11:18

Lab File ID: UXJ4654.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	Ave	0.1736	0.1571	0.1000	0.00905	0.0100	-9.5	20.0
Chloromethane	Ave	0.2332	0.2313	0.1000	0.00992	0.0100	-0.8	20.0
Vinyl chloride	Ave	0.2175	0.1973	0.1000	0.00907	0.0100	-9.3	20.0
Butadiene	Ave	0.2163	0.1801		0.00832	0.0100	-16.8	20.0
Bromomethane	Ave	0.1032	0.1061	0.0500	0.0103	0.0100	2.8	20.0
Chloroethane	Ave	0.1149	0.1201	0.0500	0.0105	0.0100	4.6	20.0
Dichlorofluoromethane	Ave	0.2640	0.2685		0.0102	0.0100	1.7	20.0
Trichlorofluoromethane	Ave	0.1964	0.2100	0.1000	0.0107	0.0100	6.9	20.0
Ethyl ether	Ave	0.2416	0.2331		0.00965	0.0100	-3.5	20.0
Acrolein	Ave	0.0244	0.0288		0.0589	0.0500	17.8	50.0
1,1-Dichloroethene	Ave	0.1933	0.1957	0.1000	0.0101	0.0100	1.2	20.0
1,1,2-Trichlorotrifluoroethane	Ave	0.1194	0.1368	0.0500	0.0115	0.0100	14.6	20.0
Acetone	Qua		0.0610	0.0100	0.0205	0.0200	2.3	50.0
Iodomethane	Ave	0.2630	0.2904		0.0110	0.0100	10.4	20.0
Carbon disulfide	Ave	0.4914	0.5239	0.1000	0.0107	0.0100	6.6	20.0
3-Chloro-1-propene	Ave	0.1606	0.1794		0.0112	0.0100	11.7	20.0
Methyl acetate	Ave	0.1514	0.1338	0.1000	0.0442	0.0500	-11.6	20.0
Methylene Chloride	Lin1		0.2501	0.1000	0.0114	0.0100	14.4	50.0
tert-Butyl alcohol	Qua		0.0097		0.0800	0.100	-20.0	50.0
Acrylonitrile	Ave	0.0764	0.0697		0.0912	0.100	-8.8	20.0
Methyl tert-butyl ether	Ave	0.6769	0.6571	0.1000	0.00971	0.0100	-2.9	20.0
trans-1,2-Dichloroethene	Ave	0.2727	0.2864	0.1000	0.0105	0.0100	5.0	20.0
Hexane	Ave	0.0595	0.0728		0.0122	0.0100	22.4*	20.0
1,1-Dichloroethane	Ave	0.4826	0.4915	0.2000	0.0102	0.0100	1.9	20.0
Vinyl acetate	Ave	0.3993	0.3957		0.00991	0.0100	-0.9	50.0
2-Butanone (MEK)	Qua		0.0763	0.0100	0.0180	0.0200	-9.9	20.0
cis-1,2-Dichloroethene	Ave	0.2836	0.2883	0.1000	0.0102	0.0100	1.6	20.0
2,2-Dichloropropane	Ave	0.2057	0.2155		0.0105	0.0100	4.8	20.0
Bromochloromethane	Ave	0.1310	0.1395		0.0106	0.0100	6.5	20.0
Tetrahydrofuran	Ave	0.0541	0.0440		0.0163	0.0200	-18.6	20.0
Chloroform	Ave	0.4390	0.4415	0.2000	0.0101	0.0100	0.5	20.0
1,1,1-Trichloroethane	Ave	0.3009	0.3114	0.1000	0.0103	0.0100	3.5	20.0
Cyclohexane	Ave	0.3324	0.3380	0.1000	0.0102	0.0100	1.7	20.0
1,1-Dichloropropene	Ave	0.3640	0.3622		0.00995	0.0100	-0.5	20.0
Carbon tetrachloride	Ave	0.2924	0.3044	0.1000	0.0104	0.0100	4.1	20.0
Isobutyl alcohol	Ave	0.0079	0.0060		0.189	0.250	-24.3*	20.0
1,2-Dichloroethane	Ave	0.3372	0.3083	0.1000	0.00914	0.0100	-8.6	20.0
Benzene	Ave	1.102	1.110	0.5000	0.0101	0.0100	0.7	20.0
n-Heptane	Ave	0.0573	0.0639		0.0111	0.0100	11.5	20.0
Trichloroethene	Ave	0.2747	0.2820	0.1500	0.0103	0.0100	2.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab Sample ID: CCVIS 240-230444/2 Calibration Date: 05/16/2016 07:37

Instrument ID: A3UX11 Calib Start Date: 04/20/2016 09:25

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/20/2016 11:18

Lab File ID: UXJ4654.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	0.3130	0.3359	0.1000	0.0107	0.0100	7.3	20.0
1,2-Dichloropropane	Ave	0.2550	0.2519	0.1000	0.00988	0.0100	-1.2	20.0
Dibromomethane	Ave	0.1368	0.1228		0.00897	0.0100	-10.3	20.0
1,4-Dioxane	Ave	0.0013	0.0011		0.166	0.200	-17.1	50.0
Bromodichloromethane	Ave	0.2905	0.2890	0.1500	0.00995	0.0100	-0.5	20.0
2-Chloroethyl vinyl ether	Ave	0.1383	0.1203		0.0174	0.0200	-13.0	20.0
cis-1,3-Dichloropropene	Ave	0.3627	0.3587	0.1500	0.00989	0.0100	-1.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1664	0.1302	0.0500	0.0157	0.0200	-21.7*	20.0
Toluene	Ave	1.913	2.023	0.4000	0.0106	0.0100	5.7	20.0
trans-1,3-Dichloropropene	Ave	0.5393	0.5591	0.1000	0.0104	0.0100	3.7	20.0
Ethyl methacrylate	Ave	0.4536	0.4450		0.00981	0.0100	-1.9	20.0
1,1,2-Trichloroethane	Ave	0.3368	0.3377	0.1000	0.0100	0.0100	0.3	20.0
Tetrachloroethene	Ave	0.3431	0.3835	0.1500	0.0112	0.0100	11.8	20.0
1,3-Dichloropropane	Ave	0.6387	0.6081		0.00952	0.0100	-4.8	20.0
2-Hexanone	Ave	0.2088	0.1756	0.0500	0.0168	0.0200	-15.9	20.0
Chlorodibromomethane	Ave	0.3313	0.3357		0.0101	0.0100	1.3	20.0
1,2-Dibromoethane	Ave	0.3044	0.2956		0.00971	0.0100	-2.9	20.0
Chlorobenzene	Ave	1.017	1.007	0.3000	0.00991	0.0100	-0.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3289	0.3394		0.0103	0.0100	3.2	20.0
Ethylbenzene	Ave	0.5153	0.5217		0.0101	0.0100	1.3	20.0
m-Xylene & p-Xylene	Ave	0.6121	0.6120		0.0100	0.0100	-0.0	20.0
o-Xylene	Ave	0.5540	0.5415		0.00977	0.0100	-2.3	20.0
Styrene	Ave	0.9423	0.9263	0.3000	0.00983	0.0100	-1.7	20.0
Bromoform	Ave	0.1416	0.1342	0.1000	0.00948	0.0100	-5.2	20.0
Isopropylbenzene	Ave	1.194	1.158	0.1000	0.00970	0.0100	-3.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7065	0.5602	0.3000	0.00793	0.0100	-20.7*	20.0
Bromobenzene	Ave	0.8748	0.7976		0.00912	0.0100	-8.8	20.0
1,2,3-Trichloropropane	Ave	0.2415	0.1867		0.00773	0.0100	-22.7*	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1856	0.1240		0.00668	0.0100	-33.2*	20.0
N-Propylbenzene	Ave	0.8245	0.7423		0.00900	0.0100	-10.0	20.0
2-Chlorotoluene	Ave	0.7374	0.6463		0.00876	0.0100	-12.4	20.0
1,3,5-Trimethylbenzene	Ave	2.144	2.062		0.00962	0.0100	-3.8	20.0
4-Chlorotoluene	Ave	0.7829	0.7158		0.00914	0.0100	-8.6	20.0
tert-Butylbenzene	Ave	1.803	1.683		0.00934	0.0100	-6.6	20.0
1,2,4-Trimethylbenzene	Ave	2.265	2.093		0.00924	0.0100	-7.6	20.0
sec-Butylbenzene	Ave	2.370	2.293		0.00967	0.0100	-3.3	20.0
1,3-Dichlorobenzene	Ave	1.432	1.415	0.6000	0.00988	0.0100	-1.2	20.0
4-Isopropyltoluene	Ave	2.126	2.132		0.0100	0.0100	0.3	20.0
1,4-Dichlorobenzene	Ave	1.490	1.443	0.5000	0.00968	0.0100	-3.2	20.0
n-Butylbenzene	Ave	1.732	1.711		0.00988	0.0100	-1.2	20.0
1,2-Dichlorobenzene	Ave	1.394	1.360	0.4000	0.00976	0.0100	-2.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab Sample ID: CCVIS 240-230444/2 Calibration Date: 05/16/2016 07:37

Instrument ID: A3UX11 Calib Start Date: 04/20/2016 09:25

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/20/2016 11:18

Lab File ID: UXJ4654.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	0.1265	0.1011	0.0500	0.00800	0.0100	-20.0	50.0
1,2,4-Trichlorobenzene	Ave	0.8993	0.7812	0.2000	0.00869	0.0100	-13.1	50.0
Hexachlorobutadiene	Ave	0.4046	0.4131		0.0102	0.0100	2.1	20.0
Naphthalene	Ave	1.915	1.338		0.00699	0.0100	-30.1	50.0
1,2,3-Trichlorobenzene	Ave	0.8053	0.6292		0.00781	0.0100	-21.9*	20.0
Dibromofluoromethane (Surr)	Ave	0.2304	0.2205		0.0114	0.0120	-4.3	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2872	0.2517		0.0105	0.0120	-12.4	20.0
Toluene-d8 (Surr)	Ave	1.622	1.613		0.0119	0.0120	-0.5	20.0
4-Bromofluorobenzene (Surr)	Ave	0.3483	0.2998		0.0103	0.0120	-13.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab Sample ID: CCV 240-230444/3 Calibration Date: 05/16/2016 08:22

Instrument ID: A3UX11 Calib Start Date: 04/20/2016 12:31

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/20/2016 14:24

Lab File ID: UXJ4656.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	0.0197	0.0183		0.0925	0.100	-7.5	20.0
Diisopropyl ether	Ave	0.2267	0.2140		0.00944	0.0100	-5.6	20.0
2-Chloro-1,3-butadiene	Ave	0.3888	0.3781		0.00972	0.0100	-2.8	20.0
Ethyl tert-butyl ether	Ave	0.6903	0.6684		0.00968	0.0100	-3.2	20.0
Ethyl acetate	Ave	0.1764	0.1446		0.0164	0.0200	-18.0	50.0
Propionitrile	Ave	0.0243	0.0206		0.0846	0.100	-15.4	20.0
Methacrylonitrile	Ave	0.1323	0.1102		0.0833	0.100	-16.7	20.0
Tert-amyl methyl ether	Ave	0.6160	0.5632		0.00914	0.0100	-8.6	20.0
n-Butanol	Ave	0.0053	0.0034		0.159	0.250	-36.3*	20.0
Methyl methacrylate	Ave	0.1805	0.1459		0.0162	0.0200	-19.2	20.0
2-Nitropropane	Ave	0.0409	0.0325		0.0159	0.0200	-20.6*	20.0
1-Chlorohexane	Ave	0.4151	0.3698		0.00891	0.0100	-10.9	20.0
Cyclohexanone	Ave	0.0165	0.0092		0.0556	0.100	-44.4*	20.0
1,2,3-Trimethylbenzene	Ave	2.204	1.997		0.00906	0.0100	-9.4	20.0
1,3,5-Trichlorobenzene	Ave	0.9682	0.8771		0.00906	0.0100	-9.4	20.0
2-Methylnaphthalene	Ave	1.247	0.2968		0.00476	0.0200	-76.2*	20.0

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab File ID: BFB6518.D BFB Injection Date: 05/18/2016

Instrument ID: A3UX11 BFB Injection Time: 08:31

Analysis Batch No.: 230805

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.8	
75	30.0 - 60.0 % of mass 95	47.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	97.8	
175	5.0 - 9.0 % of mass 174	7.5	(7.7) 1
176	95.0 - 101.0 % of mass 174	95.2	(97.3) 1
177	5.0 - 9.0 % of mass 176	6.1	(6.4) 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 240-230805/2	UXJ4742.D	05/18/2016	08:56
	LCS 240-230805/4	UXJ4743.D	05/18/2016	09:18
	CCV 240-230805/3	UXJ4744.D	05/18/2016	09:41
	MB 240-230805/6	UXJ4746.D	05/18/2016	10:26
TB-051016	240-64678-13	UXJ4766.D	05/18/2016	18:13

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab Sample ID: CCVIS 240-230805/2 Calibration Date: 05/18/2016 08:56

Instrument ID: A3UX11 Calib Start Date: 04/20/2016 09:25

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/20/2016 11:18

Lab File ID: UXJ4742.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	Ave	0.1736	0.1239	0.1000	0.00714	0.0100	-28.6*	20.0
Chloromethane	Ave	0.2332	0.2354	0.1000	0.0101	0.0100	1.0	20.0
Vinyl chloride	Ave	0.2175	0.1875	0.1000	0.00862	0.0100	-13.8	20.0
Butadiene	Ave	0.2163	0.1837		0.00849	0.0100	-15.1	20.0
Bromomethane	Ave	0.1032	0.1043	0.0500	0.0101	0.0100	1.1	20.0
Chloroethane	Ave	0.1149	0.1185	0.0500	0.0103	0.0100	3.1	20.0
Dichlorofluoromethane	Ave	0.2640	0.2852		0.0108	0.0100	8.1	20.0
Trichlorofluoromethane	Ave	0.1964	0.1813	0.1000	0.00923	0.0100	-7.7	20.0
Ethyl ether	Ave	0.2416	0.2415		0.0100	0.0100	-0.0	20.0
Acrolein	Ave	0.0244	0.0348		0.0711	0.0500	42.2	50.0
1,1-Dichloroethene	Ave	0.1933	0.2023	0.1000	0.0105	0.0100	4.6	20.0
1,1,2-Trichlorotrifluoroethane	Ave	0.1194	0.1268	0.0500	0.0106	0.0100	6.2	20.0
Acetone	Qua		0.0683	0.0100	0.0237	0.0200	18.5	50.0
Iodomethane	Ave	0.2630	0.2849		0.0108	0.0100	8.3	20.0
Carbon disulfide	Ave	0.4914	0.4904	0.1000	0.00998	0.0100	-0.2	20.0
3-Chloro-1-propene	Ave	0.1606	0.1797		0.0112	0.0100	11.8	20.0
Methyl acetate	Ave	0.1514	0.1312	0.1000	0.0433	0.0500	-13.3	20.0
Methylene Chloride	Lin1		0.2568	0.1000	0.0118	0.0100	17.8	50.0
tert-Butyl alcohol	Qua		0.0096		0.0787	0.100	-21.3	50.0
Acrylonitrile	Ave	0.0764	0.0678		0.0887	0.100	-11.3	20.0
Methyl tert-butyl ether	Ave	0.6769	0.6479	0.1000	0.00957	0.0100	-4.3	20.0
trans-1,2-Dichloroethene	Ave	0.2727	0.2879	0.1000	0.0106	0.0100	5.6	20.0
Hexane	Ave	0.0595	0.0585		0.00983	0.0100	-1.7	20.0
1,1-Dichloroethane	Ave	0.4826	0.4921	0.2000	0.0102	0.0100	2.0	20.0
Vinyl acetate	Ave	0.3993	0.3802		0.00952	0.0100	-4.8	50.0
2-Butanone (MEK)	Qua		0.0733	0.0100	0.0172	0.0200	-14.0	20.0
cis-1,2-Dichloroethene	Ave	0.2836	0.2991	0.1000	0.0105	0.0100	5.4	20.0
2,2-Dichloropropane	Ave	0.2057	0.2097		0.0102	0.0100	1.9	20.0
Bromochloromethane	Ave	0.1310	0.1432		0.0109	0.0100	9.3	20.0
Tetrahydrofuran	Ave	0.0541	0.0439		0.0163	0.0200	-18.7	20.0
Chloroform	Ave	0.4390	0.4454	0.2000	0.0101	0.0100	1.5	20.0
1,1,1-Trichloroethane	Ave	0.3009	0.3085	0.1000	0.0103	0.0100	2.5	20.0
Cyclohexane	Ave	0.3324	0.3050	0.1000	0.00918	0.0100	-8.2	20.0
1,1-Dichloropropene	Ave	0.3640	0.3553		0.00976	0.0100	-2.4	20.0
Carbon tetrachloride	Ave	0.2924	0.2979	0.1000	0.0102	0.0100	1.9	20.0
Isobutyl alcohol	Ave	0.0079	0.0060		0.188	0.250	-24.8*	20.0
1,2-Dichloroethane	Ave	0.3372	0.3157	0.1000	0.00936	0.0100	-6.4	20.0
Benzene	Ave	1.102	1.134	0.5000	0.0103	0.0100	3.0	20.0
n-Heptane	Ave	0.0573	0.0528		0.00922	0.0100	-7.8	20.0
Trichloroethene	Ave	0.2747	0.2860	0.1500	0.0104	0.0100	4.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab Sample ID: CCVIS 240-230805/2 Calibration Date: 05/18/2016 08:56

Instrument ID: A3UX11 Calib Start Date: 04/20/2016 09:25

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/20/2016 11:18

Lab File ID: UXJ4742.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	0.3130	0.2915	0.1000	0.00931	0.0100	-6.9	20.0
1,2-Dichloropropane	Ave	0.2550	0.2570	0.1000	0.0101	0.0100	0.8	20.0
Dibromomethane	Ave	0.1368	0.1250		0.00914	0.0100	-8.6	20.0
1,4-Dioxane	Ave	0.0013	0.0012		0.181	0.200	-9.5	50.0
Bromodichloromethane	Ave	0.2905	0.2951	0.1500	0.0102	0.0100	1.6	20.0
2-Chloroethyl vinyl ether	Ave	0.1383	0.1189		0.0172	0.0200	-14.0	20.0
cis-1,3-Dichloropropene	Ave	0.3627	0.3624	0.1500	0.00999	0.0100	-0.0	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1664	0.1286	0.0500	0.0155	0.0200	-22.7*	20.0
Toluene	Ave	1.913	2.061	0.4000	0.0108	0.0100	7.7	20.0
trans-1,3-Dichloropropene	Ave	0.5393	0.5452	0.1000	0.0101	0.0100	1.1	20.0
Ethyl methacrylate	Ave	0.4536	0.4299		0.00948	0.0100	-5.2	20.0
1,1,2-Trichloroethane	Ave	0.3368	0.3341	0.1000	0.00992	0.0100	-0.8	20.0
Tetrachloroethene	Ave	0.3431	0.3918	0.1500	0.0114	0.0100	14.2	20.0
1,3-Dichloropropane	Ave	0.6387	0.6197		0.00970	0.0100	-3.0	20.0
2-Hexanone	Ave	0.2088	0.1643	0.0500	0.0157	0.0200	-21.3*	20.0
Chlorodibromomethane	Ave	0.3313	0.3061		0.00924	0.0100	-7.6	20.0
1,2-Dibromoethane	Ave	0.3044	0.2967		0.00975	0.0100	-2.5	20.0
Chlorobenzene	Ave	1.017	1.030	0.3000	0.0101	0.0100	1.3	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3289	0.3435		0.0104	0.0100	4.4	20.0
Ethylbenzene	Ave	0.5153	0.5433		0.0105	0.0100	5.4	20.0
m-Xylene & p-Xylene	Ave	0.6121	0.6320		0.0103	0.0100	3.3	20.0
o-Xylene	Ave	0.5540	0.5568		0.0100	0.0100	0.5	20.0
Styrene	Ave	0.9423	0.9629	0.3000	0.0102	0.0100	2.2	20.0
Bromoform	Ave	0.1416	0.1108	0.1000	0.00783	0.0100	-21.7*	20.0
Isopropylbenzene	Ave	1.194	1.217	0.1000	0.0102	0.0100	1.9	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7065	0.5234	0.3000	0.00741	0.0100	-25.9*	20.0
Bromobenzene	Ave	0.8748	0.8306		0.00950	0.0100	-5.0	20.0
1,2,3-Trichloropropane	Ave	0.2415	0.1685		0.00698	0.0100	-30.2*	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1856	0.1041		0.00561	0.0100	-43.9*	20.0
N-Propylbenzene	Ave	0.8245	0.7604		0.00922	0.0100	-7.8	20.0
2-Chlorotoluene	Ave	0.7374	0.6753		0.00916	0.0100	-8.4	20.0
1,3,5-Trimethylbenzene	Ave	2.144	2.111		0.00985	0.0100	-1.5	20.0
4-Chlorotoluene	Ave	0.7829	0.7234		0.00924	0.0100	-7.6	20.0
tert-Butylbenzene	Ave	1.803	1.748		0.00970	0.0100	-3.0	20.0
1,2,4-Trimethylbenzene	Ave	2.265	2.248		0.00992	0.0100	-0.8	20.0
sec-Butylbenzene	Ave	2.370	2.380		0.0100	0.0100	0.4	20.0
1,3-Dichlorobenzene	Ave	1.432	1.470	0.6000	0.0103	0.0100	2.6	20.0
4-Isopropyltoluene	Ave	2.126	2.179		0.0102	0.0100	2.5	20.0
1,4-Dichlorobenzene	Ave	1.490	1.469	0.5000	0.00986	0.0100	-1.4	20.0
n-Butylbenzene	Ave	1.732	1.762		0.0102	0.0100	1.7	20.0
1,2-Dichlorobenzene	Ave	1.394	1.414	0.4000	0.0101	0.0100	1.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab Sample ID: CCVIS 240-230805/2 Calibration Date: 05/18/2016 08:56

Instrument ID: A3UX11 Calib Start Date: 04/20/2016 09:25

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/20/2016 11:18

Lab File ID: UXJ4742.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	0.1265	0.0890	0.0500	0.00703	0.0100	-29.7	50.0
1,2,4-Trichlorobenzene	Ave	0.8993	0.7950	0.2000	0.00884	0.0100	-11.6	50.0
Hexachlorobutadiene	Ave	0.4046	0.4098		0.0101	0.0100	1.3	20.0
Naphthalene	Ave	1.915	1.322		0.00690	0.0100	-31.0	50.0
1,2,3-Trichlorobenzene	Ave	0.8053	0.6479		0.00805	0.0100	-19.5	20.0
Dibromofluoromethane (Surr)	Ave	0.2304	0.2124		0.0110	0.0120	-7.8	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2872	0.2511		0.0105	0.0120	-12.6	20.0
Toluene-d8 (Surr)	Ave	1.622	1.562		0.0115	0.0120	-3.7	20.0
4-Bromofluorobenzene (Surr)	Ave	0.3483	0.2942		0.0101	0.0120	-15.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab Sample ID: CCV 240-230805/3 Calibration Date: 05/18/2016 09:41

Instrument ID: A3UX11 Calib Start Date: 04/20/2016 12:31

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/20/2016 14:24

Lab File ID: UXJ4744.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	0.0197	0.0185		0.0939	0.100	-6.1	20.0
Diisopropyl ether	Ave	0.2267	0.2316		0.0102	0.0100	2.2	20.0
2-Chloro-1,3-butadiene	Ave	0.3888	0.3896		0.0100	0.0100	0.2	20.0
Ethyl tert-butyl ether	Ave	0.6903	0.6732		0.00975	0.0100	-2.5	20.0
Ethyl acetate	Ave	0.1764	0.1437		0.0163	0.0200	-18.5	50.0
Propionitrile	Ave	0.0243	0.0210		0.0864	0.100	-13.6	20.0
Methacrylonitrile	Ave	0.1323	0.1136		0.0859	0.100	-14.1	20.0
Tert-amyl methyl ether	Ave	0.6160	0.5791		0.00940	0.0100	-6.0	20.0
n-Butanol	Ave	0.0053	0.0035		0.162	0.250	-35.4*	20.0
Methyl methacrylate	Ave	0.1805	0.1492		0.0165	0.0200	-17.3	20.0
2-Nitropropane	Ave	0.0409	0.0327		0.0160	0.0200	-20.1*	20.0
1-Chlorohexane	Ave	0.4151	0.3447		0.00830	0.0100	-17.0	20.0
Cyclohexanone	Ave	0.0165	0.0096		0.0583	0.100	-41.7*	20.0
1,2,3-Trimethylbenzene	Ave	2.204	2.074		0.00941	0.0100	-5.9	20.0
1,3,5-Trichlorobenzene	Ave	0.9682	0.9371		0.00968	0.0100	-3.2	20.0
2-Methylnaphthalene	Ave	1.247	0.3179		0.00510	0.0200	-74.5*	20.0

COVER PAGE
METALS

Lab Name: TestAmerica Canton Job Number: 240-64634-1

SDG No.:

Project: DRA Tree Tissue

Client Sample ID	Lab Sample ID
DR-TG4S-050916	240-64634-1
DR-TG4N-050916	240-64634-2
DR-TG5N-050916	240-64634-3
DR-TG5S-050916	240-64634-4
DR-TG6N-050916	240-64634-5
DR-TG6S-050916	240-64634-6
DR-TL1N-050916	240-64634-7
DR-TL1S-050916	240-64634-8
DR-TLDUP1-050916	240-64634-9
DR-TL4N-050916	240-64634-10
DR-TL4S-050916	240-64634-11
DR-TLDUP2-050916	240-64634-12
DR-TL10S-050916	240-64634-13
DR-TL10N-050916	240-64634-14
DR-TL9N-050916	240-64634-15
DR-TL9S-050916	240-64634-16
DR-TL12N-050916	240-64634-17
DR-TL12S-050916	240-64634-18
DR-TL6N-050916	240-64634-19
DR-TL6S-050916	240-64634-20
DR-TL2N-050916	240-64634-21
DR-TL2S-050916	240-64634-22
DR-TLDUP3-050916	240-64634-23
DR-TL18N-050916	240-64634-24
DR-TL18S-050916	240-64634-25
DR-TL3N-051016	240-64678-1
DR-TL3S-051016	240-64678-2
DR-TL11N-051016	240-64678-3
DR-TL11S-051016	240-64678-4
DR-TL13N-051016	240-64678-5
DR-TL13S-051016	240-64678-6
DR-TL14N-051016	240-64678-7
DR-TL14S-051016	240-64678-8
DR-TL15N-051016	240-64678-9
DR-TL15S-051016	240-64678-10
DR-TL16N-051016	240-64678-11
DR-TL16S-051016	240-64678-12

Comments:

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-64634-1

SDG Number:

Matrix: Solid Instrument ID: I9

Method: 6010C MDL Date: 09/09/2014 14:47

Prep Method: 3050B

Processed Method: Part Size Red

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Antimony	206.838	2	0.48
Arsenic	189.042	1.5	0.41
Beryllium	313.042	0.5	0.026
Cadmium	226.502	0.5	0.021
Chromium	267.716	1	0.075
Copper	324.753	2.5	0.23
Lead	220.353	1	0.022
Nickel	231.604	4	0.08
Selenium	196.026	2	0.34
Silver	328.068	1	0.063
Thallium	190.864	2	0.13
Zinc	213.856	5	0.56

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-64634-1

SDG Number:

Matrix: Solid Instrument ID: I9

Method: 6010C XMDL Date: 05/06/2016 13:50

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Antimony	206.838	20	3.1
Arsenic	189.042	15	3.3
Beryllium	313.042	5	0.21
Cadmium	226.502	5	0.29
Chromium	267.716	10	0.55
Copper	324.753	25	3.9
Lead	220.353	10	1.9
Nickel	231.604	40	1.6
Selenium	196.026	20	5.1
Silver	328.068	10	0.92
Thallium	190.864	20	2.1
Zinc	213.856	50	16

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-64634-1

SDG Number:

Matrix: Solid Instrument ID: H1

Method: 7471A MDL Date: 09/17/2014 14:20

Prep Method: 7471A

Processed Method: Part Size Red

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Mercury	253.7	0.1	0.014

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-64634-1

SDG Number:

Matrix: Solid Instrument ID: H1

Method: 7471A XMDL Date: 09/17/2014 14:15

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury	253.7	0.6	0.09

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Canton Job Number: 240-64634-1

SDG No.:

ICP-AES Instrument ID: I9 Date: 02/23/2016

Analyte	Wave Length	Al	As	Ca	Co	Cr	Cu	Fe	Mn	Mo	Ni	Si	Ti	Tl	V
Aluminum										0.016774					0.022189
Antimony		-0.000066			0.000057			-0.000015							0.002792
Arsenic		0.00002			-0.000415	0.000782			-0.000355	0.002551					
Barium															
Beryllium															0.000029
Boron															
Cadmium			0.010288					-0.000004							
Calcium															
Chromium															
Cobalt													0.002140		
Copper				0.000018	0.000199			0.000009							
Iron															
Lead		-0.000108					0.000101	0.000044			0.000131	0.000064			
Lithium															
Magnesium															
Manganese															
Molybdenum															
Nickel					0.000518			0.000057							
Potassium															
Selenium		-0.000013							0.000338						
Silver															
Sodium															
Strontium															
Thallium		0.000012			0.003074			-0.000019	-0.002934						0.001707
Tin															
Titanium															
Vanadium								0.000038							
Zinc						-0.001092									

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Canton Job No: 240-64634-1

SDG No.:

Instrument ID: I9 Date: 02/25/2016 13:19

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Antimony		10000	6010C
Arsenic		5000	6010C
Beryllium		4000	6010C
Cadmium		2000	6010C
Chromium		20000	6010C
Copper		30000	6010C
Nickel		30000	6010C
Lead		15000	6010C
Selenium		10000	6010C
Thallium		10000	6010C
Zinc		10000	6010C
Silver		2000	6010C

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Canton Job No: 240-64634-1

SDG No.:

Instrument ID: H1 Date: 12/10/2013 15:54

Analyte	Integ. Time (Sec.)	Concentration (ppb)	Method
Mercury		10	7471A

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 05/13/2016 09:18 End Date: 05/14/2016 05:48

Lab Sample Id	D/F	Type	Time	Analytes																									
				Ag	As	Be	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl	Zn															
ICIS 240-230257/1	1		09:18	X	X	X	X	X	X	X	X	X	X	X	X														
CALSTD 240-230257/2 IC			09:22	X	X	X	X	X	X	X	X	X	X	X	X														
CALSTD 240-230257/3 IC			09:26	X	X	X	X	X	X	X	X	X	X	X	X														
ICV 240-230257/4	1		09:30	X	X	X	X	X	X	X	X	X	X	X	X														
ICB 240-230257/5	1		09:34	X	X	X	X	X	X	X	X	X	X	X	X														
CRI 240-230257/6			09:38																										
ZZZZZZ			09:42																										
ICSA 240-230257/8	1		09:46	X	X	X	X	X	X	X	X	X	X	X	X														
ICSAB 240-230257/9	1		09:50	X	X	X	X	X	X	X	X	X	X	X	X														
CCV 240-230257/10			09:54																										
CCB 240-230257/11			09:58																										
ZZZZZZ			10:02																										
ZZZZZZ			10:06																										
ZZZZZZ			10:10																										
ZZZZZZ			10:15																										
ZZZZZZ			10:19																										
ZZZZZZ			10:23																										
CCV 240-230257/18			10:28																										
CCB 240-230257/19			10:31																										
CRI 240-230257/20	1		10:36	X	X	X	X	X	X	X	X	X	X	X	X														
ZZZZZZ			10:40																										
ZZZZZZ			10:44																										
ZZZZZZ			10:48																										
ZZZZZZ			10:52																										
ZZZZZZ			10:56																										
ZZZZZZ			11:00																										
ZZZZZZ			11:04																										
ZZZZZZ			11:08																										
ZZZZZZ			11:12																										
CCV 240-230257/30			11:16																										
CCB 240-230257/31			11:20																										
ZZZZZZ			11:24																										
CCV 240-230257/33	1		11:28	X	X	X	X	X	X	X	X	X	X	X	X														
CCB 240-230257/34	1		11:32	X	X	X	X	X	X	X	X	X	X	X	X														
ZZZZZZ			11:37																										
ZZZZZZ			11:41																										
ZZZZZZ			11:45																										
ZZZZZZ			11:49																										
ZZZZZZ			11:53																										
ZZZZZZ			11:57																										
ZZZZZZ			12:02																										
ZZZZZZ			12:06																										

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 05/13/2016 09:18 End Date: 05/14/2016 05:48

Lab Sample Id	D/F	Type	Time	Analytes																									
				Ag	As	Be	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl	Zn															
MB 240-230062/1-A	1	T	12:10	X	X	X	X	X	X	X	X	X	X	X	X															
LCS 240-230062/2-A	1	T	12:14	X	X	X	X	X	X	X	X	X	X	X	X															
CCV 240-230257/45	1		12:18	X	X	X	X	X	X	X	X	X	X	X	X															
CCB 240-230257/46	1		12:22	X	X	X	X	X	X	X	X	X	X	X	X															
ZZZZZZ			12:26																										
ZZZZZZ			12:30																										
ZZZZZZ			12:34																										
ZZZZZZ			12:38																										
ZZZZZZ			12:42																										
ZZZZZZ			12:46																										
ZZZZZZ			12:50																										
ZZZZZZ			12:54																										
240-64634-1	1	T	12:59	X	X	X	X	X	X	X	X	X	X	X	X															
240-64634-2	1	T	13:03	X	X	X	X	X	X	X	X	X	X	X	X															
CCV 240-230257/57	1		13:07	X	X	X	X	X	X	X	X	X	X	X	X															
CCB 240-230257/58	1		13:11	X	X	X	X	X	X	X	X	X	X	X	X															
240-64634-3	1	T	13:15	X	X	X	X	X	X	X	X	X	X	X	X															
240-64634-4	1	T	13:19	X	X	X	X	X	X	X	X	X	X	X	X															
240-64634-5	1	T	13:23	X	X	X	X	X	X	X	X	X	X	X	X															
240-64634-6	1	T	13:28	X	X	X	X	X	X	X	X	X	X	X	X															
240-64634-7	1	T	13:32	X	X	X	X	X	X	X	X	X	X	X	X															
240-64634-8	1	T	13:36	X	X	X	X	X	X	X	X	X	X	X	X															
CCV 240-230257/65	1		13:40	X	X	X	X	X	X	X	X	X	X	X	X															
CCB 240-230257/66	1		13:44	X	X	X	X	X	X	X	X	X	X	X	X															
CRI 240-230257/67	1		13:48	X	X	X	X	X	X	X	X	X	X	X	X															
ZZZZZZ			13:52																										
CCV 240-230257/69			13:57																										
CCB 240-230257/70			14:01																										
ZZZZZZ			14:05																										
ZZZZZZ			14:09																										
ZZZZZZ			14:13																										
ZZZZZZ			14:17																										
ZZZZZZ			14:21																										
ZZZZZZ			14:25																										
ZZZZZZ			14:29																										
CRI 240-230257/78			14:33																										
ZZZZZZ			14:37																										
ZZZZZZ			14:42																										
CCV 240-230257/81			14:46																										
CCB 240-230257/82			14:50																										
ZZZZZZ			14:54																										
ZZZZZZ			14:58																										

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 05/13/2016 09:18 End Date: 05/14/2016 05:48

Lab Sample Id	D/F	Type	Time	Analytes																								
				Ag	As	Be	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl	Zn														
ZZZZZZ			15:02																									
ZZZZZZ			15:07																									
ZZZZZZ			15:11																									
ZZZZZZ			15:15																									
ZZZZZZ			15:19																									
ZZZZZZ			15:23																									
ZZZZZZ			15:27																									
ZZZZZZ			15:31																									
CCV 240-230257/93			15:35																									
CCB 240-230257/94			15:39																									
ZZZZZZ			15:43																									
ZZZZZZ			15:47																									
ZZZZZZ			15:51																									
ZZZZZZ			15:55																									
ZZZZZZ			15:59																									
ZZZZZZ			16:03																									
ZZZZZZ			16:08																									
ZZZZZZ			16:12																									
ZZZZZZ			16:16																									
ZZZZZZ			16:20																									
CCV 240-230257/105			16:24																									
CCB 240-230257/106			16:28																									
ZZZZZZ			16:32																									
ZZZZZZ			16:36																									
ZZZZZZ			16:40																									
ZZZZZZ			16:44																									
ZZZZZZ			16:49																									
ZZZZZZ			16:53																									
ZZZZZZ			16:57																									
ZZZZZZ			17:02																									
ZZZZZZ			17:06																									
ZZZZZZ			17:10																									
CCV 240-230257/117			17:15																									
CCB 240-230257/118			17:19																									
ZZZZZZ			17:23																									
ZZZZZZ			17:27																									
ZZZZZZ			17:31																									
ZZZZZZ			17:35																									
ZZZZZZ			17:39																									
ZZZZZZ			17:43																									
ZZZZZZ			17:48																									
ZZZZZZ			17:52																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 05/13/2016 09:18 End Date: 05/14/2016 05:48

Lab Sample Id	D/F	Type	Time	Analytes																								
				Ag	As	Be	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl	Zn														
ZZZZZZ			17:56																									
ZZZZZZ			18:00																									
CCV 240-230257/129			18:04																									
CCB 240-230257/130			18:08																									
ZZZZZZ			18:12																									
ZZZZZZ			18:16																									
ZZZZZZ			18:20																									
ZZZZZZ			18:24																									
ZZZZZZ			18:28																									
ZZZZZZ			18:32																									
ZZZZZZ			18:37																									
ZZZZZZ			18:40																									
ZZZZZZ			18:45																									
ZZZZZZ			18:49																									
CCV 240-230257/141			18:53																									
CCB 240-230257/142			18:57																									
ZZZZZZ			19:01																									
ZZZZZZ			19:05																									
ZZZZZZ			19:09																									
ZZZZZZ			19:13																									
ZZZZZZ			19:18																									
ZZZZZZ			19:22																									
ZZZZZZ			19:26																									
ZZZZZZ			19:30																									
ZZZZZZ			19:34																									
ZZZZZZ			19:38																									
CCV 240-230257/153			19:42																									
CCB 240-230257/154			19:46																									
ZZZZZZ			19:50																									
ZZZZZZ			19:55																									
ZZZZZZ			19:59																									
ZZZZZZ			20:03																									
ZZZZZZ			20:07																									
ZZZZZZ			20:11																									
ZZZZZZ			20:15																									
ZZZZZZ			20:19																									
ZZZZZZ			20:23																									
ZZZZZZ			20:27																									
CCV 240-230257/165			20:31																									
CCB 240-230257/166			20:35																									
ZZZZZZ			20:39																									
ZZZZZZ			20:43																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 05/13/2016 09:18 End Date: 05/14/2016 05:48

Lab Sample Id	D/F	Type	Time	Analytes																								
				Ag	As	Be	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl	Zn														
ZZZZZZ			20:47																									
ZZZZZZ			20:50																									
ZZZZZZ			20:54																									
ZZZZZZ			20:58																									
ZZZZZZ			21:02																									
ZZZZZZ			21:06																									
ZZZZZZ			21:10																									
ZZZZZZ			21:15																									
CCV 240-230257/177			21:19																									
CCB 240-230257/178			21:23																									
ZZZZZZ			21:27																									
ZZZZZZ			21:31																									
ZZZZZZ			21:35																									
ZZZZZZ			21:39																									
ZZZZZZ			21:43																									
ZZZZZZ			21:47																									
ZZZZZZ			21:52																									
ZZZZZZ			21:55																									
ZZZZZZ			21:59																									
ZZZZZZ			22:04																									
CCV 240-230257/189			22:08																									
CCB 240-230257/190			22:11																									
ZZZZZZ			22:16																									
ZZZZZZ			22:19																									
ZZZZZZ			22:23																									
ZZZZZZ			22:28																									
ZZZZZZ			22:32																									
ZZZZZZ			22:36																									
ZZZZZZ			22:40																									
ZZZZZZ			22:44																									
ZZZZZZ			22:48																									
ZZZZZZ			22:52																									
CCV 240-230257/201			22:56																									
CCB 240-230257/202			23:00																									
ZZZZZZ			23:04																									
ZZZZZZ			23:08																									
ZZZZZZ			23:12																									
ZZZZZZ			23:16																									
ZZZZZZ			23:20																									
ZZZZZZ			23:24																									
ZZZZZZ			23:29																									
ZZZZZZ			23:33																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 05/13/2016 09:18 End Date: 05/14/2016 05:48

Lab Sample Id	D/F	Type	Time	Analytes																								
				Ag	As	Be	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl	Zn														
ZZZZZZ			23:37																									
ZZZZZZ			23:41																									
CCV 240-230257/213			23:46																									
CCB 240-230257/214			23:49																									
ZZZZZZ			23:54																									
ZZZZZZ			23:58																									
ZZZZZZ			00:02																									
ZZZZZZ			00:07																									
ZZZZZZ			00:11																									
ZZZZZZ			00:15																									
ZZZZZZ			00:19																									
ZZZZZZ			00:23																									
ZZZZZZ			00:28																									
ZZZZZZ			00:32																									
CCV 240-230257/225			00:37																									
CCB 240-230257/226			00:41																									
ZZZZZZ			00:45																									
ZZZZZZ			00:49																									
ZZZZZZ			00:53																									
ZZZZZZ			00:57																									
ZZZZZZ			01:01																									
ZZZZZZ			01:06																									
ZZZZZZ			01:10																									
ZZZZZZ			01:14																									
ZZZZZZ			01:18																									
ZZZZZZ			01:22																									
CCV 240-230257/237			01:26																									
CCB 240-230257/238			01:30																									
ZZZZZZ			01:34																									
ZZZZZZ			01:39																									
ZZZZZZ			01:43																									
ZZZZZZ			01:47																									
ZZZZZZ			01:51																									
ZZZZZZ			01:55																									
ZZZZZZ			01:59																									
ZZZZZZ			02:03																									
ZZZZZZ			02:08																									
ZZZZZZ			02:12																									
CCV 240-230257/249			02:16																									
CCB 240-230257/250			02:19																									
ZZZZZZ			02:24																									
ZZZZZZ			02:28																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 05/13/2016 09:18 End Date: 05/14/2016 05:48

Lab Sample Id	D/F	Type	Time	Analytes																								
				Ag	As	Be	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl	Zn														
ZZZZZZ			02:32																									
ZZZZZZ			02:36																									
ZZZZZZ			02:40																									
ZZZZZZ			02:44																									
ZZZZZZ			02:48																									
ZZZZZZ			02:52																									
ZZZZZZ			02:56																									
ZZZZZZ			03:00																									
CCV 240-230257/261			03:04																									
CCB 240-230257/262			03:08																									
ZZZZZZ			03:12																									
ZZZZZZ			03:16																									
ZZZZZZ			03:20																									
ZZZZZZ			03:24																									
ZZZZZZ			03:28																									
ZZZZZZ			03:32																									
ZZZZZZ			03:37																									
ZZZZZZ			03:40																									
ZZZZZZ			03:45																									
ZZZZZZ			03:49																									
CCV 240-230257/273			03:53																									
CCB 240-230257/274			03:57																									
ZZZZZZ			04:01																									
ZZZZZZ			04:05																									
ZZZZZZ			04:09																									
ZZZZZZ			04:14																									
ZZZZZZ			04:18																									
ZZZZZZ			04:22																									
ZZZZZZ			04:26																									
ZZZZZZ			04:30																									
ZZZZZZ			04:34																									
ZZZZZZ			04:38																									
CCV 240-230257/285			04:43																									
CCB 240-230257/286			04:46																									
ZZZZZZ			04:51																									
ZZZZZZ			04:54																									
ZZZZZZ			04:59																									
ZZZZZZ			05:03																									
ZZZZZZ			05:07																									
ZZZZZZ			05:11																									
ZZZZZZ			05:15																									
ZZZZZZ			05:19																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 05/13/2016 09:18 End Date: 05/14/2016 05:48

Lab Sample Id	D/F	Type	Time	Analytes																									
				Ag	As	Be	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl	Zn															
ZZZZZZ			05:24																										
ZZZZZZ			05:28																										
CCV 240-230257/297			05:32																										
CCB 240-230257/298			05:36																										
ZZZZZZ			05:40																										
CCV 240-230257/300			05:44																										
CCB 240-230257/301			05:48																										

Prep Types:
T = Total/NA

FORM XIII-IN

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

ICV Source: MT6500ICV_00031 Concentration Units: ug/L

CCV Source: MTICPCCV_00071

Analyte	ICV 240-230257/4 05/13/2016 09:30				CCV 240-230257/33 05/13/2016 11:28				CCV 240-230257/45 05/13/2016 12:18			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	378		375	101	488		500	98	498		500	100
Arsenic	381		375	102	498		500	100	499		500	100
Beryllium	1510		1500	100	1930		2000	97	1930		2000	96
Cadmium	377		375	101	485		500	97	490		500	98
Chromium	1490		1500	99	1960		2000	98	1990		2000	99
Copper	1500		1500	100	1990		2000	99	2000		2000	100
Lead	370		375	99	481		500	96	485		500	97
Nickel	1510		1500	100	1970		2000	99	1990		2000	100
Selenium	379		375	101	494		500	99	499		500	100
Silver	760		750	101	1020		1000	102	1020		1000	102
Thallium	747		750	100	986		1000	99	1000		1000	100
Zinc	1530		1500	102	2000		2000	100	2030		2000	102

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.: 240-64634-1

SDG No.:

ICV Source: MT6500ICV_00031 Concentration Units: ug/L

CCV Source: MTICPCCV_00071

Analyte	CCV 240-230257/57 05/13/2016 13:07				CCV 240-230257/65 05/13/2016 13:40							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	485		500	97	496		500	99				
Arsenic	500		500	100	501		500	100				
Beryllium	1950		2000	98	1920		2000	96				
Cadmium	482		500	96	487		500	97				
Chromium	1980		2000	99	1990		2000	100				
Copper	2010		2000	101	2010		2000	100				
Lead	485		500	97	485		500	97				
Nickel	1970		2000	98	1990		2000	100				
Selenium	495		500	99	501		500	100				
Silver	1040		1000	104	1030		1000	103				
Thallium	987		1000	99	1000		1000	100				
Zinc	2000		2000	100	2040		2000	102				

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.: 240-64634-1

SDG No.:

Method: 6010C Instrument ID: I9

Lab Sample ID: CRI 240-230257/20 Concentration Units: ug/L

CRQL Check Standard Source: MTTRCRIC_00035

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	20.0	21.0		105	70-130
Arsenic	15.0	15.6		104	70-130
Beryllium	5.00	4.94	J	99	70-130
Cadmium	5.00	5.08		102	70-130
Chromium	10.0	10.4		104	70-130
Copper	20.0	19.7	J	99	70-130
Nickel	40.0	39.6	J	99	70-130
Lead	10.0	10.5		105	70-130
Selenium	20.0	19.0	J	95	70-130
Thallium	20.0	18.3	J	92	70-130
Zinc	50.0	49.6	J	99	70-130
Silver	10.0	10.5		105	70-130

Lab Sample ID: CRI 240-230257/67 Concentration Units: ug/L

CRQL Check Standard Source: MTTRCRIC_00035

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	20.0	20.4		102	70-130
Arsenic	15.0	15.4		103	70-130
Beryllium	5.00	4.98	J	100	70-130
Cadmium	5.00	4.86	J	97	70-130
Chromium	10.0	10.2		102	70-130
Copper	20.0	19.6	J	98	70-130
Nickel	40.0	40.0		100	70-130
Lead	10.0	9.76	J	98	70-130
Selenium	20.0	20.9		105	70-130
Thallium	20.0	18.8	J	94	70-130
Zinc	50.0	50.7		101	70-130
Silver	10.0	10.7		107	70-130

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 240-230257/5 05/13/2016 09:34		CCB 240-230257/34 05/13/2016 11:32		CCB 240-230257/46 05/13/2016 12:22		CCB 240-230257/58 05/13/2016 13:11	
		Found	C	Found	C	Found	C	Found	C
Antimony	20	3.1	U	3.1	U	3.1	U	3.1	U
Arsenic	15	3.3	U	3.3	U	3.3	U	3.3	U
Beryllium	5.0	0.21	U	0.21	U	0.21	U	0.21	U
Cadmium	5.0	0.29	U	0.29	U	0.29	U	0.29	U
Chromium	10	0.55	U	0.55	U	0.55	U	0.55	U
Copper	25	3.9	U	3.9	U	3.9	U	3.9	U
Lead	10	1.9	U	1.9	U	1.9	U	1.9	U
Nickel	40	1.6	U	1.6	U	1.6	U	1.6	U
Selenium	20	5.1	U	5.1	U	5.1	U	5.1	U
Silver	10	0.92	U	0.92	U	0.92	U	0.92	U
Thallium	20	2.1	U	2.1	U	2.1	U	2.1	U
Zinc	50	16	U	16	U	16	U	16	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 240-230257/66 05/13/2016 13:44							
		Found	C	Found	C	Found	C	Found	C
Antimony	20	3.1	U						
Arsenic	15	3.3	U						
Beryllium	5.0	0.21	U						
Cadmium	5.0	0.29	U						
Chromium	10	0.55	U						
Copper	25	3.9	U						
Lead	10	1.9	U						
Nickel	40	1.6	U						
Selenium	20	5.1	U						
Silver	10	0.92	U						
Thallium	20	2.1	U						
Zinc	50	16	U						

Italicized analytes were not requested for this sequence.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab Sample ID: ICSA 240-230257/8 Instrument ID: I9

Lab File ID: I9051316A.asc ICS Source: MTTRICSAW_00030

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Antimony		**-3.66**	
Arsenic		**-1.48**	
Beryllium		**-0.0082**	
Cadmium		**0.778**	
Chromium		**3.11**	
Copper		**2.24**	
Lead		**0.178**	
Nickel		**3.55**	
Selenium		**-3.87**	
Silver		**0.301**	
Thallium		**-1.36**	
Zinc		**1.05**	
Aluminum	*500000*	*506280*	*101*
Barium		*0.0580*	
Boron		*-6.96*	
Calcium	*500000*	*477850*	*96*
Cobalt		*-0.766*	
Iron	*200000*	*191740*	*96*
Lithium		*29.0*	
Magnesium	*500000*	*486620*	*97*
Manganese		*2.06*	
Molybdenum		*-1.01*	
Potassium		*23.6*	
Silicon		*-2.82*	
Sodium		*70.0*	
Strontium		*11.7*	
Tin		*0.715*	
Titanium		*-0.0450*	
Vanadium		*-1.92*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab Sample ID: ICSAB 240-230257/9 Instrument ID: I9

Lab File ID: I9051316A.asc ICS Source: MTICPICSABW_00010

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Antimony	**1000**	**1006**	**101**
Arsenic	**1000**	**1014**	**101**
Beryllium	**500**	**472**	**94**
Cadmium	**1000**	**1021**	**102**
Chromium	**500**	**484**	**97**
Copper	**500**	**534**	**107**
Lead	**1000**	**902**	**90**
Nickel	**1000**	**996**	**100**
Selenium	**1000**	**995**	**100**
Silver	**1000**	**1103**	**110**
Thallium	**1000**	**967**	**97**
Zinc	**1000**	**1007**	**101**
Aluminum	*500000*	*508720*	*102*
Barium	*500*	*486*	*97*
Boron	*500*	*498*	*100*
Calcium	*500000*	*483360*	*97*
Cobalt	*500*	*500*	*100*
Iron	*200000*	*193700*	*97*
Lithium	*500*	*539*	*108*
Magnesium	*500000*	*489180*	*98*
Manganese	*500*	*483*	*97*
Molybdenum	*1000*	*973*	*97*
Potassium	*10000*	*10370*	*104*
Silicon	*10000*	*10049*	*100*
Sodium	*10000*	*10278*	*103*
Strontium	*1500*	*1394*	*93*
Tin	*500*	*513*	*103*
Titanium	*500*	*499*	*100*
Vanadium	*500*	*481*	*96*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 05/17/2016 08:18 End Date: 05/18/2016 01:53

Lab Sample Id	D/F	Type	Time	Analytes																									
				Ag	As	Be	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl	Zn															
ICIS 240-230706/1	1		08:18	X	X	X	X	X	X	X	X	X	X	X	X														
CALSTD 240-230706/2 IC			08:23	X	X	X	X	X	X	X	X	X	X	X	X														
CALSTD 240-230706/3 IC			08:27	X	X	X	X	X	X	X	X	X	X	X	X														
ICV 240-230706/4	1		08:31	X	X	X	X	X	X	X	X	X	X	X	X														
ICB 240-230706/5	1		08:35	X	X	X	X	X	X	X	X	X	X	X	X														
CRI 240-230706/6			08:39																										
ZZZZZZ			08:43																										
ICSA 240-230706/8	1		08:47	X	X	X	X	X	X	X	X	X	X	X	X														
ICSAB 240-230706/9	1		08:51	X	X	X	X	X	X	X	X	X	X	X	X														
CCV 240-230706/10			08:55																										
CCB 240-230706/11			08:59																										
ZZZZZZ			09:03																										
ZZZZZZ			09:07																										
ZZZZZZ			09:11																										
ZZZZZZ			09:15																										
ZZZZZZ			09:19																										
ZZZZZZ			09:23																										
CCV 240-230706/18	1		09:28	X	X	X	X	X	X	X	X	X	X	X	X														
CCB 240-230706/19	1		09:31	X	X	X	X	X	X	X	X	X	X	X	X														
CRI 240-230706/20	1		09:40	X	X	X	X	X	X	X	X	X	X	X	X														
ZZZZZZ			09:44																										
ZZZZZZ			09:48																										
ZZZZZZ			09:51																										
ZZZZZZ			09:55																										
ZZZZZZ			10:00																										
ZZZZZZ			10:03																										
ZZZZZZ			10:07																										
ZZZZZZ			10:11																										
MB 240-230452/1-A	1	T	10:15	X	X	X	X	X	X	X	X	X	X	X	X														
CCV 240-230706/30	1		10:19	X	X	X	X	X	X	X	X	X	X	X	X														
CCB 240-230706/31	1		10:23	X	X	X	X	X	X	X	X	X	X	X	X														
LCS 240-230452/2-A	1	T	10:27	X	X	X	X	X	X	X	X	X	X	X	X														
ZZZZZZ			10:31																										
ZZZZZZ			10:35																										
ZZZZZZ			10:39																										
ZZZZZZ			10:43																										
ZZZZZZ			10:47																										
ZZZZZZ			10:51																										
240-64634-9	1	T	10:55	X	X	X	X	X	X	X	X	X	X	X	X														
240-64634-10	1	T	10:59	X	X	X	X	X	X	X	X	X	X	X	X														
240-64634-11	1	T	11:04	X	X	X	X	X	X	X	X	X	X	X	X														
CCV 240-230706/42	1		11:08	X	X	X	X	X	X	X	X	X	X	X	X														

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 05/17/2016 08:18 End Date: 05/18/2016 01:53

Lab Sample Id	D/F	Type	Time	Analytes																								
				Ag	As	Be	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl	Zn														
CCB 240-230706/43	1		11:12	X	X	X	X	X	X	X	X	X	X	X	X													
240-64634-12	1	T	11:16	X	X	X	X	X	X	X	X	X	X	X	X													
240-64634-13	1	T	11:20	X	X	X	X	X	X	X	X	X	X	X	X													
240-64634-14	1	T	11:24	X	X	X	X	X	X	X	X	X	X	X	X													
ZZZZZZ			11:28																									
ZZZZZZ			11:32																									
ZZZZZZ			11:36																									
ZZZZZZ			11:40																									
ZZZZZZ			11:44																									
ZZZZZZ			11:48																									
ZZZZZZ			11:52																									
CCV 240-230706/54	1		11:56	X	X	X	X	X	X	X	X	X	X	X	X													
CCB 240-230706/55	1		12:00	X	X	X	X	X	X	X	X	X	X	X	X													
ZZZZZZ			12:04																									
ZZZZZZ			12:09																									
ZZZZZZ			12:13																									
ZZZZZZ			12:17																									
ZZZZZZ			12:21																									
ZZZZZZ			12:26																									
ZZZZZZ			12:30																									
CRI 240-230706/63	1		12:34	X	X	X	X	X	X	X	X	X	X	X	X													
ZZZZZZ			12:38																									
ZZZZZZ			12:43																									
CCV 240-230706/66			12:47																									
CCB 240-230706/67			12:51																									
ZZZZZZ			12:55																									
ZZZZZZ			12:59																									
ZZZZZZ			13:03																									
ZZZZZZ			13:07																									
ZZZZZZ			13:11																									
ZZZZZZ			13:15																									
ZZZZZZ			13:19																									
ZZZZZZ			13:23																									
ZZZZZZ			13:27																									
ZZZZZZ			13:33																									
CCV 240-230706/78			13:37																									
CCB 240-230706/79			13:41																									
ZZZZZZ			13:52																									
ZZZZZZ			13:59																									
ZZZZZZ			14:03																									
ZZZZZZ			14:07																									
ZZZZZZ			14:12																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 05/17/2016 08:18 End Date: 05/18/2016 01:53

Lab Sample Id	D/F	Type	Time	Analytes																								
				Ag	As	Be	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl	Zn														
ZZZZZZ			14:16																									
ZZZZZZ			14:20																									
ZZZZZZ			14:24																									
ZZZZZZ			14:28																									
ZZZZZZ			14:33																									
CCV 240-230706/90			14:36																									
CCB 240-230706/91			14:40																									
ZZZZZZ			14:44																									
ZZZZZZ			14:48																									
ZZZZZZ			14:52																									
ZZZZZZ			14:56																									
ZZZZZZ			15:00																									
ZZZZZZ			15:05																									
ZZZZZZ			15:09																									
ZZZZZZ			15:13																									
ZZZZZZ			15:17																									
ZZZZZZ			15:22																									
CCV 240-230706/102			15:26																									
CCB 240-230706/103			15:30																									
ZZZZZZ			15:34																									
ZZZZZZ			15:38																									
ZZZZZZ			15:42																									
ZZZZZZ			15:46																									
ZZZZZZ			15:51																									
ZZZZZZ			15:55																									
ZZZZZZ			15:59																									
ZZZZZZ			16:03																									
ZZZZZZ			16:07																									
ZZZZZZ			16:12																									
CCV 240-230706/114			16:16																									
CCB 240-230706/115			16:20																									
ZZZZZZ			16:24																									
ZZZZZZ			16:28																									
ZZZZZZ			16:32																									
ZZZZZZ			16:37																									
ZZZZZZ			16:41																									
ZZZZZZ			16:45																									
ZZZZZZ			16:49																									
ZZZZZZ			16:53																									
ZZZZZZ			16:58																									
ZZZZZZ			17:02																									
CCV 240-230706/126			17:05																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 05/17/2016 08:18 End Date: 05/18/2016 01:53

Lab Sample Id	D/F	Type	Time	Analytes																								
				Ag	As	Be	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl	Zn														
CCB 240-230706/127			17:09																									
ZZZZZZ			17:14																									
ZZZZZZ			17:18																									
ZZZZZZ			17:22																									
ZZZZZZ			17:26																									
ZZZZZZ			17:30																									
ZZZZZZ			17:34																									
ZZZZZZ			17:39																									
ZZZZZZ			17:43																									
ZZZZZZ			17:47																									
ZZZZZZ			17:52																									
CCV 240-230706/138			17:56																									
CCB 240-230706/139			18:00																									
ZZZZZZ			18:04																									
ZZZZZZ			18:09																									
ZZZZZZ			18:13																									
ZZZZZZ			18:17																									
ZZZZZZ			18:21																									
ZZZZZZ			18:26																									
ZZZZZZ			18:30																									
ZZZZZZ			18:34																									
ZZZZZZ			18:38																									
ZZZZZZ			18:42																									
CCV 240-230706/150			18:46																									
CCB 240-230706/151			18:50																									
ZZZZZZ			18:54																									
ZZZZZZ			18:59																									
ZZZZZZ			19:03																									
ZZZZZZ			19:08																									
ZZZZZZ			19:12																									
ZZZZZZ			19:16																									
ZZZZZZ			19:20																									
ZZZZZZ			19:24																									
ZZZZZZ			19:28																									
ZZZZZZ			19:32																									
CCV 240-230706/162			19:36																									
CCB 240-230706/163			19:39																									
ZZZZZZ			19:44																									
ZZZZZZ			19:47																									
ZZZZZZ			19:52																									
ZZZZZZ			19:55																									
ZZZZZZ			19:59																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 05/17/2016 08:18 End Date: 05/18/2016 01:53

Lab Sample Id	D/F	Type	Time	Analytes																								
				Ag	As	Be	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl	Zn														
ZZZZZZ			20:03																									
ZZZZZZ			20:07																									
ZZZZZZ			20:11																									
ZZZZZZ			20:14																									
ZZZZZZ			20:18																									
CCV 240-230706/174			20:23																									
CCB 240-230706/175			20:26																									
ZZZZZZ			20:31																									
ZZZZZZ			20:35																									
ZZZZZZ			20:39																									
ZZZZZZ			20:43																									
ZZZZZZ			20:47																									
ZZZZZZ			20:51																									
ZZZZZZ			20:55																									
ZZZZZZ			20:59																									
ZZZZZZ			21:03																									
ZZZZZZ			21:08																									
CCV 240-230706/186			21:12																									
CCB 240-230706/187			21:16																									
ZZZZZZ			21:20																									
ZZZZZZ			21:24																									
ZZZZZZ			21:28																									
ZZZZZZ			21:32																									
ZZZZZZ			21:36																									
ZZZZZZ			21:40																									
ZZZZZZ			21:44																									
ZZZZZZ			21:48																									
ZZZZZZ			21:52																									
ZZZZZZ			21:56																									
CCV 240-230706/198			22:00																									
CCB 240-230706/199			22:04																									
ZZZZZZ			22:08																									
ZZZZZZ			22:12																									
ZZZZZZ			22:17																									
ZZZZZZ			22:21																									
ZZZZZZ			22:25																									
ZZZZZZ			22:29																									
ZZZZZZ			22:33																									
ZZZZZZ			22:38																									
ZZZZZZ			22:42																									
ZZZZZZ			22:46																									
CCV 240-230706/210			22:50																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 05/17/2016 08:18 End Date: 05/18/2016 01:53

Lab Sample Id	D/F	Type	Time	Analytes																								
				Ag	As	Be	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl	Zn														
CCB 240-230706/211			22:54																									
ZZZZZZ			22:58																									
ZZZZZZ			23:03																									
ZZZZZZ			23:07																									
ZZZZZZ			23:11																									
ZZZZZZ			23:15																									
ZZZZZZ			23:19																									
ZZZZZZ			23:24																									
ZZZZZZ			23:28																									
ZZZZZZ			23:32																									
ZZZZZZ			23:37																									
CCV 240-230706/222			23:41																									
CCB 240-230706/223			23:45																									
ZZZZZZ			23:49																									
ZZZZZZ			23:52																									
ZZZZZZ			23:57																									
ZZZZZZ			00:01																									
ZZZZZZ			00:05																									
ZZZZZZ			00:09																									
ZZZZZZ			00:13																									
ZZZZZZ			00:17																									
ZZZZZZ			00:22																									
ZZZZZZ			00:26																									
CCV 240-230706/234			00:30																									
CCB 240-230706/235			00:34																									
ZZZZZZ			00:38																									
ZZZZZZ			00:43																									
ZZZZZZ			00:47																									
ZZZZZZ			00:51																									
ZZZZZZ			00:55																									
ZZZZZZ			00:59																									
ZZZZZZ			01:04																									
ZZZZZZ			01:08																									
ZZZZZZ			01:12																									
ZZZZZZ			01:16																									
CCV 240-230706/246			01:20																									
CCB 240-230706/247			01:24																									
ZZZZZZ			01:28																									
ZZZZZZ			01:33																									
ZZZZZZ			01:37																									
ZZZZZZ			01:41																									
ZZZZZZ			01:45																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 05/17/2016 08:18 End Date: 05/18/2016 01:53

Lab Sample Id	D/F	Type	Time	Analytes																									
				Ag	As	Be	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl	Zn															
CCV 240-230706/253			01:49																										
CCB 240-230706/254			01:53																										

Prep Types:
T = Total/NA

FORM XIII-IN

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

ICV Source: MT6500ICV_00031 Concentration Units: ug/L

CCV Source: MTICPCCV_00071

Analyte	ICV 240-230706/4 05/17/2016 08:31				CCV 240-230706/18 05/17/2016 09:28				CCV 240-230706/30 05/17/2016 10:19			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	376		375	100	507		500	101	499		500	100
Arsenic	373		375	100	506		500	101	503		500	101
Beryllium	1480		1500	99	1980		2000	99	1980		2000	99
Cadmium	373		375	99	500		500	100	497		500	99
Chromium	1440		1500	96	1950		2000	97	1930		2000	96
Copper	1450		1500	97	1970		2000	98	1930		2000	97
Lead	366		375	97	489		500	98	486		500	97
Nickel	1480		1500	99	2010		2000	101	2020		2000	101
Selenium	374		375	100	508		500	102	505		500	101
Silver	735		750	98	1000		1000	100	980		1000	98
Thallium	734		750	98	1010		1000	101	1020		1000	102
Zinc	1500		1500	100	2040		2000	102	2060		2000	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.: 240-64634-1

SDG No.:

ICV Source: MT6500ICV_00031 Concentration Units: ug/L

CCV Source: MTICPCCV_00071

Analyte	CCV 240-230706/42 05/17/2016 11:08				CCV 240-230706/54 05/17/2016 11:56							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	494		500	99	508		500	102				
Arsenic	497		500	99	507		500	101				
Beryllium	1970		2000	99	1980		2000	99				
Cadmium	489		500	98	499		500	100				
Chromium	1950		2000	98	1920		2000	96				
Copper	1950		2000	97	1920		2000	96				
Lead	482		500	96	490		500	98				
Nickel	1990		2000	100	2010		2000	101				
Selenium	505		500	101	507		500	101				
Silver	988		1000	99	980		1000	98				
Thallium	1000		1000	100	1010		1000	101				
Zinc	2030		2000	101	2060		2000	103				

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.: 240-64634-1

SDG No.:

Method: 6010C Instrument ID: I9

Lab Sample ID: CRI 240-230706/20 Concentration Units: ug/L

CRQL Check Standard Source: MTTRCRIC_00035

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	20.0	19.2	J	96	70-130
Arsenic	15.0	15.4		102	70-130
Beryllium	5.00	4.96	J	99	70-130
Cadmium	5.00	5.27		105	70-130
Chromium	10.0	10.1		101	70-130
Copper	20.0	20.3	J	102	70-130
Nickel	40.0	39.7	J	99	70-130
Lead	10.0	12.4		124	70-130
Selenium	20.0	18.5	J	92	70-130
Thallium	20.0	20.2		101	70-130
Zinc	50.0	49.5	J	99	70-130
Silver	10.0	10.3		103	70-130

Lab Sample ID: CRI 240-230706/63 Concentration Units: ug/L

CRQL Check Standard Source: MTTRCRIC_00035

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	20.0	20.9		105	70-130
Arsenic	15.0	15.3		102	70-130
Beryllium	5.00	4.90	J	98	70-130
Cadmium	5.00	4.95	J	99	70-130
Chromium	10.0	10.1		101	70-130
Copper	20.0	19.7	J	98	70-130
Nickel	40.0	39.0	J	98	70-130
Lead	10.0	10.8		108	70-130
Selenium	20.0	21.8		109	70-130
Thallium	20.0	20.5		103	70-130
Zinc	50.0	49.6	J	99	70-130
Silver	10.0	9.87	J	99	70-130

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 240-230706/5 05/17/2016 08:35		CCB 240-230706/19 05/17/2016 09:31		CCB 240-230706/31 05/17/2016 10:23		CCB 240-230706/43 05/17/2016 11:12	
		Found	C	Found	C	Found	C	Found	C
Antimony	20	3.1	U	3.1	U	3.1	U	3.1	U
Arsenic	15	3.3	U	3.3	U	3.3	U	3.3	U
Beryllium	5.0	0.21	U	0.21	U	0.21	U	0.21	U
Cadmium	5.0	0.29	U	0.29	U	0.29	U	0.29	U
Chromium	10	0.55	U	0.55	U	0.55	U	0.55	U
Copper	25	3.9	U	3.9	U	3.9	U	3.9	U
Lead	10	1.9	U	1.9	U	1.9	U	1.9	U
Nickel	40	1.6	U	1.6	U	1.6	U	1.6	U
Selenium	20	5.1	U	5.1	U	5.1	U	5.1	U
Silver	10	0.92	U	0.92	U	0.92	U	0.92	U
Thallium	20	2.1	U	2.1	U	2.1	U	2.1	U
Zinc	50	16	U	16	U	16	U	16	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 240-230706/55 05/17/2016 12:00							
		Found	C	Found	C	Found	C	Found	C
Antimony	20	3.1	U						
Arsenic	15	3.3	U						
Beryllium	5.0	0.247	J						
Cadmium	5.0	0.29	U						
Chromium	10	0.55	U						
Copper	25	3.9	U						
Lead	10	1.9	U						
Nickel	40	1.6	U						
Selenium	20	5.1	U						
Silver	10	0.92	U						
Thallium	20	2.1	U						
Zinc	50	16	U						

Italicized analytes were not requested for this sequence.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab Sample ID: ICSA 240-230706/8 Instrument ID: I9

Lab File ID: I9051716A.asc ICS Source: MTTRICSAW_00030

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Antimony		**-8.49**	
Arsenic		**-1.93**	
Beryllium		**0.0373**	
Cadmium		**1.13**	
Chromium		**3.69**	
Copper		**2.38**	
Lead		**2.06**	
Nickel		**3.54**	
Selenium		**-4.25**	
Silver		**0.454**	
Thallium		**-2.11**	
Zinc		**0.832**	
Aluminum	*500000*	*503440*	*101*
Barium		*0.398*	
Boron		*-9.60*	
Calcium	*500000*	*471270*	*94*
Cobalt		*-1.13*	
Iron	*200000*	*187990*	*94*
Lithium		*6.17*	
Magnesium	*500000*	*497640*	*100*
Manganese		*1.40*	
Molybdenum		*-3.10*	
Potassium		*34.5*	
Silicon		*2.52*	
Sodium		*168*	
Strontium		*8.87*	
Tin		*0.911*	
Titanium		*-0.291*	
Vanadium		*-3.13*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab Sample ID: ICSAB 240-230706/9 Instrument ID: I9

Lab File ID: I9051716A.asc ICS Source: MTICPICSABW_00010

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Antimony	**1000**	**993**	**99**
Arsenic	**1000**	**993**	**99**
Beryllium	**500**	**496**	**99**
Cadmium	**1000**	**1002**	**100**
Chromium	**500**	**470**	**94**
Copper	**500**	**509**	**102**
Lead	**1000**	**888**	**89**
Nickel	**1000**	**981**	**98**
Selenium	**1000**	**988**	**99**
Silver	**1000**	**1052**	**105**
Thallium	**1000**	**955**	**95**
Zinc	**1000**	**1002**	**100**
Aluminum	*500000*	*512340*	*102*
Barium	*500*	*496*	*99*
Boron	*500*	*484*	*97*
Calcium	*500000*	*483970*	*97*
Cobalt	*500*	*492*	*98*
Iron	*200000*	*192560*	*96*
Lithium	*500*	*534*	*107*
Magnesium	*500000*	*507600*	*102*
Manganese	*500*	*475*	*95*
Molybdenum	*1000*	*952*	*95*
Potassium	*10000*	*10557*	*106*
Silicon	*10000*	*10064*	*101*
Sodium	*10000*	*10652*	*107*
Strontium	*1500*	*1472*	*98*
Tin	*500*	*513*	*103*
Titanium	*500*	*488*	*98*
Vanadium	*500*	*500*	*100*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 05/18/2016 08:43 End Date: 05/19/2016 03:42

Lab Sample Id	D/F	Type	Time	Analytes																								
				Ag	As	Be	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl	Zn														
ICIS 240-230854/1	1		08:43	X	X	X	X	X	X	X	X	X	X	X	X													
CALSTD 240-230854/2 IC			08:47	X	X	X	X	X	X	X	X	X	X	X	X													
CALSTD 240-230854/3 IC			08:51	X	X	X	X	X	X	X	X	X	X	X	X													
ICV 240-230854/4	1		08:55	X	X	X	X	X	X	X	X	X	X	X	X													
ICB 240-230854/5	1		08:59	X	X	X	X	X	X	X	X	X	X	X	X													
CRI 240-230854/6			09:03																									
ZZZZZZ			09:07																									
ICSA 240-230854/8	1		09:11	X	X	X	X	X	X	X	X	X	X	X	X													
ICSAB 240-230854/9	1		09:16	X	X	X	X	X	X	X	X	X	X	X	X													
CCV 240-230854/10			09:19																									
CCB 240-230854/11			09:23																									
ZZZZZZ			09:28																									
ZZZZZZ			09:32																									
ZZZZZZ			09:36																									
ZZZZZZ			09:40																									
ZZZZZZ			09:44																									
ZZZZZZ			09:48																									
CCV 240-230854/18			09:53																									
CCB 240-230854/19			09:56																									
CRI 240-230854/20	1		10:01	X	X	X	X	X	X	X	X	X	X	X	X													
ZZZZZZ			10:05																									
ZZZZZZ			10:09																									
ZZZZZZ			10:14																									
ZZZZZZ			10:17																									
ZZZZZZ			10:22																									
ZZZZZZ			10:26																									
ZZZZZZ			10:30																									
ZZZZZZ			10:34																									
ZZZZZZ			10:38																									
CCV 240-230854/30			10:43																									
CCB 240-230854/31			10:46																									
ZZZZZZ			10:51																									
ZZZZZZ			10:55																									
ZZZZZZ			10:59																									
ZZZZZZ			11:03																									
ZZZZZZ			11:07																									
CCV 240-230854/37			11:11																									
CCB 240-230854/38			11:15																									
ZZZZZZ			11:27																									
ZZZZZZ			11:31																									
ZZZZZZ			11:35																									
ZZZZZZ			11:39																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 05/18/2016 08:43 End Date: 05/19/2016 03:42

Lab Sample Id	D/F	Type	Time	Analytes																								
				Ag	As	Be	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl	Zn														
ZZZZZZ			11:44																									
ZZZZZZ			11:47																									
ZZZZZZ			11:51																									
ZZZZZZ			11:55																									
ZZZZZZ			11:59																									
ZZZZZZ			12:03																									
CCV 240-230854/49			12:07																									
CCB 240-230854/50			12:11																									
ZZZZZZ			12:15																									
ZZZZZZ			12:19																									
ZZZZZZ			12:23																									
ZZZZZZ			12:28																									
ZZZZZZ			12:32																									
ZZZZZZ			12:36																									
ZZZZZZ			12:40																									
ZZZZZZ			12:44																									
ZZZZZZ			12:48																									
ZZZZZZ			12:52																									
CCV 240-230854/61			12:57																									
CCB 240-230854/62			13:01																									
ZZZZZZ			13:12																									
ZZZZZZ			13:16																									
ZZZZZZ			13:20																									
ZZZZZZ			13:24																									
ZZZZZZ			13:28																									
ZZZZZZ			13:32																									
ZZZZZZ			13:36																									
ZZZZZZ			13:40																									
ZZZZZZ			13:45																									
ZZZZZZ			13:49																									
CCV 240-230854/73	1		13:54	X	X	X	X	X	X	X	X	X	X	X	X													
CCB 240-230854/74	1		13:58	X	X	X	X	X	X	X	X	X	X	X	X													
ZZZZZZ			14:19																									
ZZZZZZ			14:23																									
ZZZZZZ			14:27																									
ZZZZZZ			14:32																									
MB 240-230660/1-A	1	T	14:36	X	X	X	X	X	X	X	X	X	X	X	X													
LCS 240-230660/2-A	1	T	14:40	X	X	X	X	X	X	X	X	X	X	X	X													
ZZZZZZ			14:44																									
ZZZZZZ			14:48																									
ZZZZZZ			14:52																									
ZZZZZZ			14:56																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 05/18/2016 08:43 End Date: 05/19/2016 03:42

Lab Sample Id	D/F	Type	Time	Analytes																											
				Ag	As	Be	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl	Zn																
CCV 240-230854/85	1		15:00	X	X	X	X	X	X	X	X	X	X	X	X																
CCB 240-230854/86	1		15:03	X	X	X	X	X	X	X	X	X	X	X	X																
ZZZZZZ			15:08																												
240-64634-15	1	T	15:11	X	X	X	X	X	X	X	X	X	X	X	X																
240-64634-16	1	T	15:15	X	X	X	X	X	X	X	X	X	X	X	X																
240-64634-17	1	T	15:20	X	X	X	X	X	X	X	X	X	X	X	X																
240-64634-18	1	T	15:24	X	X	X	X	X	X	X	X	X	X	X	X																
240-64634-19	1	T	15:28	X	X	X	X	X	X	X	X	X	X	X	X																
240-64634-20	1	T	15:32	X	X	X	X	X	X	X	X	X	X	X	X																
240-64634-21	1	T	15:36	X	X	X	X	X	X	X	X	X	X	X	X																
240-64634-22	1	T	15:40	X	X	X	X	X	X	X	X	X	X	X	X																
240-64634-23	1	T	15:44	X	X	X	X	X	X	X	X	X	X	X	X																
CCV 240-230854/97	1		15:48	X	X	X	X	X	X	X	X	X	X	X	X																
CCB 240-230854/98	1		15:52	X	X	X	X	X	X	X	X	X	X	X	X																
240-64634-24	1	T	15:56	X	X	X	X	X	X	X	X	X	X	X	X																
240-64634-25	1	T	16:01	X	X	X	X	X	X	X	X	X	X	X	X																
MB 240-230678/1-A	1	T	16:05	X	X	X	X	X	X	X	X	X	X	X	X																
LCS 240-230678/2-A	1	T	16:09	X	X	X	X	X	X	X	X	X	X	X	X																
ZZZZZZ			16:13																												
ZZZZZZ			16:17																												
ZZZZZZ			16:21																												
ZZZZZZ			16:25																												
ZZZZZZ			16:29																												
240-64678-1	1	T	16:33	X	X	X	X	X	X	X	X	X	X	X	X																
CCV 240-230854/109	1		16:37	X	X	X	X	X	X	X	X	X	X	X	X																
CCB 240-230854/110	1		16:41	X	X	X	X	X	X	X	X	X	X	X	X																
240-64678-2	1	T	16:45	X	X	X	X	X	X	X	X	X	X	X	X																
240-64678-3	1	T	16:49	X	X	X	X	X	X	X	X	X	X	X	X																
240-64678-4	1	T	16:53	X	X	X	X	X	X	X	X	X	X	X	X																
240-64678-5	1	T	16:57	X	X	X	X	X	X	X	X	X	X	X	X																
240-64678-6	1	T	17:01	X	X	X	X	X	X	X	X	X	X	X	X																
240-64678-7	1	T	17:05	X	X	X	X	X	X	X	X	X	X	X	X																
240-64678-8	1	T	17:09	X	X	X	X	X	X	X	X	X	X	X	X																
240-64678-9	1	T	17:13	X	X	X	X	X	X	X	X	X	X	X	X																
240-64678-10	1	T	17:18	X	X	X	X	X	X	X	X	X	X	X	X																
240-64678-11	1	T	17:22	X	X	X	X	X	X	X	X	X	X	X	X																
CCV 240-230854/121	1		17:26	X	X	X	X	X	X	X	X	X	X	X	X																
CCB 240-230854/122	1		17:30	X	X	X	X	X	X	X	X	X	X	X	X																
240-64678-12	1	T	17:34	X	X	X	X	X	X	X	X	X	X	X	X																
CRI 240-230854/124	1		17:38	X	X	X	X	X	X	X	X	X	X	X	X																
ZZZZZZ			17:42																												
ZZZZZZ			17:46																												

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 05/18/2016 08:43 End Date: 05/19/2016 03:42

Lab Sample Id	D/F	Type	Time	Analytes																								
				Ag	As	Be	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl	Zn														
ZZZZZZ			17:51																									
ZZZZZZ			17:55																									
ZZZZZZ			17:59																									
ZZZZZZ			18:03																									
ZZZZZZ			18:08																									
ZZZZZZ			18:12																									
CCV 240-230854/133	1		18:16	X	X	X	X	X	X	X	X	X	X	X	X													
CCB 240-230854/134	1		18:20	X	X	X	X	X	X	X	X	X	X	X	X													
ZZZZZZ			18:24																									
ZZZZZZ			18:29																									
ZZZZZZ			18:33																									
ZZZZZZ			18:37																									
ZZZZZZ			18:42																									
ZZZZZZ			18:46																									
ZZZZZZ			18:50																									
ZZZZZZ			18:54																									
ZZZZZZ			18:58																									
ZZZZZZ			19:02																									
CCV 240-230854/145			19:06																									
CCB 240-230854/146			19:10																									
ZZZZZZ			19:15																									
ZZZZZZ			19:19																									
ZZZZZZ			19:23																									
ZZZZZZ			19:27																									
ZZZZZZ			19:31																									
ZZZZZZ			19:36																									
ZZZZZZ			19:40																									
ZZZZZZ			19:44																									
ZZZZZZ			19:48																									
ZZZZZZ			19:52																									
CCV 240-230854/157			19:56																									
CCB 240-230854/158			20:00																									
ZZZZZZ			20:04																									
ZZZZZZ			20:09																									
ZZZZZZ			20:13																									
ZZZZZZ			20:17																									
ZZZZZZ			20:21																									
ZZZZZZ			20:25																									
ZZZZZZ			20:29																									
ZZZZZZ			20:33																									
ZZZZZZ			20:37																									
ZZZZZZ			20:41																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 05/18/2016 08:43 End Date: 05/19/2016 03:42

Lab Sample Id	D/F	Type	Time	Analytes																								
				Ag	As	Be	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl	Zn														
CCV 240-230854/169			20:46																									
CCB 240-230854/170			20:49																									
ZZZZZZ			20:54																									
ZZZZZZ			20:58																									
ZZZZZZ			21:02																									
ZZZZZZ			21:06																									
ZZZZZZ			21:10																									
ZZZZZZ			21:14																									
ZZZZZZ			21:18																									
ZZZZZZ			21:22																									
ZZZZZZ			21:27																									
ZZZZZZ			21:31																									
CCV 240-230854/181			21:36																									
CCB 240-230854/182			21:40																									
ZZZZZZ			21:44																									
ZZZZZZ			21:48																									
ZZZZZZ			21:52																									
ZZZZZZ			21:56																									
ZZZZZZ			22:01																									
ZZZZZZ			22:05																									
ZZZZZZ			22:09																									
ZZZZZZ			22:13																									
ZZZZZZ			22:17																									
ZZZZZZ			22:21																									
CCV 240-230854/193			22:26																									
CCB 240-230854/194			22:30																									
ZZZZZZ			22:34																									
ZZZZZZ			22:38																									
ZZZZZZ			22:42																									
ZZZZZZ			22:46																									
ZZZZZZ			22:50																									
ZZZZZZ			22:54																									
ZZZZZZ			22:58																									
ZZZZZZ			23:02																									
ZZZZZZ			23:06																									
ZZZZZZ			23:10																									
CCV 240-230854/205			23:15																									
CCB 240-230854/206			23:19																									
ZZZZZZ			23:23																									
ZZZZZZ			23:27																									
ZZZZZZ			23:31																									
ZZZZZZ			23:35																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 05/18/2016 08:43 End Date: 05/19/2016 03:42

Lab Sample Id	D/F	Type	Time	Analytes																									
				Ag	As	Be	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl	Zn															
ZZZZZZ			23:39																										
ZZZZZZ			23:43																										
ZZZZZZ			23:48																										
ZZZZZZ			23:52																										
ZZZZZZ			23:56																										
ZZZZZZ			00:00																										
CCV 240-230854/217			00:04																										
CCB 240-230854/218			00:08																										
ZZZZZZ			00:12																										
ZZZZZZ			00:16																										
ZZZZZZ			00:21																										
ZZZZZZ			00:25																										
ZZZZZZ			00:29																										
ZZZZZZ			00:33																										
ZZZZZZ			00:37																										
ZZZZZZ			00:41																										
ZZZZZZ			00:45																										
ZZZZZZ			00:49																										
CCV 240-230854/229			00:54																										
CCB 240-230854/230			00:58																										
ZZZZZZ			01:02																										
ZZZZZZ			01:06																										
ZZZZZZ			01:11																										
ZZZZZZ			01:15																										
ZZZZZZ			01:19																										
ZZZZZZ			01:23																										
ZZZZZZ			01:27																										
ZZZZZZ			01:32																										
ZZZZZZ			01:36																										
ZZZZZZ			01:40																										
CCV 240-230854/241			01:44																										
CCB 240-230854/242			01:48																										
ZZZZZZ			01:52																										
ZZZZZZ			01:57																										
ZZZZZZ			02:01																										
ZZZZZZ			02:05																										
ZZZZZZ			02:09																										
ZZZZZZ			02:13																										
ZZZZZZ			02:17																										
ZZZZZZ			02:21																										
ZZZZZZ			02:25																										
ZZZZZZ			02:29																										

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 05/18/2016 08:43 End Date: 05/19/2016 03:42

Lab Sample Id	D/F	Type	Time	Analytes																									
				Ag	As	Be	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl	Zn															
CCV 240-230854/253			02:33																										
CCB 240-230854/254			02:37																										
ZZZZZZ			02:41																										
ZZZZZZ			02:45																										
ZZZZZZ			02:49																										
ZZZZZZ			02:53																										
ZZZZZZ			02:57																										
ZZZZZZ			03:02																										
ZZZZZZ			03:05																										
ZZZZZZ			03:10																										
ZZZZZZ			03:14																										
ZZZZZZ			03:18																										
CCV 240-230854/265			03:22																										
CCB 240-230854/266			03:26																										
ZZZZZZ			03:30																										
ZZZZZZ			03:34																										
CCV 240-230854/269			03:38																										
CCB 240-230854/270			03:42																										

Prep Types:
T = Total/NA

FORM XIII-IN

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

ICV Source: MT6500ICV_00031 Concentration Units: ug/L

CCV Source: MTICPCCV_00072

Analyte	ICV 240-230854/4 05/18/2016 08:55				CCV 240-230854/73 05/18/2016 13:54				CCV 240-230854/85 05/18/2016 15:00			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	367		375	98	492		500	98	483		500	97
Arsenic	368		375	98	491		500	98	483		500	97
Beryllium	1480		1500	99	1970		2000	99	1920		2000	96
Cadmium	365		375	97	483		500	97	474		500	95
Chromium	1450		1500	97	2000		2000	100	1930		2000	96
Copper	1450		1500	97	1970		2000	98	1900		2000	95
Lead	360		375	96	479		500	96	472		500	94
Nickel	1480		1500	99	2030		2000	101	1980		2000	99
Selenium	375		375	100	506		500	101	495		500	99
Silver	731		750	97	996		1000	100	961		1000	96
Thallium	733		750	98	1010		1000	101	997		1000	100
Zinc	1500		1500	100	2070		2000	103	2030		2000	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.: 240-64634-1

SDG No.:

ICV Source: MT6500ICV_00031 Concentration Units: ug/L

CCV Source: MTICPCCV_00072

Analyte	CCV 240-230854/97 05/18/2016 15:48				CCV 240-230854/109 05/18/2016 16:37				CCV 240-230854/121 05/18/2016 17:26			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	475		500	95	486		500	97	490		500	98
Arsenic	477		500	95	482		500	96	484		500	97
Beryllium	1940		2000	97	1950		2000	97	1960		2000	98
Cadmium	469		500	94	476		500	95	481		500	96
Chromium	1980		2000	99	1960		2000	98	1950		2000	98
Copper	1950		2000	97	1930		2000	97	1930		2000	97
Lead	469		500	94	471		500	94	478		500	96
Nickel	1970		2000	99	1980		2000	99	2000		2000	100
Selenium	491		500	98	494		500	99	500		500	100
Silver	983		1000	98	982		1000	98	979		1000	98
Thallium	991		1000	99	995		1000	99	1000		1000	100
Zinc	2010		2000	100	2020		2000	101	2040		2000	102

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.: 240-64634-1

SDG No.:

ICV Source: MT6500ICV_00031 Concentration Units: ug/L

CCV Source: MTICPCCV_00072

Analyte	CCV 240-230854/133 05/18/2016 18:16											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	489		500	98								
Arsenic	492		500	98								
Beryllium	2000		2000	100								
Cadmium	485		500	97								
Chromium	2000		2000	100								
Copper	1960		2000	98								
Lead	482		500	96								
Nickel	2040		2000	102								
Selenium	508		500	102								
Silver	993		1000	99								
Thallium	1020		1000	102								
Zinc	2080		2000	104								

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.: 240-64634-1

SDG No.:

Method: 6010C Instrument ID: I9

Lab Sample ID: CRI 240-230854/20 Concentration Units: ug/L

CRQL Check Standard Source: MTTRCRIC_00035

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	20.0	18.0	J	90	70-130
Arsenic	15.0	16.8		112	70-130
Beryllium	5.00	4.90	J	98	70-130
Cadmium	5.00	5.04		101	70-130
Chromium	10.0	9.91	J	99	70-130
Copper	20.0	20.1	J	101	70-130
Nickel	40.0	39.4	J	99	70-130
Lead	10.0	10.1		101	70-130
Selenium	20.0	20.6		103	70-130
Thallium	20.0	20.0		100	70-130
Zinc	50.0	49.5	J	99	70-130
Silver	10.0	9.77	J	98	70-130

Lab Sample ID: CRI 240-230854/124 Concentration Units: ug/L

CRQL Check Standard Source: MTTRCRIC_00035

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	20.0	18.0	J	90	70-130
Arsenic	15.0	15.0		100	70-130
Beryllium	5.00	5.10		102	70-130
Cadmium	5.00	4.81	J	96	70-130
Chromium	10.0	10.4		104	70-130
Copper	20.0	21.2	J	106	70-130
Nickel	40.0	40.1		100	70-130
Lead	10.0	11.0		110	70-130
Selenium	20.0	19.4	J	97	70-130
Thallium	20.0	18.9	J	94	70-130
Zinc	50.0	50.7		101	70-130
Silver	10.0	10.1		101	70-130

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 240-230854/5 05/18/2016 08:59		CCB 240-230854/74 05/18/2016 13:58		CCB 240-230854/86 05/18/2016 15:03		CCB 240-230854/98 05/18/2016 15:52	
		Found	C	Found	C	Found	C	Found	C
Antimony	20	3.1	U	3.1	U	3.1	U	3.1	U
Arsenic	15	3.3	U	3.3	U	3.3	U	3.3	U
Beryllium	5.0	0.246	J	0.21	U	0.21	U	0.21	U
Cadmium	5.0	0.29	U	0.29	U	0.29	U	0.29	U
Chromium	10	0.55	U	0.55	U	0.55	U	0.55	U
Copper	25	3.9	U	3.9	U	3.9	U	3.9	U
Lead	10	1.9	U	1.9	U	1.9	U	1.9	U
Nickel	40	1.6	U	1.6	U	1.6	U	1.6	U
Selenium	20	5.1	U	5.1	U	5.1	U	5.1	U
Silver	10	0.92	U	0.92	U	0.92	U	0.92	U
Thallium	20	2.1	U	2.1	U	2.1	U	2.1	U
Zinc	50	16	U	16	U	16	U	16	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 240-230854/110 05/18/2016 16:41		CCB 240-230854/122 05/18/2016 17:30		CCB 240-230854/134 05/18/2016 18:20			
		Found	C	Found	C	Found	C	Found	C
Antimony	20	3.1	U	3.1	U	3.1	U		
Arsenic	15	3.3	U	3.3	U	3.3	U		
Beryllium	5.0	0.21	U	0.21	U	0.21	U		
Cadmium	5.0	0.29	U	0.29	U	0.29	U		
Chromium	10	0.55	U	0.55	U	0.55	U		
Copper	25	3.9	U	3.9	U	3.9	U		
Lead	10	1.9	U	1.9	U	1.9	U		
Nickel	40	1.6	U	1.6	U	1.6	U		
Selenium	20	5.1	U	5.1	U	5.1	U		
Silver	10	0.92	U	0.92	U	0.92	U		
Thallium	20	2.1	U	2.1	U	2.1	U		
Zinc	50	16	U	16	U	16	U		

Italicized analytes were not requested for this sequence.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab Sample ID: ICSA 240-230854/8 Instrument ID: I9

Lab File ID: I9051816A.asc ICS Source: MTTRICSAW_00030

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Antimony		**-6.89**	
Arsenic		**-1.96**	
Beryllium		**0.0648**	
Cadmium		**1.21**	
Chromium		**3.16**	
Copper		**2.81**	
Lead		**-0.830**	
Nickel		**3.84**	
Selenium		**-2.06**	
Silver		**-0.0406**	
Thallium		**-3.80**	
Zinc		**1.47**	
Aluminum	*500000*	*491520*	*98*
Barium		*0.0404*	
Boron		*-8.07*	
Calcium	*500000*	*460640*	*92*
Cobalt		*-1.33*	
Iron	*200000*	*185720*	*93*
Lithium		*8.01*	
Magnesium	*500000*	*478340*	*96*
Manganese		*1.51*	
Molybdenum		*-2.71*	
Potassium		*54.9*	
Silicon		*7.43*	
Sodium		*84.8*	
Strontium		*7.44*	
Tin		*1.08*	
Titanium		*-0.428*	
Vanadium		*-0.0271*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Lab Sample ID: ICSAB 240-230854/9 Instrument ID: I9

Lab File ID: I9051816A.asc ICS Source: MTICPICSABW_00010

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Antimony	**1000**	**994**	**99**
Arsenic	**1000**	**989**	**99**
Beryllium	**500**	**486**	**97**
Cadmium	**1000**	**1009**	**101**
Chromium	**500**	**481**	**96**
Copper	**500**	**525**	**105**
Lead	**1000**	**885**	**88**
Nickel	**1000**	**988**	**99**
Selenium	**1000**	**989**	**99**
Silver	**1000**	**1085**	**108**
Thallium	**1000**	**958**	**96**
Zinc	**1000**	**1003**	**100**
Aluminum	*500000*	*510510*	*102*
Barium	*500*	*498*	*100*
Boron	*500*	*492*	*98*
Calcium	*500000*	*480850*	*96*
Cobalt	*500*	*495*	*99*
Iron	*200000*	*193110*	*97*
Lithium	*500*	*527*	*105*
Magnesium	*500000*	*500670*	*100*
Manganese	*500*	*488*	*98*
Molybdenum	*1000*	*947*	*95*
Potassium	*10000*	*10513*	*105*
Silicon	*10000*	*10088*	*101*
Sodium	*10000*	*10422*	*104*
Strontium	*1500*	*1454*	*97*
Tin	*500*	*508*	*102*
Titanium	*500*	*494*	*99*
Vanadium	*500*	*492*	*98*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 240-230062/1-A	05/12/2016 11:23	230062	1.00		100
LCS 240-230062/2-A	05/12/2016 11:23	230062	1.00		100
240-64634-1	05/12/2016 11:23	230062	1.00		100
240-64634-2	05/12/2016 11:23	230062	1.02		100
240-64634-3	05/12/2016 11:23	230062	1.13		100
240-64634-4	05/12/2016 11:23	230062	1.12		100
240-64634-5	05/12/2016 11:23	230062	1.28		100
240-64634-6	05/12/2016 11:23	230062	1.19		100
240-64634-7	05/12/2016 11:23	230062	1.09		100
240-64634-8	05/12/2016 11:23	230062	1.45		100

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 240-230062/1-A

Instrument Code: I9 Batch No.: 230257

CAS No.	Analyte	Concentration	C	Q	Method
7440-36-0	Antimony	0.48	U		6010C
7440-38-2	Arsenic	0.41	U		6010C
7440-41-7	Beryllium	0.026	U		6010C
7440-43-9	Cadmium	0.021	U		6010C
7440-47-3	Chromium	0.075	U		6010C
7440-50-8	Copper	0.23	U		6010C
7440-02-0	Nickel	0.080	U		6010C
7439-92-1	Lead	0.0552	J		6010C
7782-49-2	Selenium	0.34	U		6010C
7440-28-0	Thallium	0.13	U		6010C
7440-66-6	Zinc	0.56	U		6010C
7440-22-4	Silver	0.0742	J		6010C

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-230062/2-A

Lab Name: TestAmerica Canton Job No.: 240-64634-1

Sample Matrix: Solid LCS Source: MTICP1_00051

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Antimony	50.0	48.0		96	80	120		6010C
Arsenic	200	195		98	80	120		6010C
Beryllium	5.00	4.68		94	80	120		6010C
Cadmium	5.00	4.87		97	80	120		6010C
Chromium	20.0	19.9		100	80	120		6010C
Copper	25.0	24.9		99	80	120		6010C
Nickel	50.0	49.3		99	80	120		6010C
Lead	50.0	47.5		95	80	120		6010C
Selenium	200	194		97	80	120		6010C
Thallium	200	191		96	80	120		6010C
Zinc	50.0	49.6		99	80	120		6010C
Silver	5.00	5.03		101	80	120		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 240-230452/1-A	05/16/2016 10:29	230452	1.00		100
LCS 240-230452/2-A	05/16/2016 10:29	230452	1.00		100
240-64634-9	05/16/2016 10:29	230452	1.06		100
240-64634-10	05/16/2016 10:29	230452	1.13		100
240-64634-11	05/16/2016 10:29	230452	1.16		100
240-64634-12	05/16/2016 10:29	230452	1.22		100
240-64634-13	05/16/2016 10:29	230452	1.12		100
240-64634-14	05/16/2016 10:29	230452	1.06		100

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 240-230452/1-A

Instrument Code: I9 Batch No.: 230706

CAS No.	Analyte	Concentration	C	Q	Method
7440-36-0	Antimony	0.48	U		6010C
7440-38-2	Arsenic	0.41	U		6010C
7440-41-7	Beryllium	0.026	U		6010C
7440-43-9	Cadmium	0.021	U		6010C
7440-47-3	Chromium	0.075	U		6010C
7440-50-8	Copper	0.23	U		6010C
7440-02-0	Nickel	0.080	U		6010C
7439-92-1	Lead	0.253	J		6010C
7782-49-2	Selenium	0.34	U		6010C
7440-28-0	Thallium	0.13	U		6010C
7440-66-6	Zinc	0.56	U		6010C
7440-22-4	Silver	0.063	U		6010C

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-230452/2-A

Lab Name: TestAmerica Canton Job No.: 240-64634-1

Sample Matrix: Solid LCS Source: MTICP1_00051

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Antimony	50.0	47.6		95	80	120		6010C
Arsenic	200	194		97	80	120		6010C
Beryllium	5.00	4.80		96	80	120		6010C
Cadmium	5.00	4.87		97	80	120		6010C
Chromium	20.0	19.1		95	80	120		6010C
Copper	25.0	23.5		94	80	120		6010C
Nickel	50.0	49.2		98	80	120		6010C
Lead	50.0	47.0		94	80	120		6010C
Selenium	200	196		98	80	120		6010C
Thallium	200	193		96	80	120		6010C
Zinc	50.0	49.5		99	80	120		6010C
Silver	5.00	4.71		94	80	120		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 240-230660/1-A	05/17/2016 10:56	230660	1.00		100
LCS 240-230660/2-A	05/17/2016 10:56	230660	1.00		100
240-64634-15	05/17/2016 10:56	230660	1.05		100
240-64634-16	05/17/2016 10:56	230660	1.19		100
240-64634-17	05/17/2016 10:56	230660	1.03		100
240-64634-18	05/17/2016 10:56	230660	1.08		100
240-64634-19	05/17/2016 10:56	230660	1.47		100
240-64634-20	05/17/2016 10:56	230660	1.18		100
240-64634-21	05/17/2016 10:56	230660	1.21		100
240-64634-22	05/17/2016 10:56	230660	1.14		100
240-64634-23	05/17/2016 10:56	230660	1.14		100
240-64634-24	05/17/2016 10:56	230660	1.38		100
240-64634-25	05/17/2016 10:56	230660	1.33		100

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 240-230660/1-A

Instrument Code: I9 Batch No.: 230854

CAS No.	Analyte	Concentration	C	Q	Method
7440-36-0	Antimony	0.48	U		6010C
7440-38-2	Arsenic	0.41	U		6010C
7440-41-7	Beryllium	0.026	U		6010C
7440-43-9	Cadmium	0.021	U		6010C
7440-47-3	Chromium	0.0952	J		6010C
7440-50-8	Copper	0.23	U		6010C
7440-02-0	Nickel	0.080	U		6010C
7439-92-1	Lead	0.022	U		6010C
7782-49-2	Selenium	0.343	J		6010C
7440-28-0	Thallium	0.13	U		6010C
7440-66-6	Zinc	0.56	U		6010C
7440-22-4	Silver	0.063	U		6010C

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-230660/2-A

Lab Name: TestAmerica Canton Job No.: 240-64634-1

Sample Matrix: Solid LCS Source: MTICP1_00051

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Antimony	50.0	47.1		94	80	120		6010C
Arsenic	200	191		95	80	120		6010C
Beryllium	5.00	4.70		94	80	120		6010C
Cadmium	5.00	4.82		96	80	120		6010C
Chromium	20.0	19.5		97	80	120		6010C
Copper	25.0	24.1		96	80	120		6010C
Nickel	50.0	48.5		97	80	120		6010C
Lead	50.0	46.4		93	80	120		6010C
Selenium	200	190		95	80	120		6010C
Thallium	200	190		95	80	120		6010C
Zinc	50.0	49.7		99	80	120		6010C
Silver	5.00	4.77		95	80	120		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 240-230678/1-A	05/17/2016 11:55	230678	1.00		100
LCS 240-230678/2-A	05/17/2016 11:55	230678	1.00		100
240-64678-1	05/17/2016 11:55	230678	1.36		100
240-64678-2	05/17/2016 11:55	230678	1.06		100
240-64678-3	05/17/2016 11:55	230678	1.20		100
240-64678-4	05/17/2016 11:55	230678	1.18		100
240-64678-5	05/17/2016 11:55	230678	1.17		100
240-64678-6	05/17/2016 11:55	230678	1.09		100
240-64678-7	05/17/2016 11:55	230678	1.11		100
240-64678-8	05/17/2016 11:55	230678	1.41		100
240-64678-9	05/17/2016 11:55	230678	1.12		100
240-64678-10	05/17/2016 11:55	230678	1.31		100
240-64678-11	05/17/2016 11:55	230678	1.03		100
240-64678-12	05/17/2016 11:55	230678	1.03		100

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 240-230678/1-A

Instrument Code: I9 Batch No.: 230854

CAS No.	Analyte	Concentration	C	Q	Method
7440-36-0	Antimony	0.48	U		6010C
7440-38-2	Arsenic	0.41	U		6010C
7440-41-7	Beryllium	0.026	U		6010C
7440-43-9	Cadmium	0.021	U		6010C
7440-47-3	Chromium	0.075	U		6010C
7440-50-8	Copper	0.23	U		6010C
7440-02-0	Nickel	0.080	U		6010C
7439-92-1	Lead	0.022	U		6010C
7782-49-2	Selenium	0.34	U		6010C
7440-28-0	Thallium	0.13	U		6010C
7440-66-6	Zinc	0.56	U		6010C
7440-22-4	Silver	0.063	U		6010C

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-230678/2-A

Lab Name: TestAmerica Canton Job No.: 240-64634-1

Sample Matrix: Solid LCS Source: MTICP1_00051

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Antimony	50.0	46.5		93	80	120		6010C
Arsenic	200	189		95	80	120		6010C
Beryllium	5.00	4.80		96	80	120		6010C
Cadmium	5.00	4.70		94	80	120		6010C
Chromium	20.0	19.4		97	80	120		6010C
Copper	25.0	23.9		96	80	120		6010C
Nickel	50.0	48.5		97	80	120		6010C
Lead	50.0	45.7		91	80	120		6010C
Selenium	200	190		95	80	120		6010C
Thallium	200	189		95	80	120		6010C
Zinc	50.0	49.1		98	80	120		6010C
Silver	5.00	4.74		95	80	120		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Instrument ID: H1 Analysis Method: 7471A

Start Date: 05/13/2016 09:06 End Date: 05/13/2016 12:25

Lab Sample Id	D/F	Type	Time	Analytes																								
				Hg																								
IC 240-230426/1-A			09:06	X																								
IC 240-230426/2-A			09:08	X																								
IC 240-230426/3-A			09:10	X																								
IC 240-230426/4-A			09:12	X																								
IC 240-230426/5-A			09:15	X																								
IC 240-230426/6-A			09:17	X																								
ICV 240-230426/7-A	1		09:30	X																								
ICB 240-230426/8-A	1		09:32	X																								
CRA 240-230426/9-A	1		09:34	X																								
CCV 240-230426/10-A			10:10																									
CCB 240-230426/11-A			10:12																									
ZZZZZZ			10:14																									
ZZZZZZ			10:17																									
ZZZZZZ			10:19																									
ZZZZZZ			10:21																									
ZZZZZZ			10:23																									
ZZZZZZ			10:25																									
ZZZZZZ			10:27																									
ZZZZZZ			10:29																									
ZZZZZZ			10:32																									
ZZZZZZ			10:34																									
CCV 240-230426/10-A			10:36																									
CCB 240-230426/11-A			10:38																									
ZZZZZZ			10:41																									
ZZZZZZ			10:43																									
ZZZZZZ			10:45																									
ZZZZZZ			10:48																									
ZZZZZZ			10:50																									
ZZZZZZ			10:52																									
ZZZZZZ			10:54																									
ZZZZZZ			10:57																									
ZZZZZZ			10:59																									
ZZZZZZ			11:01																									
CCV 240-230426/10-A	1		11:04	X																								
CCB 240-230426/11-A	1		11:06	X																								
ZZZZZZ			11:08																									
ZZZZZZ			11:10																									
ZZZZZZ			11:12																									
ZZZZZZ			11:14																									
ZZZZZZ			11:17																									
ZZZZZZ			11:19																									
ZZZZZZ			11:21																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Instrument ID: H1 Analysis Method: 7471A

Start Date: 05/13/2016 09:06 End Date: 05/13/2016 12:25

Lab Sample Id	D/F	Type	Time	Analytes																								
				Hg																								
ZZZZZZ			11:23																									
MB 240-230070/1-A	1	T	11:25	X																								
LCS 240-230070/2-A	1	T	11:27	X																								
CCV 240-230426/10-A	1		11:29	X																								
CCB 240-230426/11-A	1		11:31	X																								
ZZZZZZ			11:33																									
ZZZZZZ			11:35																									
ZZZZZZ			11:37																									
ZZZZZZ			11:40																									
ZZZZZZ			11:42																									
ZZZZZZ			11:44																									
ZZZZZZ			11:46																									
ZZZZZZ			11:48																									
ZZZZZZ			11:51																									
ZZZZZZ			11:53																									
CCV 240-230426/10-A	1		11:55	X																								
CCB 240-230426/11-A	1		11:58	X																								
ZZZZZZ			12:00																									
ZZZZZZ			12:02																									
240-64634-1	1	T	12:05	X																								
240-64634-2	1	T	12:07	X																								
240-64634-3	1	T	12:09	X																								
240-64634-4	1	T	12:11	X																								
240-64634-5	1	T	12:14	X																								
240-64634-6	1	T	12:16	X																								
240-64634-7	1	T	12:18	X																								
240-64634-8	1	T	12:21	X																								
CCV 240-230426/10-A	1		12:23	X																								
CCB 240-230426/11-A	1		12:25	X																								

Prep Types:
T = Total/NA

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

ICV Source: MTHgStd_00020 Concentration Units: ug/L

CCV Source: MTHGCALW_01205

Analyte	ICV 240-230426/7-A 05/13/2016 09:30				CCV 240-230426/10-A 05/13/2016 11:04				CCV 240-230426/10-A 05/13/2016 11:29			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.50		5.00	90	4.95		5.00	99	4.85		5.00	97

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.: 240-64634-1

SDG No.:

ICV Source: MTHgStd_00020 Concentration Units: ug/L

CCV Source: MTHGCALW_01205

Analyte	CCV 240-230426/10-A 05/13/2016 11:55				CCV 240-230426/10-A 05/13/2016 12:23							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.77		5.00	95	4.93		5.00	99				

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.: 240-64634-1

SDG No.:

Method: 7471A Instrument ID: H1

Lab Sample ID: CRA 240-230426/9-A Concentration Units: ug/L

CRQL Check Standard Source: MTHGCALW_01205

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.102	J	51	50-150

Lab Sample ID: CRA 240-230711/9-A Concentration Units: ug/L

CRQL Check Standard Source: MTHGCALW_01208

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.134	J	67	50-150

Lab Sample ID: CRA 240-230711/9-A Concentration Units: ug/L

CRQL Check Standard Source: MTHGCALW_01208

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.126	J	63	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 240-230426/8-A 05/13/2016 09:32		CCB 240-230426/11-A 05/13/2016 11:06		CCB 240-230426/11-A 05/13/2016 11:31		CCB 240-230426/11-A 05/13/2016 11:58	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.60	0.090	U	0.090	U	0.090	U	0.090	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 240-230426/11-A 05/13/2016 12:25							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.60	0.090	U						

Italicized analytes were not requested for this sequence.

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Instrument ID: H1 Analysis Method: 7471A

Start Date: 05/17/2016 12:40 End Date: 05/17/2016 18:05

Lab Sample Id	D/F	Type	Time	Analytes
				Hg
DNUSTD01REP1 240-230761/1 IC			12:40	X
DNUSTD02REP1 240-230761/2 IC			12:42	X
DNUSTD03REP1 240-230761/3 IC			12:44	X
DNUSTD04REP1 240-230761/4 IC			12:46	X
DNUSTD05REP1 240-230761/5 IC			12:49	X
DNUSTD06REP1 240-230761/6 IC			12:51	X
ZZZZZZ			12:56	
ZZZZZZ			12:58	
ZZZZZZ			13:00	
IC 240-230711/1-A			14:35	X
IC 240-230711/2-A			14:37	X
IC 240-230711/3-A			14:39	X
IC 240-230711/4-A			14:42	X
IC 240-230711/5-A			14:44	X
IC 240-230711/6-A			14:46	X
ICV 240-230711/7-A	1		14:48	X
ICB 240-230711/8-A	1		14:51	X
CRA 240-230711/9-A	1		14:54	X
CCV 240-230711/10-A	1		14:56	X
CCB 240-230711/11-A	1		14:58	X
ZZZZZZ			15:01	
ZZZZZZ			15:03	
ZZZZZZ			15:05	
ZZZZZZ			15:07	
ZZZZZZ			15:10	
ZZZZZZ			15:12	
ZZZZZZ			15:14	
ZZZZZZ			15:17	
ZZZZZZ			15:19	
MB 240-230459/1-A	1	T	15:21	X
CCV 240-230711/10-A	1		15:24	X
CCB 240-230711/11-A	1		15:26	X
LCS 240-230459/2-A	1	T	15:28	X
ZZZZZZ			15:30	
ZZZZZZ			15:33	
ZZZZZZ			15:35	
ZZZZZZ			15:37	

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Instrument ID: H1 Analysis Method: 7471A

Start Date: 05/17/2016 12:40 End Date: 05/17/2016 18:05

Lab Sample Id	D/F	Type	Time	Analytes																								
				Hg																								
ZZZZZZ			15:39																									
ZZZZZZ			15:43																									
ZZZZZZ			15:45																									
ZZZZZZ			15:47																									
ZZZZZZ			15:49																									
CCV 240-230711/10-A	1		15:52	X																								
CCB 240-230711/11-A	1		15:54	X																								
ZZZZZZ			15:56																									
ZZZZZZ			15:58																									
ZZZZZZ			16:00																									
240-64634-9	1	T	16:02	X																								
240-64634-10	1	T	16:05	X																								
240-64634-11	1	T	16:07	X																								
240-64634-12	1	T	16:10	X																								
240-64634-13	1	T	16:12	X																								
240-64634-14	1	T	16:14	X																								
ZZZZZZ			16:16																									
CCV 240-230711/10-A	1		16:18	X																								
CCB 240-230711/11-A	1		16:21	X																								
ZZZZZZ			16:23																									
ZZZZZZ			16:25																									
ZZZZZZ			16:27																									
ZZZZZZ			16:29																									
ZZZZZZ			16:32																									
ZZZZZZ			16:34																									
ZZZZZZ			16:36																									
ZZZZZZ			16:39																									
ZZZZZZ			16:41																									
ZZZZZZ			16:43																									
CCV 240-230711/10-A			16:45																									
CCB 240-230711/11-A			16:48																									
ZZZZZZ			16:50																									
ZZZZZZ			16:53																									
ZZZZZZ			16:55																									
ZZZZZZ			16:57																									
ZZZZZZ			16:59																									
ZZZZZZ			17:02																									
ZZZZZZ			17:04																									
ZZZZZZ			17:07																									
ZZZZZZ			17:09																									
ZZZZZZ			17:12																									
CCV 240-230711/10-A			17:14																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Instrument ID: H1 Analysis Method: 7471A

Start Date: 05/17/2016 12:40 End Date: 05/17/2016 18:05

Lab Sample Id	D/F	Type	Time	Analytes																								
				Hg																								
CCB 240-230711/11-A			17:17																									
ZZZZZZ			17:19																									
ZZZZZZ			17:21																									
ZZZZZZ			17:24																									
ZZZZZZ			17:26																									
ZZZZZZ			17:28																									
ZZZZZZ			17:31																									
ZZZZZZ			17:33																									
ZZZZZZ			17:35																									
ZZZZZZ			17:37																									
ZZZZZZ			17:39																									
CCV 240-230711/10-A			17:41																									
CCB 240-230711/11-A			17:43																									
ZZZZZZ			17:46																									
ZZZZZZ			17:48																									
ZZZZZZ			17:50																									
ZZZZZZ			17:52																									
ZZZZZZ			17:54																									
ZZZZZZ			17:56																									
ZZZZZZ			17:59																									
ZZZZZZ			18:01																									
CCV 240-230711/10-A			18:03																									
CCB 240-230711/11-A			18:05																									

Prep Types:
T = Total/NA

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

ICV Source: MTHgICV_00001_00001 Concentration Units: ug/L

CCV Source: MTHGCALW_01208

Analyte	ICV 240-230711/7-A 05/17/2016 14:48				CCV 240-230711/10-A 05/17/2016 14:56				CCV 240-230711/10-A 05/17/2016 15:24			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.06		5.00	101	4.92		5.00	98	4.96		5.00	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

ICV Source: MTHgICV_00001_00001 Concentration Units: ug/L

CCV Source: MTHGCALW_01208

Analyte	CCV 240-230711/10-A 05/17/2016 15:52				CCV 240-230711/10-A 05/17/2016 16:18							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.76		5.00	95	4.85		5.00	97				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 240-230711/8-A 05/17/2016 14:51		CCB 240-230711/11-A 05/17/2016 14:58		CCB 240-230711/11-A 05/17/2016 15:26		CCB 240-230711/11-A 05/17/2016 15:54	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.60	0.090	U	0.090	U	0.090	U	0.090	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 240-230711/11-A 05/17/2016 16:21							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.60	0.090	U						

Italicized analytes were not requested for this sequence.

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Instrument ID: H1 Analysis Method: 7471A

Start Date: 05/18/2016 06:41 End Date: 05/18/2016 09:58

Lab Sample Id	D/F	Type	Time	Analytes
				Hg
IC 240-230711/1-A			06:41	X
IC 240-230711/2-A			06:43	X
IC 240-230711/3-A			06:46	X
IC 240-230711/4-A			06:48	X
IC 240-230711/5-A			06:50	X
IC 240-230711/6-A			06:52	X
ICV 240-230711/7-A	1		06:56	X
ICB 240-230711/8-A	1		06:59	X
CRA 240-230711/9-A	1		07:01	X
CCV 240-230711/10-A	1		07:43	X
CCB 240-230711/11-A	1		07:45	X
MB 240-230693/1-A	1	T	07:47	X
LCS 240-230693/2-A	1	T	07:50	X
ZZZZZZ			07:52	
ZZZZZZ			07:54	
ZZZZZZ			07:57	
ZZZZZZ			07:59	
ZZZZZZ			08:03	
ZZZZZZ			08:05	
ZZZZZZ			08:07	
ZZZZZZ			08:09	
CCV 240-230711/10-A	1		08:11	X
CCB 240-230711/11-A	1		08:14	X
ZZZZZZ			08:16	
ZZZZZZ			08:18	
240-64678-1	1	T	08:20	X
240-64678-2	1	T	08:22	X
240-64678-3	1	T	08:25	X
240-64678-4	1	T	08:27	X
240-64678-5	1	T	08:29	X
240-64678-6	1	T	08:31	X
240-64678-7	1	T	08:34	X
240-64678-8	1	T	08:36	X
CCV 240-230711/10-A	1		08:38	X
CCB 240-230711/11-A	1		08:40	X
240-64678-9	1	T	08:43	X
240-64678-10	1	T	08:45	X
240-64678-11	1	T	08:47	X
240-64678-12	1	T	08:49	X
MB 240-230664/1-A	1	T	08:52	X
LCS 240-230664/2-A	1	T	08:54	X
ZZZZZZ			08:56	

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Instrument ID: H1 Analysis Method: 7471A

Start Date: 05/18/2016 06:41 End Date: 05/18/2016 09:58

Lab Sample Id	D/F	Type	Time	Analytes																								
				Hg																								
ZZZZZZ			08:58																									
ZZZZZZ			09:00																									
240-64634-15	1	T	09:03	X																								
CCV 240-230711/10-A	1		09:06	X																								
CCB 240-230711/11-A	1		09:08	X																								
240-64634-16	1	T	09:10	X																								
240-64634-17	1	T	09:12	X																								
240-64634-18	1	T	09:15	X																								
240-64634-19	1	T	09:17	X																								
240-64634-20	1	T	09:19	X																								
240-64634-21	1	T	09:21	X																								
240-64634-22	1	T	09:24	X																								
240-64634-23	1	T	09:26	X																								
240-64634-24	1	T	09:28	X																								
240-64634-25	1	T	09:31	X																								
CCV 240-230711/10-A	1		09:33	X																								
CCB 240-230711/11-A	1		09:35	X																								
ZZZZZZ			09:37																									
ZZZZZZ			09:40																									
ZZZZZZ			09:42																									
ZZZZZZ			09:44																									
ZZZZZZ			09:47																									
ZZZZZZ			09:49																									
ZZZZZZ			09:51																									
ZZZZZZ			09:53																									
CCV 240-230711/10-A			09:56																									
CCB 240-230711/11-A			09:58																									

Prep Types:
T = Total/NA

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

ICV Source: MTHgICV_00001_00001 Concentration Units: ug/L

CCV Source: MTHGCALW_01208

Analyte	ICV 240-230711/7-A 05/18/2016 06:56				CCV 240-230711/10-A 05/18/2016 07:43				CCV 240-230711/10-A 05/18/2016 08:11			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.88		5.00	98	4.83		5.00	97	4.85		5.00	97

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.: 240-64634-1

SDG No.:

ICV Source: MTHgICV_00001_00001 Concentration Units: ug/L

CCV Source: MTHGCALW_01208

Analyte	CCV 240-230711/10-A 05/18/2016 08:38				CCV 240-230711/10-A 05/18/2016 09:06				CCV 240-230711/10-A 05/18/2016 09:33			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.73		5.00	95	4.67		5.00	93	4.48		5.00	90

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 240-230711/8-A 05/18/2016 06:59		CCB 240-230711/11-A 05/18/2016 07:45		CCB 240-230711/11-A 05/18/2016 08:14		CCB 240-230711/11-A 05/18/2016 08:40	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.60	0.090	U	0.090	U	0.090	U	0.090	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 240-230711/11-A 05/18/2016 09:08		CCB 240-230711/11-A 05/18/2016 09:35					
		Found	C	Found	C	Found	C	Found	C
Mercury	0.60	0.090	U	0.090	U				

Italicized analytes were not requested for this sequence.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Batch Number: 230062 Batch Start Date: 05/12/16 11:23 Batch Analyst: Elshaw, Dale

Batch Method: 3050B Batch End Date: 05/12/16 18:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MT1TO1HN03 01240	MTAGSPIKEW 00057	MTH202 00063
MB 240-230062/1		3050B, 6010C		CALC NOT SET TO RUN	1.00 g	100 mL	10 mL		10 mL
LCS 240-230062/2		3050B, 6010C		CALC NOT SET TO RUN	1.00 g	100 mL	10 mL	2 mL	10 mL
240-64634-A-1-A	DR-TG4S-050916	3050B, 6010C	T	CALC NOT SET TO RUN	1.00 g	100 mL	10 mL		10 mL
240-64634-A-2-A	DR-TG4N-050916	3050B, 6010C	T	CALC NOT SET TO RUN	1.02 g	100 mL	10 mL		10 mL
240-64634-A-3-A	DR-TG5N-050916	3050B, 6010C	T	CALC NOT SET TO RUN	1.13 g	100 mL	10 mL		10 mL
240-64634-A-4-A	DR-TG5S-050916	3050B, 6010C	T	CALC NOT SET TO RUN	1.12 g	100 mL	10 mL		10 mL
240-64634-A-5-A	DR-TG6N-050916	3050B, 6010C	T	CALC NOT SET TO RUN	1.28 g	100 mL	10 mL		10 mL
240-64634-A-6-A	DR-TG6S-050916	3050B, 6010C	T	CALC NOT SET TO RUN	1.19 g	100 mL	10 mL		10 mL
240-64634-A-7-A	DR-TL1N-050916	3050B, 6010C	T	CALC NOT SET TO RUN	1.09 g	100 mL	10 mL		10 mL
240-64634-A-8-A	DR-TL1S-050916	3050B, 6010C	T	CALC NOT SET TO RUN	1.45 g	100 mL	10 mL		10 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTICP1 00051	MTICP2A 00059	MTTMHCL 00110	MTTMHNO3 00086		
MB 240-230062/1		3050B, 6010C				10 mL	5 mL		
LCS 240-230062/2		3050B, 6010C		2 mL	2 mL	10 mL	5 mL		
240-64634-A-1-A	DR-TG4S-050916	3050B, 6010C	T			10 mL	5 mL		
240-64634-A-2-A	DR-TG4N-050916	3050B, 6010C	T			10 mL	5 mL		
240-64634-A-3-A	DR-TG5N-050916	3050B, 6010C	T			10 mL	5 mL		
240-64634-A-4-A	DR-TG5S-050916	3050B, 6010C	T			10 mL	5 mL		
240-64634-A-5-A	DR-TG6N-050916	3050B, 6010C	T			10 mL	5 mL		
240-64634-A-6-A	DR-TG6S-050916	3050B, 6010C	T			10 mL	5 mL		
240-64634-A-7-A	DR-TL1N-050916	3050B, 6010C	T			10 mL	5 mL		
240-64634-A-8-A	DR-TL1S-050916	3050B, 6010C	T			10 mL	5 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.: 240-64634-1

SDG No.:

Batch Number: 230062 Batch Start Date: 05/12/16 11:23 Batch Analyst: Elshaw, Dale

Batch Method: 3050B Batch End Date: 05/12/16 18:00

Batch Notes	
Balance ID	b039
Blank Soil Lot Number	r674-6a012
Filter Paper ID	9656618
Hot Block ID	a1 c3
Pipette ID	MP1-A2-MP5
Digestion Tube/Cup ID	160404

Basis	Basis Description
T	Total/NA

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.: 240-64634-1

SDG No.:

Batch Number: 230452 Batch Start Date: 05/16/16 10:29 Batch Analyst: Elshaw, Dale

Batch Method: 3050B Batch End Date: 05/16/16 18:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MT1TO1HN03 01241	MTAGSPIKEW 00057	MTH202 00063
MB 240-230452/1		3050B, 6010C		CALC NOT SET TO RUN	1.00 g	100 mL	10 mL		10 mL
LCS 240-230452/2		3050B, 6010C		CALC NOT SET TO RUN	1.00 g	100 mL	10 mL	2 mL	10 mL
240-64634-A-9-A	DR-TLDUP1-050916	3050B, 6010C	T	CALC NOT SET TO RUN	1.06 g	100 mL	10 mL		10 mL
240-64634-A-10-A	DR-TL4N-050916	3050B, 6010C	T	CALC NOT SET TO RUN	1.13 g	100 mL	10 mL		10 mL
240-64634-A-11-A	DR-TL4S-050916	3050B, 6010C	T	CALC NOT SET TO RUN	1.16 g	100 mL	10 mL		10 mL
240-64634-A-12-A	DR-TLDUP2-050916	3050B, 6010C	T	CALC NOT SET TO RUN	1.22 g	100 mL	10 mL		10 mL
240-64634-A-13-A	DR-TL10S-050916	3050B, 6010C	T	CALC NOT SET TO RUN	1.12 g	100 mL	10 mL		10 mL
240-64634-A-14-A	DR-TL10N-050916	3050B, 6010C	T	CALC NOT SET TO RUN	1.06 g	100 mL	10 mL		10 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTICP1 00051	MTICP2A 00059	MTTMHCL 00110	MTTMHNO3 00086		
MB 240-230452/1		3050B, 6010C				10 mL	5 mL		
LCS 240-230452/2		3050B, 6010C		2 mL	2 mL	10 mL	5 mL		
240-64634-A-9-A	DR-TLDUP1-050916	3050B, 6010C	T			10 mL	5 mL		
240-64634-A-10-A	DR-TL4N-050916	3050B, 6010C	T			10 mL	5 mL		
240-64634-A-11-A	DR-TL4S-050916	3050B, 6010C	T			10 mL	5 mL		
240-64634-A-12-A	DR-TLDUP2-050916	3050B, 6010C	T			10 mL	5 mL		
240-64634-A-13-A	DR-TL10S-050916	3050B, 6010C	T			10 mL	5 mL		
240-64634-A-14-A	DR-TL10N-050916	3050B, 6010C	T			10 mL	5 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.: 240-64634-1

SDG No.:

Batch Number: 230452 Batch Start Date: 05/16/16 10:29 Batch Analyst: Elshaw, Dale

Batch Method: 3050B Batch End Date: 05/16/16 18:00

Batch Notes	
Balance ID	b039
Blank Soil Lot Number	r674-6a012
Filter Paper ID	9656618
Hot Block ID	a1 a2
Pipette ID	A2-MP5
Digestion Tube/Cup ID	160404

Basis	Basis Description
T	Total/NA

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.: 240-64634-1

SDG No.:

Batch Number: 230660 Batch Start Date: 05/17/16 10:56 Batch Analyst: Elshaw, Dale

Batch Method: 3050B Batch End Date: 05/17/16 18:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MT1TO1HN03 01242	MTAGSPIKEW 00057	MTH202 00063
MB 240-230660/1		3050B, 6010C		CALC NOT SET TO RUN	1.00 g	100 mL	10 mL		10 mL
LCS 240-230660/2		3050B, 6010C		CALC NOT SET TO RUN	1.00 g	100 mL	10 mL	2 mL	10 mL
240-64634-A-15-A	DR-TL9N-050916	3050B, 6010C	T	CALC NOT SET TO RUN	1.05 g	100 mL	10 mL		10 mL
240-64634-A-16-A	DR-TL9S-050916	3050B, 6010C	T	CALC NOT SET TO RUN	1.19 g	100 mL	10 mL		10 mL
240-64634-A-17-A	DR-TL12N-050916	3050B, 6010C	T	CALC NOT SET TO RUN	1.03 g	100 mL	10 mL		10 mL
240-64634-A-18-A	DR-TL12S-050916	3050B, 6010C	T	CALC NOT SET TO RUN	1.08 g	100 mL	10 mL		10 mL
240-64634-A-19-A	DR-TL6N-050916	3050B, 6010C	T	CALC NOT SET TO RUN	1.47 g	100 mL	10 mL		10 mL
240-64634-A-20-A	DR-TL6S-050916	3050B, 6010C	T	CALC NOT SET TO RUN	1.18 g	100 mL	10 mL		10 mL
240-64634-A-21-A	DR-TL2N-050916	3050B, 6010C	T	CALC NOT SET TO RUN	1.21 g	100 mL	10 mL		10 mL
240-64634-A-22-A	DR-TL2S-050916	3050B, 6010C	T	CALC NOT SET TO RUN	1.14 g	100 mL	10 mL		10 mL
240-64634-A-23-A	DR-TLDUP3-050916	3050B, 6010C	T	CALC NOT SET TO RUN	1.14 g	100 mL	10 mL		10 mL
240-64634-A-24-A	DR-TL18N-050916	3050B, 6010C	T	CALC NOT SET TO RUN	1.38 g	100 mL	10 mL		10 mL
240-64634-A-25-A	DR-TL18S-050916	3050B, 6010C	T	CALC NOT SET TO RUN	1.33 g	100 mL	10 mL		10 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTICP1 00051	MTICP2A 00059	MTTMHCL 00110	MTTMHNO3 00086		
MB 240-230660/1		3050B, 6010C				10 mL	5 mL		
LCS 240-230660/2		3050B, 6010C		2 mL	2 mL	10 mL	5 mL		
240-64634-A-15-A	DR-TL9N-050916	3050B, 6010C	T			10 mL	5 mL		
240-64634-A-16-A	DR-TL9S-050916	3050B, 6010C	T			10 mL	5 mL		
240-64634-A-17-A	DR-TL12N-050916	3050B, 6010C	T			10 mL	5 mL		
240-64634-A-18-A	DR-TL12S-050916	3050B, 6010C	T			10 mL	5 mL		
240-64634-A-19-A	DR-TL6N-050916	3050B, 6010C	T			10 mL	5 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.: 240-64634-1

SDG No.:

Batch Number: 230660 Batch Start Date: 05/17/16 10:56 Batch Analyst: Elshaw, Dale

Batch Method: 3050B Batch End Date: 05/17/16 18:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTICP1 00051	MTICP2A 00059	MTTMHCL 00110	MTTMHNO3 00086		
240-64634-A-20-A	DR-TL6S-050916	3050B, 6010C	T			10 mL	5 mL		
240-64634-A-21-A	DR-TL2N-050916	3050B, 6010C	T			10 mL	5 mL		
240-64634-A-22-A	DR-TL2S-050916	3050B, 6010C	T			10 mL	5 mL		
240-64634-A-23-A	DR-TLDUP3-050916	3050B, 6010C	T			10 mL	5 mL		
240-64634-A-24-A	DR-TL18N-050916	3050B, 6010C	T			10 mL	5 mL		
240-64634-A-25-A	DR-TL18S-050916	3050B, 6010C	T			10 mL	5 mL		

Batch Notes	
Balance ID	b039
Blank Soil Lot Number	r674-6a012
Filter Paper ID	9656618
Hot Block ID	a1 a2
Pipette ID	MP2-MP5
Digestion Tube/Cup ID	160404

Basis	Basis Description
T	Total/NA

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.: 240-64634-1

SDG No.:

Batch Number: 230678 Batch Start Date: 05/17/16 11:55 Batch Analyst: Elshaw, Dale

Batch Method: 3050B Batch End Date: 05/17/16 18:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MT1TO1HN03 01242	MTAGSPIKEW 00057	MTH202 00063
MB 240-230678/1		3050B, 6010C		CALC NOT SET TO RUN	1.00 g	100 mL	10 mL		10 mL
LCS 240-230678/2		3050B, 6010C		CALC NOT SET TO RUN	1.00 g	100 mL	10 mL	2 mL	10 mL
240-64678-A-1-A	DR-TL3N-051016	3050B, 6010C	T	CALC NOT SET TO RUN	1.36 g	100 mL	10 mL		10 mL
240-64678-A-2-A	DR-TL3S-051016	3050B, 6010C	T	CALC NOT SET TO RUN	1.06 g	100 mL	10 mL		10 mL
240-64678-A-3-A	DR-TL11N-051016	3050B, 6010C	T	CALC NOT SET TO RUN	1.20 g	100 mL	10 mL		10 mL
240-64678-A-4-A	DR-TL11S-051016	3050B, 6010C	T	CALC NOT SET TO RUN	1.18 g	100 mL	10 mL		10 mL
240-64678-A-5-A	DR-TL13N-051016	3050B, 6010C	T	CALC NOT SET TO RUN	1.17 g	100 mL	10 mL		10 mL
240-64678-A-6-A	DR-TL13S-051016	3050B, 6010C	T	CALC NOT SET TO RUN	1.09 g	100 mL	10 mL		10 mL
240-64678-A-7-A	DR-TL14N-051016	3050B, 6010C	T	CALC NOT SET TO RUN	1.11 g	100 mL	10 mL		10 mL
240-64678-A-8-A	DR-TL14S-051016	3050B, 6010C	T	CALC NOT SET TO RUN	1.41 g	100 mL	10 mL		10 mL
240-64678-A-9-A	DR-TL15N-051016	3050B, 6010C	T	CALC NOT SET TO RUN	1.12 g	100 mL	10 mL		10 mL
240-64678-A-10-A	DR-TL15S-051016	3050B, 6010C	T	CALC NOT SET TO RUN	1.31 g	100 mL	10 mL		10 mL
240-64678-A-11-A	DR-TL16N-051016	3050B, 6010C	T	CALC NOT SET TO RUN	1.03 g	100 mL	10 mL		10 mL
240-64678-A-12-A	DR-TL16S-051016	3050B, 6010C	T	CALC NOT SET TO RUN	1.03 g	100 mL	10 mL		10 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTICP1 00051	MTICP2A 00059	MTTMHCL 00110	MTTMHNO3 00086		
MB 240-230678/1		3050B, 6010C				10 mL	5 mL		
LCS 240-230678/2		3050B, 6010C		2 mL	2 mL	10 mL	5 mL		
240-64678-A-1-A	DR-TL3N-051016	3050B, 6010C	T			10 mL	5 mL		
240-64678-A-2-A	DR-TL3S-051016	3050B, 6010C	T			10 mL	5 mL		
240-64678-A-3-A	DR-TL11N-051016	3050B, 6010C	T			10 mL	5 mL		
240-64678-A-4-A	DR-TL11S-051016	3050B, 6010C	T			10 mL	5 mL		
240-64678-A-5-A	DR-TL13N-051016	3050B, 6010C	T			10 mL	5 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.: 240-64634-1

SDG No.:

Batch Number: 230678 Batch Start Date: 05/17/16 11:55 Batch Analyst: Elshaw, Dale

Batch Method: 3050B Batch End Date: 05/17/16 18:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTICP1 00051	MTICP2A 00059	MTTMHCL 00110	MTTMHNO3 00086		
240-64678-A-6-A	DR-TL13S-051016	3050B, 6010C	T			10 mL	5 mL		
240-64678-A-7-A	DR-TL14N-051016	3050B, 6010C	T			10 mL	5 mL		
240-64678-A-8-A	DR-TL14S-051016	3050B, 6010C	T			10 mL	5 mL		
240-64678-A-9-A	DR-TL15N-051016	3050B, 6010C	T			10 mL	5 mL		
240-64678-A-10-A	DR-TL15S-051016	3050B, 6010C	T			10 mL	5 mL		
240-64678-A-11-A	DR-TL16N-051016	3050B, 6010C	T			10 mL	5 mL		
240-64678-A-12-A	DR-TL16S-051016	3050B, 6010C	T			10 mL	5 mL		

Batch Notes	
Balance ID	b039
Blank Soil Lot Number	r674-6a012
Filter Paper ID	9656618
Hot Block ID	a1 a2
Pipette ID	MP2-MP5
Digestion Tube/Cup ID	160404

Basis	Basis Description
T	Total/NA

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.: 240-64634-1

SDG No.:

Batch Number: 230070 Batch Start Date: 05/12/16 15:00 Batch Analyst: Elshaw, Dale

Batch Method: 7471A Batch End Date: 05/12/16 15:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 01332	MTHGCALW 01204	MTKMN04W 00106	
MB 240-230070/1		7471A, 7471A		0.60 g	100 mL	5 mL		15 mL	
LCS 240-230070/2		7471A, 7471A		0.60 g	100 mL	5 mL	5 mL	15 mL	
240-64634-A-1-A	DR-TG4S-050916	7471A, 7471A	T	0.58 g	100 mL	5 mL		15 mL	
240-64634-A-2-A	DR-TG4N-050916	7471A, 7471A	T	0.57 g	100 mL	5 mL		15 mL	
240-64634-A-3-A	DR-TG5N-050916	7471A, 7471A	T	0.55 g	100 mL	5 mL		15 mL	
240-64634-A-4-A	DR-TG5S-050916	7471A, 7471A	T	0.64 g	100 mL	5 mL		15 mL	
240-64634-A-5-A	DR-TG6N-050916	7471A, 7471A	T	0.65 g	100 mL	5 mL		15 mL	
240-64634-A-6-A	DR-TG6S-050916	7471A, 7471A	T	0.58 g	100 mL	5 mL		15 mL	
240-64634-A-7-A	DR-TL1N-050916	7471A, 7471A	T	0.53 g	100 mL	5 mL		15 mL	
240-64634-A-8-A	DR-TL1S-050916	7471A, 7471A	T	0.62 g	100 mL	5 mL		15 mL	

Batch Notes	
Balance ID	b039
Batch Comment	Take out temps in range
Blank Soil Lot Number	r674-6a012
Hot Block ID	a1 c3
Pipette ID	MP1-A2-MP5
Digestion Tube/Cup ID	160404

Basis	Basis Description
T	Total/NA

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.: 240-64634-1

SDG No.:

Batch Number: 230426 Batch Start Date: 05/13/16 08:10 Batch Analyst: Dillon, William K

Batch Method: 7471A Batch End Date: 05/13/16 08:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 01333	MTHGCALW 01205	MTHgStd 00020	MTKMN04W 00107
ICV 240-230426/7		7471A, 7471A		100 mL	100 mL	5 mL		0.5 mL	15 mL
ICB 240-230426/8		7471A, 7471A		100 mL	100 mL	5 mL			15 mL
CRA 240-230426/9		7471A, 7471A		100 mL	100 mL	5 mL	0.2 mL		15 mL
CCV 240-230426/10		7471A, 7471A		100 mL	100 mL	5 mL	5 mL		15 mL
CCB 240-230426/11		7471A, 7471A		100 mL	100 mL	5 mL			15 mL

Batch Notes	
Batch Comment	take out temp in range
Hot Block ID	C3
Pipette ID	MP1, MP3
Digestion Tube/Cup ID	1509104

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.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-64634-1

SDG No.:

Batch Number: 230459 Batch Start Date: 05/16/16 15:00 Batch Analyst: Elshaw, Dale

Batch Method: 7471A Batch End Date: 05/16/16 15:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 01334	MTHGCALW 01206	MTKMN04W 00107	
MB 240-230459/1		7471A, 7471A		0.60 g	100 mL	5 mL		15 mL	
LCS 240-230459/2		7471A, 7471A		0.60 g	100 mL	5 mL	5 mL	15 mL	
240-64634-A-9-A	DR-TLDUP1-050916	7471A, 7471A	T	0.61 g	100 mL	5 mL		15 mL	
240-64634-A-10-A	DR-TL4N-050916	7471A, 7471A	T	0.60 g	100 mL	5 mL		15 mL	
240-64634-A-11-A	DR-TL4S-050916	7471A, 7471A	T	0.53 g	100 mL	5 mL		15 mL	
240-64634-A-12-A	DR-TLDUP2-050916	7471A, 7471A	T	0.54 g	100 mL	5 mL		15 mL	
240-64634-A-13-A	DR-TL10S-050916	7471A, 7471A	T	0.62 g	100 mL	5 mL		15 mL	
240-64634-A-14-A	DR-TL10N-050916	7471A, 7471A	T	0.61 g	100 mL	5 mL		15 mL	

Batch Notes	
Balance ID	b039
Batch Comment	Take out temps in range
Blank Soil Lot Number	r674-6a012
Hot Block ID	c2
Pipette ID	MP1-A2-MP5
Digestion Tube/Cup ID	1509104

Basis	Basis Description
T	Total/NA

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.: 240-64634-1

SDG No.:

Batch Number: 230664 Batch Start Date: 05/17/16 15:00 Batch Analyst: Elshaw, Dale

Batch Method: 7471A Batch End Date: 05/17/16 15:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 01335	MTHGCALW 01208	MTKMN04W 00107	
MB 240-230664/1		7471A, 7471A		0.60 g	100 mL	5 mL		15 mL	
LCS 240-230664/2		7471A, 7471A		0.60 g	100 mL	5 mL	5 mL	15 mL	
240-64634-A-15-A	DR-TL9N-050916	7471A, 7471A	T	0.54 g	100 mL	5 mL		15 mL	
240-64634-A-16-A	DR-TL9S-050916	7471A, 7471A	T	0.57 g	100 mL	5 mL		15 mL	
240-64634-A-17-A	DR-TL12N-050916	7471A, 7471A	T	0.64 g	100 mL	5 mL		15 mL	
240-64634-A-18-A	DR-TL12S-050916	7471A, 7471A	T	0.61 g	100 mL	5 mL		15 mL	
240-64634-A-19-A	DR-TL6N-050916	7471A, 7471A	T	0.59 g	100 mL	5 mL		15 mL	
240-64634-A-20-A	DR-TL6S-050916	7471A, 7471A	T	0.63 g	100 mL	5 mL		15 mL	
240-64634-A-21-A	DR-TL2N-050916	7471A, 7471A	T	0.62 g	100 mL	5 mL		15 mL	
240-64634-A-22-A	DR-TL2S-050916	7471A, 7471A	T	0.58 g	100 mL	5 mL		15 mL	
240-64634-A-23-A	DR-TLDUP3-050916	7471A, 7471A	T	0.51 g	100 mL	5 mL		15 mL	
240-64634-A-24-A	DR-TL18N-050916	7471A, 7471A	T	0.55 g	100 mL	5 mL		15 mL	
240-64634-A-25-A	DR-TL18S-050916	7471A, 7471A	T	0.51 g	100 mL	5 mL		15 mL	

Batch Notes	
Balance ID	b039
Batch Comment	Take out temps in range
Blank Soil Lot Number	r674-6a012
Hot Block ID	c2
Pipette ID	MP1-MP2-MP5
Digestion Tube/Cup ID	1509104

Basis	Basis Description
T	Total/NA

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.: 240-64634-1

SDG No.:

Batch Number: 230693 Batch Start Date: 05/17/16 15:00 Batch Analyst: Elshaw, Dale

Batch Method: 7471A Batch End Date: 05/17/16 15:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 01335	MTHGCALW 01208	MTKMN04W 00107	
MB 240-230693/1		7471A, 7471A		0.60 g	100 mL	5 mL		15 mL	
LCS 240-230693/2		7471A, 7471A		0.60 g	100 mL	5 mL	5 mL	15 mL	
240-64678-A-1-A	DR-TL3N-051016	7471A, 7471A	T	0.67 g	100 mL	5 mL		15 mL	
240-64678-A-2-A	DR-TL3S-051016	7471A, 7471A	T	0.64 g	100 mL	5 mL		15 mL	
240-64678-A-3-A	DR-TL11N-051016	7471A, 7471A	T	0.60 g	100 mL	5 mL		15 mL	
240-64678-A-4-A	DR-TL11S-051016	7471A, 7471A	T	0.61 g	100 mL	5 mL		15 mL	
240-64678-A-5-A	DR-TL13N-051016	7471A, 7471A	T	0.55 g	100 mL	5 mL		15 mL	
240-64678-A-6-A	DR-TL13S-051016	7471A, 7471A	T	0.51 g	100 mL	5 mL		15 mL	
240-64678-A-7-A	DR-TL14N-051016	7471A, 7471A	T	0.56 g	100 mL	5 mL		15 mL	
240-64678-A-8-A	DR-TL14S-051016	7471A, 7471A	T	0.62 g	100 mL	5 mL		15 mL	
240-64678-A-9-A	DR-TL15N-051016	7471A, 7471A	T	0.58 g	100 mL	5 mL		15 mL	
240-64678-A-10-A	DR-TL15S-051016	7471A, 7471A	T	0.62 g	100 mL	5 mL		15 mL	
240-64678-A-11-A	DR-TL16N-051016	7471A, 7471A	T	0.64 g	100 mL	5 mL		15 mL	
240-64678-A-12-A	DR-TL16S-051016	7471A, 7471A	T	0.55 g	100 mL	5 mL		15 mL	

Batch Notes	
Balance ID	b039
Batch Comment	Take out temps in range
Blank Soil Lot Number	r674-6a012
Hot Block ID	c1
Pipette ID	MP1-MP2-MP5
Digestion Tube/Cup ID	1509104

Basis	Basis Description
T	Total/NA

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.: 240-64634-1

SDG No.:

Batch Number: 230711 Batch Start Date: 05/17/16 13:30 Batch Analyst: Dillon, William K

Batch Method: 7471A Batch End Date: 05/17/16 14:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 01335	MTHGCALW 01208	MTHgICV_00001 00001	MTKMN04W 00107
ICV 240-230711/7		7471A, 7471A		100 mL	100 mL	5 mL		5 mL	15 mL
ICB 240-230711/8		7471A, 7471A		100 mL	100 mL	5 mL			15 mL
CRA 240-230711/9		7471A, 7471A		100 mL	100 mL	5 mL	0.2 mL		15 mL
CCV 240-230711/10		7471A, 7471A		100 mL	100 mL	5 mL	5 mL		15 mL
CCB 240-230711/11		7471A, 7471A		100 mL	100 mL	5 mL			15 mL

Batch Notes	
Batch Comment	take out temp in range
Hot Block ID	C3
Pipette ID	MP1, MP3
Digestion Tube/Cup ID	1509104

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.

APPENDIX D—CHEMICAL DATA TABLES