
Summary Report for Soil and Groundwater Delineation— Block E, UST 2 Lockheed Martin Middle River Complex, Middle River, Maryland

Tetra Tech, Inc. (Tetra Tech) has prepared this report summarizing groundwater and soil delineation activities conducted April 8–17, 2014 near underground storage tank (UST) 2 in Block E at the Lockheed Martin Corporation (Lockheed Martin) Middle River Complex (MRC) in Middle River, Maryland. USTs 1 and 2 were discovered in Block E during installation of the groundwater remediation system. UST 1, with a nominal 500-gallon capacity, contained relatively low concentrations of petroleum constituents. UST 2, with a nominal 250-gallon capacity, contained full strength waste trichloroethene (TCE) product and high concentrations of other volatile organic compounds (VOCs). Both tanks contained solid materials and sludge, and their contents had leaked into underlying soil over time.

The tanks were discovered on July 18–19, 2013. The tanks' contents were transferred to drums that subsequently were properly disposed of off-site. Under Maryland Department of the Environment (MDE) supervision, the tanks were removed from the ground and cleaned on July 31, 2013. The excavations extended six to seven feet below grade. Soil removal near the USTs was completed on July 31 and August 26, 2013; two 20-cubic yard roll-off boxes (lined and covered) were filled with soil. This soil was characterized and then disposed of on November 11, 2013. Following soil removal, the excavations were backfilled with crusher run gravel.

Groundwater levels measured in area wells are approximately five to six feet below grade; injection wells in this area were screened from 15 to 35 feet below grade. Water was collected in the excavations, but whether the water came from the hydrogeologic formation, infiltrated from beneath the nearby Building D foundation, or came from storm drains and French drains in the area is unknown.

The investigation consisted of the following activities:

- Subcontractors and Tetra Tech personnel were mobilized to the field, including ordering of equipment and materials and oversight of utility clearance activities. Active “Miss Utility” tickets were already open for the proposed delineation locations. Enviroscan, Inc. (Enviroscan) cleared site utilities in accordance with Lockheed Martin *Enterprise Operations—28* and the *Lockheed Martin Minimum Requirements for Intrusive Fieldwork Work Plan*.
- A geophysical survey of the former Building D site was conducted along a 10- to 15-foot-wide swath around portions of the building perimeter to identify unknown USTs and utilities. An area west of the foundation could not be accessed because it is heavily vegetated. Neither was a section of the area north of the foundation surveyed because this area contains up to 20 feet of fill material; therefore, possible USTs and utilities located below the original ground surface were out of range of the survey instruments. Initial field activities included an electromagnetic (EM) survey of the accessible portions of the building perimeter using an EM-61. The EM-61 data were then rough-processed to determine areas of suspected anomalies. The accessible areas were then scanned with ground-penetrating radar (GPR), paying special attention to anomalous areas identified during the EM survey. Following completion of these field activities, Enviroscan provided a report containing figures, analyses, and data interpretation (Attachment A). This report indicates two anomalies that appear consistent with USTs and seven others that are characteristic of USTs.
- Soil and groundwater sampling were conducted near UST 2 using direct-push technology (DPT) (i.e., steel push probes):
 - Borings were advanced using a mobile DPT drill rig operated by a Maryland-licensed driller. Soil samples were collected using disposable sample collection sleeves (DPT macrocores) that allow soil to be collected in four-foot-long discrete intervals. Groundwater samples were collected via the dual-tube (DT) sampling system, using 2.25- or 3.25-inch outer-diameter probe rods as an outer casing, and 1.0- or 1.25-inch outer-diameter rods for the inner rod string. A reusable three-foot-long stainless-steel groundwater sampler fitted with a one-foot screen was used to collect the groundwater samples. Push rods and stainless steel samplers/screens were decontaminated between samples. Boreholes were pressure grouted from the bottom of the borehole to ground surface using a tremie pipe. Horizontal coordinates for each boring were obtained using a global positioning system (GPS). Boring logs and sample record sheets are provided in Attachment B.
 - Soil borings were advanced at three locations (E-SB-1359 through E-SB-1361), as shown in Figure 1; two borings were advanced to a depth of 28 feet, and one was advanced to a depth of 35 feet. Soil from all borings was logged according to the Unified Soil Classification System (USCS) and screened for VOCs by monitoring headspace samples of soil using a portable photoionization detector (PID). The lithologic and field PID data were used to construct a lithological cross-section of the UST 2 area, which will be provided in the full UST 2 report.

- Soil samples for laboratory VOC analyses were collected from four to six depths using Terra Core[®] samplers. These samples were submitted to an off-site laboratory for VOC analysis. The target depths of the samples were amended in the field based on field screening and lithological observations.
- Groundwater samples were collected via peristaltic pump from three locations (E-SB-1362 through E-SB-1364) shown on Figure 2 at four to six depths (at approximately 10, 15, 20, 25, 28, and 32 feet below grade). The exact sample intervals were determined based on review of the lithology of the adjacent soil boring (E-SB-1359 through E-SB-1361), and available groundwater. All samples were analyzed for VOCs at an off-site laboratory.
- All samples were analyzed at the laboratory within a five-day turnaround. Sample container and preservation requirements are presented on the chain-of-custody forms in the data validation reports (Attachment C).
- Investigation-derived waste (IDW) was generated during characterization sampling and consisted of all drill and soil cuttings, decontamination rinse water, excess soil from sampling, purge water, and personal protective equipment (PPE). PPE IDW was placed in trash bags and into a facility trash receptacle to be disposed of as general refuse. Soil cuttings and water were collected and stored in United States Department of Transportation (USDOT)-approved 55-gallon drums. IDW was characterized and disposed of in accordance with applicable state and federal regulations and the MRC waste management plan.

Sampling results for soil near UST 2 in Table 1 are compared to the MDE residential and non-residential soil cleanup standards. Soil sampling results exceeding MDE residential soil standards are illustrated in Figure 1. Sampling results do not exceed the non-residential soil standards. A table including all soil sampling results (including non-detect concentrations) is in Attachment C. TCE is the only VOC detected above its MDE residential soil standard. TCE was detected in all 15 soil samples at concentrations ranging from 0.89J¹ micrograms per kilogram (µg/kg) (E-SB-1359-28) to 6,300 µg/kg (E-SB-1361-20 and E-SB-1361-25). TCE in five samples exceeded the MDE residential soil standard (1,600 µg/kg), but all TCE concentrations were below the MDE non-residential-soil standard (7,200 µg/kg).

The UST 2 groundwater sampling results in Table 2 are compared to the MDE groundwater cleanup standards. TCE, *cis*-1,2-dichloroethene (*cis*-1,2-DCE), and vinyl chloride (VC) were found at concentrations exceeding their respective MDE groundwater standards.

¹J indicates that the analyte is considered present in the sample. However, the value is estimated and may not be accurate or precise.

Groundwater-sample results exceeding standards are illustrated in Figure 2. A table including all groundwater sampling results (including the non-detect concentrations) is in Attachment C. Groundwater results are summarized below:

- TCE was detected in all 15 samples at concentrations ranging from 0.56J µg/L (E-SB-1362-24) to 180,000 µg/L (E-SB-1364-24). Thirteen samples had TCE concentrations exceeding the MDE groundwater standard (5 µg/L).
- *cis*-1,2-DCE was detected in eight samples at concentrations ranging from 0.23J µg/L (E-SB-1363-16) to 480J µg/L (E-SB-1364-12), but only the maximum detected concentration (480J µg/L) at E-SB-1364-12 exceeds the MDE groundwater standard (70 µg/L).
- An exceedance (11J µg/L) of VC was detected in one sample (E-SB-1363-12) at a concentration more than five times its groundwater standard (2 µg/L).

The laboratory diluted samples that contained significantly high VOC concentrations (all samples from boring E-SB-1364) to ensure that the results were within instrument calibration. Consequently, the detection limits for most VOCs in these sample analyses were increased to levels above the MDE groundwater standards. Most VOCs were not detected at these higher detection limits, and therefore cannot be compared to the groundwater standards.

TABLES

Table 1

Chemical Results for Soil Samples - April 2014
Summary Report for Soil and Groundwater Delineation—Block E UST 2
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LOCATION	MDE non-residential cleanup standard (ug/kg)	MDE residential cleanup standard (ug/kg)	MRC-E-SB-1359			
SAMPLE ID			MRC-E-SB-1359-15	MRC-E-SB-1359-20	MRC-E-SB-1359-25	MRC-E-SB-1359-28
SAMPLE DATE			20140417	20140417	20140417	20140417
MATRIX			SO	SO	SO	SO
TOP DEPTH- FEET BELOW GRADE			13	18	23	26
BOTTOM DEPTH- FEET BELOW GRADE	15	20	25	28		
VOLATILE ORGANIC COMPOUNDS (ug/kg)						
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	--	--	--	--
1,1-DICHLOROETHENE	5100000	390000	--	--	--	--
2-BUTANONE	61000000	4700000	--	--	--	--
ACETONE	92000000	7000000	--	--	--	--
CARBON DISULFIDE	10000000	780000	0.93 J	0.85 J	--	--
CHLOROFORM	1000000	78000	--	--	--	--
CIS-1,2-DICHLOROETHENE	1000000	78000	0.95 J	4	1.4 J	--
METHYLENE CHLORIDE	380000	85000	--	--	--	--
NAPHTHALENE	2000000	160000	--	--	--	--
TERTIARY-BUTYL ALCOHOL	NA	NA	17 J	--	--	--
TRANS-1,2-DICHLOROETHENE	2000000	160000	--	--	--	--
TRICHLOROETHENE	7200	1600	5.5	26	9.7	0.89 J
VINYL CHLORIDE	4000	90	--	--	--	--
TENTATIVELY IDENTIFIED COMPOUNDS-VOLATILES (ug/kg)						
BENZENEETHANAMINE, N- [(PENTAFLUOROPHENYL	NA	NA	NA	NA	NA	NA
BENZOIC ACID, 2-[(TRIMETHYLSILYL)OXY]-,	NA	NA	NA	NA	NA	NA

Table 1

Chemical Results for Soil Samples - April 2014
Summary Report for Soil and Groundwater Delineation—Block E UST 2
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LOCATION			MRC-E-SB-1360					
			MRC-E-SB-1360-5	MRC-E-SB-1360-10	MRC-E-SB-1360-15	MRC-E-SB-1360-20	MRC-E-SB-1360-25	MRC-E-SB-1360-28
SAMPLE ID								
SAMPLE DATE								
MATRIX	MDE non-residential	MDE residential	20140416	20140416	20140417	20140417	20140417	20140417
TOP DEPTH-FEET BELOW GRADE	cleanup	cleanup	SO	SO	SO	SO	SO	SO
BOTTOM DEPTH-FEET BELOW GRADE	standard (ug/kg)	standard (ug/kg)	3	8	13	18	23	26
			5	10	15	20	25	28
VOLATILE ORGANIC COMPOUNDS (µg/kg)								
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	1.3 J	--	1.2 J	--	--	--
1,1-DICHLOROETHENE	5100000	390000	0.66 J	--	--	--	--	--
2-BUTANONE	61000000	4700000	2.7 J	--	--	--	--	--
ACETONE	92000000	7000000	18 J	--	--	--	--	--
CARBON DISULFIDE	10000000	780000	1.1 J	--	--	--	--	--
CHLOROFORM	1000000	78000	--	--	--	--	--	--
CIS-1,2-DICHLOROETHENE	1000000	78000	63	56	52	230	3 J	70 J
METHYLENE CHLORIDE	380000	85000	--	1.1 J	--	--	--	--
NAPHTHALENE	2000000	160000	--	--	--	--	--	--
TERTIARY-BUTYL ALCOHOL	NA	NA	--	--	--	--	--	--
TRANS-1,2-DICHLOROETHENE	2000000	160000	0.41 J	--	--	--	--	--
TRICHLOROETHENE	7200	1600	150	110	980 J	520	1000 J	5600
VINYL CHLORIDE	4000	90	3.1 J	0.55 J	1.5 J	--	--	--
TENTATIVELY IDENTIFIED COMPOUNDS-VOLATILES (µg/kg)								
BENZENEETHANAMINE, N-	NA	NA	NA	NA	NA	NA	NA	NA
[(PENTAFLUOROPHENYL								
BENZOIC ACID, 2-[(TRIMETHYLSILYL)OXY]-	NA	NA	NA	NA	NA	NA	NA	NA

Table 1

Chemical Results for Soil Samples - April 2014
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LOCATION	MDE non- residential cleanup standard (ug/kg)	MDE residential cleanup standard (ug/kg)	MRC-E-SB-1361				
SAMPLE ID			MRC-E-SB-1361-15	MRC-E-SB-1361-20	MRC-E-SB-1361-25	MRC-E-SB-1361-30	MRC-E-SB-1361-35
SAMPLE DATE			20140416	20140416	20140416	20140416	20140416
MATRIX			SO	SO	SO	SO	SO
TOP DEPTH- FEET BELOW GRADE			13	18	23	28	32
BOTTOM DEPTH- FEET BELOW GRADE			15	20	25	30	35
VOLATILE ORGANIC COMPOUNDS (µg/kg)							
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	--	--	--	--	1.9 J
1,1-DICHLOROETHENE	5100000	390000	--	--	--	--	2.9 J
2-BUTANONE	61000000	4700000	--	--	--	--	--
ACETONE	92000000	7000000	--	--	--	--	7.3 J
CARBON DISULFIDE	10000000	780000	--	--	--	--	--
CHLOROFORM	1000000	78000	--	--	--	--	1.7 J
CIS-1,2-DICHLOROETHENE	1000000	78000	17 J	19 J	43 J	42 J	6.8
METHYLENE CHLORIDE	380000	85000	--	--	--	--	3.7 J
NAPHTHALENE	2000000	160000	19 J	--	--	--	--
TERTIARY-BUTYL ALCOHOL	NA	NA	--	--	--	--	--
TRANS-1,2-DICHLOROETHENE	2000000	160000	--	--	--	--	--
TRICHLOROETHENE	7200	1600	1400 J	6300	6300	5700 J	2800 J
VINYL CHLORIDE	4000	90	--	--	--	--	--
TENTATIVELY IDENTIFIED COMPOUNDS-VOLATILES (µg/kg)							
BENZENEETHANAMINE, N- [(PENTAFLUOROPHENYL	NA	NA	NA	NA	NA	270 NJ	NA
BENZOIC ACID, 2-[(TRIMETHYLSILYL)OXY]-	NA	NA	350 NJ	NA	NA	NA	NA

Gray shading - result exceeds the MDE residential cleanup standard for soil

-- = not detected

E - Block E

J - estimated concentration

MDE - Maryland Department of the Environment

MRC - Middle River Complex

NA - standard not available (second column) or not analyzed (all other columns)

NJ - analyte tentatively identified and presumed present; concentration is estimated

SB - soil boring

SO - soil

µg/kg - micrograms per kilogram (i.e., parts per billion)

Table 2

Chemical Results for Groundwater Samples—April 2014
Summary Report for Soil and Groundwater Delineation—Block E UST 2
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LOCATION	MDE groundwater standard (µg/L)	MRC-E-SB-1362			
SAMPLE ID		MRC-E-SB-1362-15	MRC-E-SB-1362-20	MRC-E-SB-1362-24	MRC-E-SB-1362-28
SAMPLE DATE		20140417	20140417	20140417	20140418
MATRIX		GW	GW	GW	GW
TOP DEPTH-FEET BELOW GRADE		12	16	20	24
BOTTOM DEPTH-FEET BELOW GRADE		16	20	24	28
VOLATILE ORGANIC COMPOUNDS (µg/L)					
1,1-DICHLOROETHANE	90	0.85 J	--	--	--
2-BUTANONE	700	--	1.2 J	--	--
ACETONE	550	--	3.9 J	2.2 J	2.8 J
CARBON DISULFIDE	100	--	--	--	0.62 J
CARBON TETRACHLORIDE	5	--	--	--	--
CHLOROFORM	80	--	0.41 J	0.18 J	0.68 J
CIS-1,2-DICHLOROETHENE	70	1.8	0.39 J	--	1.7
METHYL TERT-BUTYL ETHER	20	--	--	--	1.7
TRICHLOROETHENE	5	22	7.7	0.56 J	1.9
VINYL CHLORIDE	2	--	--	--	--
TENTATIVELY IDENTIFIED COMPOUNDS-VOLATILES (µg/L)					
1-PROPENE, 2-METHYL-	NA	NA	NA	NA	1.7 NJ

Table 2

Chemical Results for Groundwater Samples—April 2014
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LOCATION	MDE groundwater standard standard (µg/L)	MRC-E-SB-1363				
SAMPLE ID		MRC-E-SB-1363-12	MRC-E-SB-1363-16	MRC-E-SB-1363-20	MRC-E-SB-1363-24	MRC-E-SB-1363-28
SAMPLE DATE		20140418	20140418	20140418	20140418	20140418
MATRIX		GW	GW	GW	GW	GW
TOP DEPTH-FEET BELOW GRADE		8	12	16	20	27
BOTTOM DEPTH-FEET BELOW GRADE		12	16	20	24	28
VOLATILE ORGANIC COMPOUNDS (µg/L)						
1,1-DICHLOROETHANE	90	--	--	--	--	--
2-BUTANONE	700	--	--	--	--	--
ACETONE	550	--	--	--	--	1.7 J
CARBON DISULFIDE	100	--	--	--	--	--
CARBON TETRACHLORIDE	5	--	--	--	0.37 J	0.21 J
CHLOROFORM	80	--	--	--	0.33 J	1
CIS-1,2-DICHLOROETHENE	70	28	0.23 J	--	--	2.6
METHYL TERT-BUTYL ETHER	20	--	--	--	--	2.8
TRICHLOROETHENE	5	630	9.7	160	19	5.3
VINYL CHLORIDE	2	11 J	--	--	--	--
TENTATIVELY IDENTIFIED COMPOUNDS-VOLATILES (µg/L)						
1-PROPENE, 2-METHYL-	NA	NA	NA	NA	NA	NA

Table 2

Chemical Results for Groundwater Samples—April 2014
Summary Report for Soil and Groundwater Delineation—Block E UST 2
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LOCATION SAMPLE ID SAMPLE DATE MATRIX TOP DEPTH-FEET BELOW GRADE BOTTOM DEPTH-FEET BELOW GRADE	MDE groundwater standard (µg/L)	MRC-E-SB-1364					
		MRC-E-SB-1364-12 20140418 GW 8 12	MRC-E-SB-1364-16 20140418 GW 12 16	MRC-E-SB-1364-20 20140418 GW 16 20	MRC-E-SB-1364-24 20140418 GW 20 24	MRC-E-SB-1364-28 20140418 GW 24 28	MRC-E-SB-1364-32 20140418 GW 28 32
VOLATILE ORGANIC COMPOUNDS (µg/L)							
1,1-DICHLOROETHANE	90	--	--	--	--	--	--
2-BUTANONE	700	--	--	--	--	--	--
ACETONE	550	--	--	--	--	--	--
CARBON DISULFIDE	100	--	--	--	--	--	--
CARBON TETRACHLORIDE	5	--	--	--	--	--	--
CHLOROFORM	80	--	--	--	--	--	--
CIS-1,2-DICHLOROETHENE	70	480 J	--	--	--	--	13 J
METHYL TERT-BUTYL ETHER	20	--	--	--	--	--	17 J
TRICHLOROETHENE	5	24,000	38,000	130,000	180,000	27,000	1,100
VINYL CHLORIDE	2	--	--	--	--	--	--
TENTATIVELY IDENTIFIED COMPOUNDS-VOLATILES (µg/L)							
1-PROPENE, 2-METHYL-	NA	NA	NA	NA	NA	NA	NA

Gray shading - result exceeds the MDE groundwater standard

-- = not detected

E - Block E

GW - groundwater

J - estimated concentration

MDE - Maryland Department of the Environment

MRC - Middle River Complex

NA - standard not available (second column) or not analyzed (all other columns)

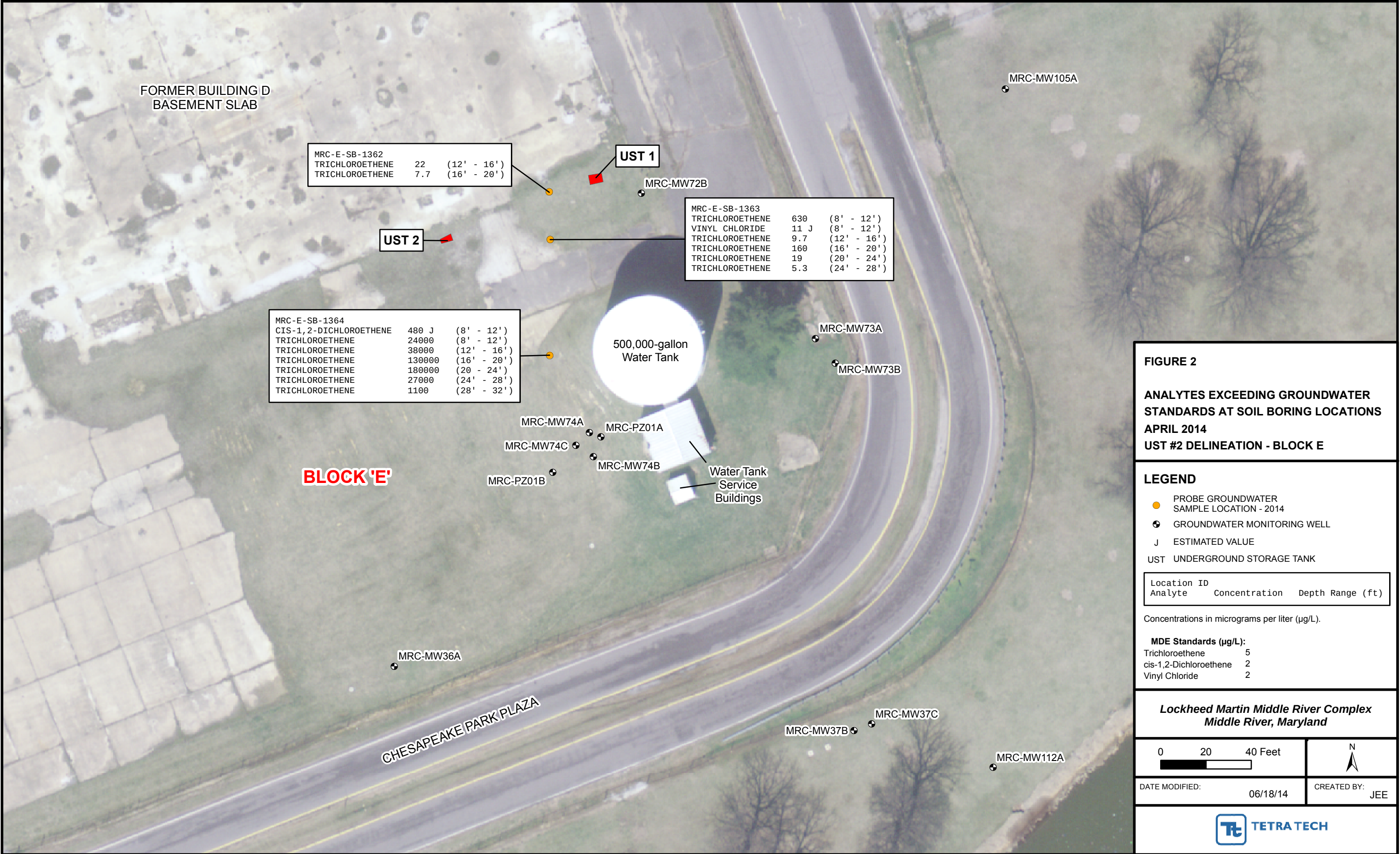
NJ - analyte tentatively identified and presumed present; concentration is estimated

SB - soil boring

µg/L - micrograms per liter (i.e., parts per billion)

FIGURES





ATTACHMENT A—GEOPHYSICAL SURVEY REPORT



**Final Report
Geophysical Survey
Subsurface UST Detection/Delineation
~3000' x 15' Area Surrounding Former Concrete Building "D" Foundation
Block E
Middle River Complex
Middle River, MD
Enviroscan Reference Number 041406**

**Prepared For: Tetra Tech NUS, Inc.
Prepared By: Enviroscan, Inc.
May 21, 2014**





May 21, 2014

Mr. Anthony Apanavage
Tetra Tech NUS, Inc.
20251 Century Boulevard
Suite 200
Germantown, MD 20874-7114

RE: Geophysical Survey
Subsurface UST Detection/Delineation
~3000' x 15' Area Surrounding Former Concrete Building "D" Foundation
Block E
Middle River Complex
Middle River, MD
Enviroscan Reference Number 041406

Dear Mr. Apanavage:

Pursuant to the specifications of our proposal, dated April 2, 2014, Enviroscan, Inc. conducted a multi-technique geophysical survey at the above-referenced site on April 9 and 11, 2014. The purpose of the survey was to detect/delineate suspected underground storage tanks (USTs) below a 15-foot-wide perimeter around the foundation of the former Building D in Block E of the Middle River Complex.

Methods

In order to delineate the suspected USTs, Enviroscan performed a multi-technique survey. The equipment utilized included:

- a Geonics Ltd. EM-61 MK2MK2 metal detector to detect any metallic USTs below portions of the survey area without reinforced concrete;
- a GSSI UtilityScan DF ground penetrating radar (GPR) system to image below areas with reinforced concrete at the surface and to scan grass and gravel areas as a secondary method of detection, due to possible metallic interference in the EM data by the nearby reinforced concrete pad and known subsurface metallic utilities.



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EM-61 MK2 Survey

The EM-61 MK2 uses a one-meter by ½-meter coil to transmit 150 electromagnetic pulses per second into the ground at each measurement station. During the off-time between transmitted pulses, a receiver coil measures the decay of transient electrical currents induced by the transmitted pulses. The decay is characterized by recording the strength of the transient electrical currents (in milliVolts) at four different delays or time gates following shut-off of the applied field. Electrical currents in moderately conductive earth materials (e.g. electrolytic soils) dissipate rapidly, leaving the more prolonged currents due to buried metallic objects. The EM-61 MK2 measures the surficial electrical potential due to the prolonged subsurface currents, providing a digital read-out of the relative metallic content of the subsurface.

To complete the EM-61 MK2 survey, a system of profiles (at approximately 3-foot intervals) was surveyed by hand-towing the EM-61 MK2 along the perimeter of the former Building D out to a distance of 15 feet from the former walls (see Figure 1). Data were collected at a rate of four readings per second (for an average station spacing of approximately one foot). Location control was maintained using a Topcon GMS-110 global positioning system (GPS) receiver. The GPS positions were collected with real-time differential correction, using the corrections from a coastguard beacon in Annapolis, MD. The resulting differential GPS (DGPS) positions have an accuracy of better than two feet. GPS and EM data were fed simultaneously to a Juniper System Allegro data logger running RTMap 61 software by Geomar, Inc. This software allows display of the data coverage in real time to ensure complete site coverage.

Results of the EM-61 MK2 survey are depicted as contours of the individual EM-61 MK2 station measurements in Figure 2, overlain on a facility base map and on the results of past utility surveys performed by Enviroscan. The EM-61 MK2 records four measurements spaced by time (time gates) after the initial transmit pulse. Gate 1 reads responses from metal targets of all depth and size within the range and sensitivity of the instrument. Gate 2 filters out the smallest targets. Gates 3 and 4 read responses from large targets, with Gate 3 showing the least interference from smaller targets. The purpose of this survey was to detect and delineate suspected USTs.

Ground Penetrating Radar Survey

GPR systems produce cross-sectional images of subsurface features and layers by continuously emitting pulses of radar-frequency energy from a scanning antenna as it is towed along a survey profile. The radar pulses are reflected by interfaces between materials with differing dielectric properties. The reflections return to the antenna and are displayed on a video monitor as a continuous cross-section in real time. Disturbed soils, metal, stone, and wood targets, as well as subsurface voids produce subtle but recognizable reflections.

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Enviroscan performed GPR scanning of the survey area using a GSSI UtilityScan DF GPR controller, along with a dual frequency 800/300 MHz scanning antenna with an optical survey wheel for accurate scanning distance control. Similar to the EM-61 MK2, the GPR profiles were located in a 15-foot swath along the outer edge of the former Building D (see Figure 1). The GPR data were collected and synchronized with the same Topcon GMs-110 described above. During data collection, the GPR images were inspected in real-time for any GPR reflections that are characteristic of metallic USTs such as high-amplitude parabolic reflections. Anomalies identified in the field were marked with semi-permanent marking paint. The recorded data were then downloaded and further analyzed for more subtle anomalies that may have been overlooked during the data collection. Anomalies found in the records were positioned utilizing the synchronized GPS data. The GPR anomalies are depicted in Figure 2 overlain on the EM-61 MK2 data as green- and yellow-outlined rectangles. Green rectangles indicate suspected USTs. These are GPR anomalies that have all the characteristics of a buried metallic UST. Yellow rectangles indicate a possible UST. These are GPR anomalies that have some of the characteristics of a buried metallic UST.

Results Summary

The survey results are depicted in Figures 1 and 2. Figure 1 depicts the survey area. Please note that the entire west side of the former Building D perimeter was heavily vegetated and could not be surveyed. Also note that a large portion of the northern side of the perimeter was underneath up to 20 feet of fill material, placing the original ground surface out of range of the EM-61 MK2 and GPR instruments.

The EM-61 MK2 and GPR survey results are depicted in Figure 2. Please note that the southeastern corner of the survey area is enhanced with the EM-61 MK2 data collected in that area in 2012. The EM-61 MK2 data show a great deal of subsurface metallic influence. The entire eastern side of the survey area has an average reading in the 1000's of millivolts (mV), indicating the presence of reinforced concrete. The southern side of the survey area similarly shows high background levels, most likely from the stormwater and fire water lines that run east to west through the survey area. The northern side shows less influence from underground utilities. The EM-61 MK2 data are also influenced by the numerous reinforced concrete pads dispersed throughout the survey area. Known concrete pads are labeled as such on Figure 2. The metallic reinforcing renders the EM-61 MK2 insensitive to metallic objects below the pad and interferes with the GPR signal penetration. The GPR data were examined closely where reinforced concrete pads were encountered and filters were utilized to minimize the interference; however, it is still possible for a UST to not be detectable with GPR when it is positioned beneath a reinforced concrete pad.

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The EM-61 MK2 data clearly reveal three metallic anomalies not associated with any known subsurface utilities or surficial metal (see Possible USTs A and B, and EM Anomaly A). Possible UST B is coincident with a GPR anomaly that was also tagged as a Possible UST. EM Anomaly A is located on the north side of the survey area. GPR scanning of this anomaly revealed highly disturbed soils within a square footprint. Visual observations during the field survey noted that the grass was noticeably stunted and brown within the GPR anomaly square. This anomaly is most likely the result of a demolished structure or remnant buried concrete pad.

The GPR survey revealed two suspected USTs during the field survey (see Suspected USTs 1 and 2) and four additional possible USTs (see Possible USTs D through G). Due to the high background levels present in the EM-61 MK2 data, it is possible that a tank-sized metallic object could be overshadowed and not clearly visible in the EM data. For example, both Suspected USTs 1 and 2 are not clearly evident in the EM-61 MK2 data when compared to the background. This possibility was recognized before the field survey. The recording and post-processing of the GPR data was completed to minimize the possibility of missing a UST.

It is Enviroscan's recommendation that the Suspected USTs, possible USTs, and EM Anomaly A should be further investigated. Furthermore, Enviroscan suggests that in the event that the reinforced concrete is removed from the perimeter survey area, the EM-61 MK2 survey be repeated to re-scan these areas for possible USTs.

Limitations

The above-referenced geophysical survey was completed using standard and/or routinely accepted practices of the geophysical industry and equipment representing the best available technology. Enviroscan does not accept responsibility for survey limitations due to inherent technological limitations or unforeseen site-specific conditions. However, we make every effort to identify and notify the client of such limitations or conditions.

ENVIROSCAN, INC.

Mr. Apanavage
May 21, 2014
Page 5

As always, we appreciate this opportunity to have worked with you. If you have any questions, please do not hesitate to contact me.

Sincerely,
Enviroscan, Inc.



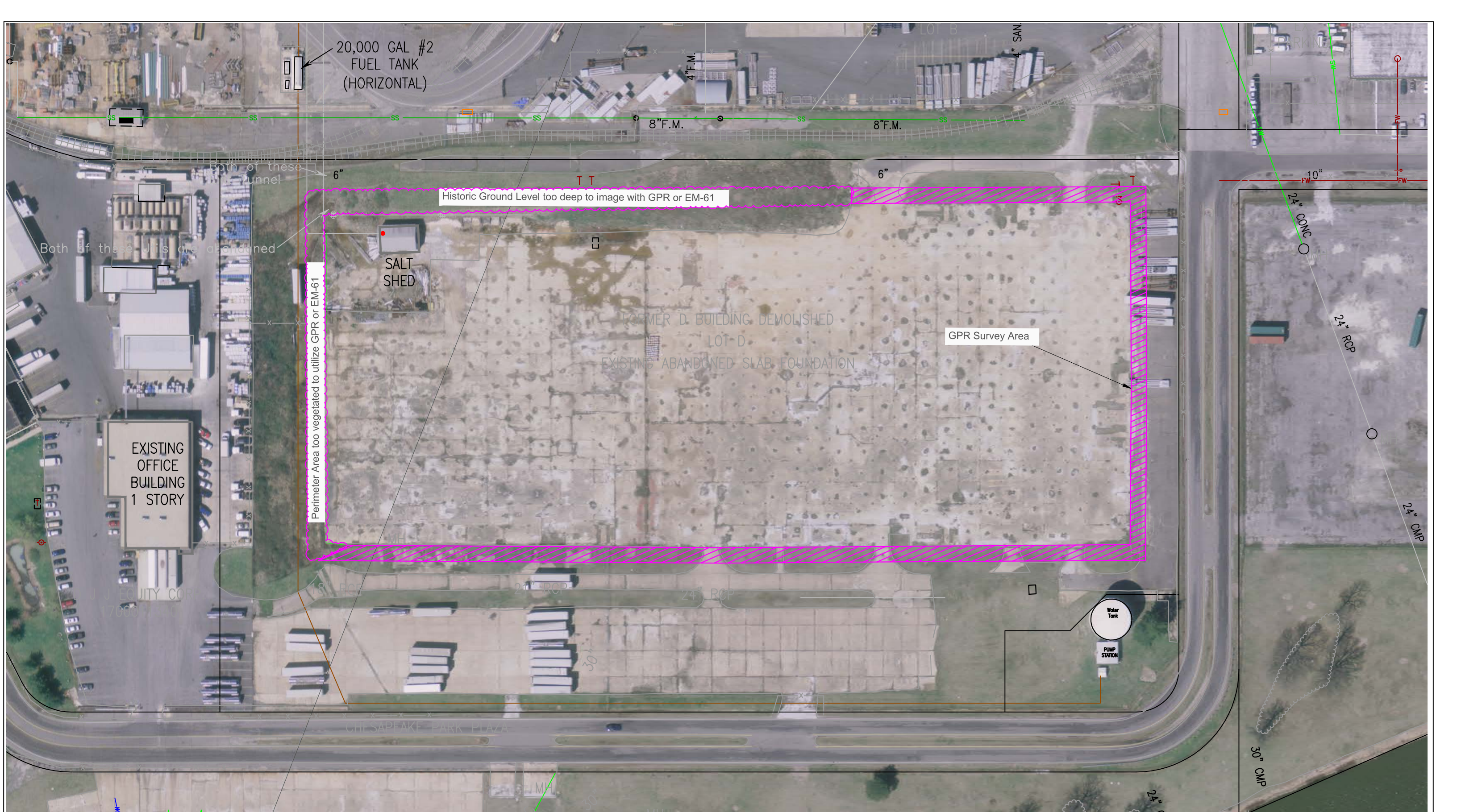
William E. Steinhart III, M.Sc., P.G.
Principal Geophysicist

Technical Review By:
Enviroscan, Inc.



Felicia Kegel Bechtel, M.Sc., P.G.
President

enc.: Figure 1: Location of Building D Perimeter Survey
Figure 2: EM-61 and GPR Survey Results E Block



The information depicted on this drawing represents survey results on the date surveyed and can only be considered to be indicative of the general conditions existing on that survey date.

Coordinates in Maryland State Plane (feet) NAD-83 Datum.

0ft 100ft



Prepared by:



Enviroscan, Inc.
1051 Columbia Avenue
Lancaster, PA
(717) 396-8922

Location of Building D Perimeter Survey

E Block Survey Area Middle River Complex Middle River, MD

Project Number 041406	Survey Date 04/11/14
Original Scale 1" = 100'	Revision/Issue 05/20/14

Drawn by: WES
Approved by: FKB

Figure

1

ATTACHMENT B—FIELD FORMS

Page 1 of 1

Project Site Name:	VST 2 Phase 2	Sample ID No.:	E-SB-1359
Project No.:	112IC04769	Sample Location:	MNL
☐ Surface Soil		Sampled By:	JAN
☒ Subsurface Soil		C.O.C. No.:	
☐ Sediment		Type of Sample:	
☐ Other:		☒ Low Concentration	
☐ QA Sample Type:		☐ High Concentration	

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
4/17/14	1215	15'		
Method:	1220	20'		
Grab	1225	25'	SEE BORING LOGS	
Monitor Readings	1230	28'		
(Range in ppm)				
gr 0.6 to 6.2				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TOTALS	PERRA LOW BUTS	✓	

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

Signature(s):

MS/MSD

Duplicate ID No.:



Tetra Tech NUS, Inc.

BORING LOGPage 1 of 2

PROJECT NAME: UST 2 Phase 2
 PROJECT NUMBER: 112504769
 DRILLING COMPANY: Grandzero
 DRILLING RIG: Legendre

BORING No.: E-SB-1354
 DATE: 4/17/14
 GEOLOGIST: JAM
 DRILLER: J. Sisto

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION			U S C S *	Remarks	PID/FID Reading (ppm)			
					Soil Density/ Consistency or Rock Hardness	Color	Material Classification			Sample	Sampler BZ	Borehole**	Driller BZ**
			2		↑ white gravel fill, bbbles		CL		1.9				
			4		NO RECOVERY				NR				
			5		Sandy, silty fine grained, st. moist, red brown		SM		3.1				
			6		Silty clay, red brown, still, red pl., st. moist, grey mottles		CL						
			7		clayey sand, fine, st. moist, red, tan mottles, moist, low plast		SC		0.8				
			8		Silty sand, fine, wet, tan to brown, low plast		SM						
			8.7'		" " tan to brown		SM						
			9.5'		red brown, clayey silty sand, moist, fine, low plast		SC		6.2				
					red brown, clayey sand, med grain, low plast to med plast @ 10-12', dark red material @ 11.75', clay		SC		0.5				
			11.75'		lens @ 11.8', still high plast, moist		CL		0.5				
			14		red brown, silty sand, med to coarse, wet		SM						
			16		red brown, clayey sand, med grained, wet, low plast		SC		0.5				
			17		NO RECOVERY				1.3				
			18		coarse sand & gravel (small), possible quartz, white tan/grey gravel, wet		SW		1.7				
			20		clayey sand, very fine, wet, red/brown, low plast		SC		1.7				
			22		silty sand, fine grained, wet, red brown, low plast		SM		0.8				
			24		sand w/ silty med grained, in moist, brown, low plast		SW		1.4				

* When rock coring, enter rock brokenness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response read.

Remarks:

Drilling Area
 Background (ppm): 2.0

Converted to Well: Yes ☐ No ☐ Well I.D. #: _____

BORING LOG

PROJECT NAME: OST 2 Phase 2
PROJECT NUMBER: 1128204766
DRILLING COMPANY: Foran Bros
DRILLING RIG: 6020 vha

BORING No.: E-5B-1359
DATE: 4/17/14
GEOLOGIST: JRM
DRILLER: J. S. Soto

[illegible]

* When rock coring, enter rock brokenness.

** Include monitor reading in 6 foot intervals @ borehole Increase reading frequency if elevated response read.

Remarks:

Drilling Area
Background (ppm): 0.0

Converted to Well: Yes ☐ No ☐ Well I.D. #: _____

Project Site Name:		<u>Phase 2 VST 2</u>	Sample ID No.:	<u>E-5B-136D</u>
Project No.:		<u>17AL04769</u>	Sample Location:	<u>MRI</u>
			Sampled By:	<u>JHM</u>
☐ Surface Soil ☒ Subsurface Soil ☐ Sediment ☐ Other: ☐ QA Sample Type:			C.O.C. No.: Type of Sample: ☒ Low Concentration ☐ High Concentration	

GRAB SAMPLE DATA:				
Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)	
Time:				
Method:				
Monitor Reading (ppm):				

COMPOSITE SAMPLE DATA:				
Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
<u>4/16/4/17</u>	<u>1530</u>	<u>5'</u>	<u>1</u>	<u>on 4/16</u>
Method:	<u>1535</u>	<u>10'</u>	<u>SEE boring log</u>	<u>at 4/16</u>
	<u>0940</u>	<u>15'</u>	<u>LOG</u>	<u>4/17</u>
Monitor Readings (Range in ppm): <u>see boring log</u>	<u>0945</u>	<u>20'</u>	<u> </u>	<u>↓</u>
	<u>0950</u>	<u>25'</u>		
	<u>0955</u>	<u>30'</u>		

SAMPLE COLLECTION INFORMATION:			
Analysis	Container Requirements	Collected	Other
<u>VOL'S</u>	<u>PERRA CON. KIT</u>	<u>✓</u>	

OBSERVATIONS / NOTES:	MAP:

Circle if Applicable:	Signature(s):
MS/MSD Duplicate ID No.:	<u>[Signature]</u>



Tetra Tech NUS, Inc.

BORING LOGPage 1 of 2

PROJECT NAME: Block C US 2 Phase 2
 PROJECT NUMBER: 172C09769
 DRILLING COMPANY: Canal Zero
 DRILLING RIG: Deeprobe

BORING No.: F-SB-1360
 DATE: 4/16/14 to 4/17/14
 GEOLOGIST: JRM
 DRILLER: J. Soto

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION			U S C S *	Remarks	PID/FID Reading (ppm)			
					Soil Density/ Consistency or Rock Hardness	Color	Material Classification			Sample	Sampler BZ	Borehole**	Driller BZ**
			6"				Concrete						
					↑		Sandy and gravel fill material, not tested	EP	4.9				
			3		↓		red brown, sil. moist		31.4				
					↑		No recovery		180				
			5		↓		Silty Clay, light brown/red, sil. moist, v. low plasticity	CL	268				
			7.5		↑		clayey silty sand, very fine, dark red, sil. moist, v. low plasticity	SM	304				
			10		↓		red brown, silty sand, med grained, very moist	SM	201.4				
			12		↑		red brown, silty sand, med grained, wet, no pl. pl. (clay lens @ 15.7')	SM	9.7				
					↓		red brown, high plastic, very moist	CL	83				
			16		↑		red brown, silty clayey sand, med grained, v. low plastic, wet to moist	SC	8.9				
			19		↓		red brown, clayey sand, med grained, med plastic, very moist	SC	8.4				
			20		↑		red brown, silty sand, wet, no pl. med grained	SM	11.0				
			22		↓		red brown, clayey sand, very moist, low plastic, med grained, clay lens @ 23.3' and 23.7'	SC	33.4				
			24		↑				34.4				

* When rock coring, enter rock brokenness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response read.

Remarks: Get my warden start after 10' on 4/16/14
respect of 10' 4/17/14

Drilling Area
 Background (ppm): 0.0

Converted to Well: Yes ☐ No ☐ Well I.D. #: _____

Project Site Name: USF2 Phase 2Project No.: 112-ICD 4769.23Sample ID No.: MAC-E-SB-1361Sample Location: MACSampled By: JAM

C.O.C. No.: _____

☐ Surface Soil☒ Subsurface Soil☐ Sediment☐ Other: _____☐ QA Sample Type: _____

Type of Sample:

☐ Low Concentration☐ High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
<u>4/16/14</u>	<u>1200</u>	<u>15'</u>		
Method:	<u>1205</u>	<u>20'</u>		
	<u>1210</u>	<u>25'</u>	<u>SEE BORING LOG</u>	
Monitor Readings	<u>1215</u>	<u>30'</u>		
(Range in ppm):	<u>1220</u>	<u>35'</u>		
<u>4.1-3820</u>				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
<u>VOL'S</u>	<u>240mL mL'S (DEF)</u>	<u>✓</u>	
<u>VOL'S</u>	<u>1-4mL mL (MEOH)</u>	<u>✓</u>	
<u>VOL'S</u>	<u>1-20mL mL (impres)</u>	<u>✓</u>	

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD

Duplicate ID No.: _____

Signature(s):



Tetra Tech NUS, Inc.

BORING LOGPage 1 of 2

PROJECT NAME:

UST 2 Phase 2

BORING No.:

MLC-E-SB-1361

PROJECT NUMBER:

12-004769.23

DATE:

4/16/14

DRILLING COMPANY:

Ground Zero

GEOLOGIST:

Josh [signature]

DRILLING RIG:

Geoprobe / Robo Sonar

DRILLER:

George Sarto

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/FT.) or Screened Interval	MATERIAL DESCRIPTION			U S C S *	Remarks	PID/FID Reading (ppm)			
					Soil Density/ Consistency or Rock Hardness	Color	Material Classification			Sample	Sampler BZ	Borehole**	Driller BZ**
							Sand and gravel fill, gray to light brown, st. moist	GM		PID			
			3'2"						41				
									16.2				
			5'				grayish orange, clayey sand, silty, v. low plasticity, st. moist	ML		12.1			
5							reddish brown, SILTY CLAY, light gray mottles, hard, st. moist, low plasticity	CL		24.3			
			8'				red, st. moist, clayey silty sand, easily crumbles	ML		49.6			
			9'				red w/ light gray mottles, clayey, silty, st. moist, v. low plastic	SC					
10			10'						57.3				
							dark red to light red/brown, SILTY CLAYEY SAND, st. moist, non-stick 12" and 18" low plastic, fine sand, lens @ 12.5"	SC		144			
			15'						52.2				
15							red, SILTY SAND w/ some clay, wet, fine sand, no plastic, no phos	SM		94.6			
			18'				red w/ brown mottles, silty sand w/ fine clay, grayish fine sand, hardened, silty clay 19.5-20'	SM		3820			
			20'						2009				
20							reddish brown, SILTY SAND, very fine, very wet, no pi., no plastic	SM		14.2			
			24.5'				dark red, SILTY SAND, very moist, mud greenish, no pi., no plastic	SM		42			

* When rock coring, enter rock brokenness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response read.

Remarks:

Drilling Area
Background (ppm). 00

Converted to Well:

Yes

No

Well I.D. #:



Tetra Tech NUS, Inc.

BORING LOGPage 1 of 1

PROJECT NAME: USF 2 Phase 2
 PROJECT NUMBER: 112-1204769.27
 DRILLING COMPANY: Groundward
 DRILLING RIG: Auto Sam 12

BORING No.: E-SB-1361
 DATE: 9/16/14
 GEOLOGIST: Josh Smith
 DRILLER: George Soto

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION			U S C S *	Remarks	PID/FID Reading (ppm)			
					Soil Density/ Consistency or Rock Hardness	Color	Material Classification			Sample	Sampler BZ	Borehole**	Driller BZ**
25							dark red, SILTY SAND, wet, very fine sand, no plast, no fl.	SM	42				
									2428				
									38				
			29'				reddish brown, SILTY SAND, wet, med. to coarse grained, no plast, no fl.	SM	60				
30			30'				red/brown, SILTY SAND, wet, med. to coarse grained, no plast, no fl.	SM	109				
			32'				light brown w/ gray/purple/ten mottles, SILTY CLAY, high plastic, moist to SL moist	CL	9.3				
			34.5'				light brown to red, silty clayey sand, fine to med. grained, ten mottles, low plastic	SC					
35			35'										

* When rock coring, enter rock brokenness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response read.

Remarks: _____

 Drilling Area
 Background (ppm): 90

Converted to Well: Yes _____ No _____ Well I.D. #: _____

ATTACHMENT C—SOIL AND GROUNDWATER DATA TABLES AND DATA VALIDATION REPORTS

Table C-1
Chemical Results for Soil Samples-UST 2-April 2014
Lockheed Martin Middle River Complex, Middle River, Maryland
Page 1 of 7

LOCATION	MRC-E-SB-1359	MRC-E-SB-1359	MRC-E-SB-1359	MRC-E-SB-1359	MRC-E-SB-1360	MRC-E-SB-1360
SAMPLE ID	MRC-E-SB-1359-15	MRC-E-SB-1359-20	MRC-E-SB-1359-25	MRC-E-SB-1359-28	MRC-E-SB-1360-10	MRC-E-SB-1360-5
SAMPLE DATE	4/17/2014	4/17/2014	4/17/2014	4/17/2014	4/16/2014	4/16/2014
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	0.5 U	0.43 U	0.56 U	0.59 U	0.66 U	0.52 U
1,1,1-TRICHLOROETHANE	0.45 U	0.39 U	0.5 U	0.53 U	0.6 U	0.47 U
1,1,2,2-TETRACHLOROETHANE	0.27 U	0.24 U	0.31 U	0.32 U	0.36 U	0.28 U
1,1,2-TRICHLOROTRIFLUOROETHANE	1 U	0.9 U	1.2 U	1.2 U	1.4 U	1.3 J
1,1-DICHLOROETHANE	0.29 U	0.25 U	0.32 U	0.34 U	0.38 U	0.3 U
1,1-DICHLOROETHENE	0.42 U	0.36 U	0.47 U	0.49 U	0.55 U	0.66 J
1,1-DICHLOROPROPENE	0.24 U	0.21 U	0.27 U	0.28 U	0.32 U	0.25 U
1,2,3-TRICHLOROBENZENE	0.31 U	0.26 U	0.34 U	0.36 U	0.4 U	0.32 U
1,2,3-TRICHLOROPROPANE	0.72 U	0.62 U	0.81 U	0.85 U	0.96 UJ	0.75 U
1,2,3-TRIMETHYLBENZENE	0.14 U	0.12 U	0.15 U	0.16 U	0.18 U	0.14 U
1,2,4-TRICHLOROBENZENE	0.22 U	0.19 U	0.24 U	0.26 U	0.29 U	0.22 U
1,2,4-TRIMETHYLBENZENE	0.52 U	0.45 U	0.59 U	0.62 U	0.69 U	0.54 U
1,2-DIBROMO-3-CHLOROPROPANE	1 U	0.9 U	1.2 U	1.2 U	1.4 UJ	1.1 UJ
1,2-DIBROMOETHANE	0.4 U	0.35 U	0.45 U	0.47 U	0.53 U	0.42 U
1,2-DICHLOROBENZENE	0.29 U	0.25 U	0.32 U	0.34 U	0.38 U	0.3 U
1,2-DICHLOROETHANE	0.27 U	0.24 U	0.31 U	0.32 U	0.36 UJ	0.28 U
1,2-DICHLOROPROPANE	0.55 U	0.48 U	0.62 U	0.65 U	0.73 U	0.57 U
1,3-DICHLOROBENZENE	0.28 U	0.24 U	0.32 U	0.33 U	0.37 U	0.29 U
1,3-DICHLOROPROPANE	0.27 U	0.24 U	0.31 U	0.32 U	0.36 U	0.28 U
1,4-DICHLOROBENZENE	0.53 U	0.46 U	0.59 U	0.63 U	0.7 U	0.55 U
2,2-DICHLOROPROPANE	0.76 U	0.65 U	0.85 U	0.89 U	1 U	0.78 U
2-BUTANONE	1.1 U	0.97 U	1.3 U	1.3 U	1.5 UJ	2.7 J
2-CHLOROETHYL VINYL ETHER	1.1 U	0.97 U	1.3 U	1.3 U	1.5 UJ	1.2 UJ
2-CHLOROTOLUENE	0.32 U	0.28 U	0.36 U	0.38 U	0.43 U	0.33 U
2-HEXANONE	0.51 U	0.44 U	0.57 U	0.6 U	0.67 UJ	0.52 UJ
4-CHLOROTOLUENE	0.33 U	0.28 U	0.37 U	0.39 U	0.44 U	0.34 U
4-ISOPROPYLTOLUENE	0.17 U	0.15 U	0.19 U	0.2 U	0.22 U	0.17 U
4-METHYL-2-PENTANONE	0.43 U	0.37 U	0.49 U	0.51 U	0.57 UJ	0.45 UJ
ACETONE	5.1 U	4.4 U	5.7 U	6 U	6.7 UJ	18 J
BENZENE	0.18 U	0.16 U	0.21 U	0.22 U	0.24 U	0.19 U
BROMOBENZENE	0.27 U	0.23 U	0.3 U	0.31 U	0.35 U	0.27 U
BROMOCHLOROMETHANE	0.57 U	0.49 U	0.64 U	0.67 U	0.75 U	0.59 U
BROMODICHLOROMETHANE	0.23 U	0.19 U	0.25 U	0.27 U	0.3 U	0.23 U
BROMOFORM	0.27 U	0.23 U	0.3 U	0.31 U	0.35 UJ	0.27 U
BROMOMETHANE	0.43 U	0.37 U	0.49 U	0.51 U	0.57 U	0.45 UJ
CARBON DISULFIDE	0.93 J	0.85 J	1.1 U	1.1 U	0.47 UJ	1.1 J
CARBON TETRACHLORIDE	0.3 U	0.26 U	0.33 U	0.35 U	0.39 U	0.31 U
CHLOROBENZENE	0.27 U	0.23 U	0.3 U	0.31 U	0.35 U	0.27 U

Table C-1
Chemical Results for Soil Samples-UST 2-April 2014
Lockheed Martin Middle River Complex, Middle River, Maryland
Page 2 of 7

LOCATION SAMPLE ID SAMPLE DATE	MRC-E-SB-1359 MRC-E-SB-1359-15 4/17/2014	MRC-E-SB-1359 MRC-E-SB-1359-20 4/17/2014	MRC-E-SB-1359 MRC-E-SB-1359-25 4/17/2014	MRC-E-SB-1359 MRC-E-SB-1359-28 4/17/2014	MRC-E-SB-1360 MRC-E-SB-1360-10 4/16/2014	MRC-E-SB-1360 MRC-E-SB-1360-5 4/16/2014
CHLORODIBROMOMETHANE	0.44 U	0.38 U	0.5 U	0.52 U	0.58 U	0.46 U
CHLOROETHANE	0.69 U	0.6 U	0.77 U	0.82 U	0.91 U	0.72 U
CHLOROFORM	0.23 U	0.2 U	0.26 U	0.27 U	0.31 U	0.24 U
CHLOROMETHANE	0.33 U	0.28 U	0.37 U	0.39 U	0.44 U	0.34 U
CIS-1,2-DICHLOROETHENE	0.95 J	4	1.4 J	0.34 U	56	63
CIS-1,3-DICHLOROPROPENE	0.27 U	0.24 U	0.31 U	0.32 U	0.36 U	0.28 U
DIBROMOMETHANE	0.51 U	0.44 U	0.57 U	0.6 U	0.67 U	0.52 U
DICHLORODIFLUOROMETHANE	0.4 U	0.35 U	0.45 U	0.47 U	0.53 U	0.42 U
DIISOPROPYL ETHER	1.2 U	1 U	1.4 U	1.4 U	1.6 U	1.2 U
ETHYL TERT-BUTYL ETHER	0.18 U	0.15 U	0.2 U	0.21 U	0.23 UJ	0.18 U
ETHYLBENZENE	0.21 U	0.18 U	0.23 U	0.25 U	0.28 U	0.22 U
HEXACHLOROBUTADIENE	0.96 U	0.83 U	1.1 U	1.1 U	1.3 U	1 U
ISOPROPYLBENZENE	0.13 U	0.11 U	0.14 U	0.15 U	0.17 U	0.13 U
M+P-XYLENES	0.96 U	0.83 U	1.1 U	1.1 U	1.3 U	1 U
METHYL TERT-BUTYL ETHER	0.35 U	0.3 U	0.39 U	0.41 U	0.46 U	0.36 U
METHYLENE CHLORIDE	0.54 U	0.46 U	0.6 U	0.64 U	1.1 J	0.56 U
NAPHTHALENE	0.15 U	0.13 U	0.17 U	0.18 U	0.2 U	0.16 U
N-BUTYLBENZENE	0.18 U	0.16 U	0.21 U	0.22 U	0.24 U	0.19 U
N-PROPYLBENZENE	0.32 U	0.28 U	0.36 U	0.38 U	0.43 U	0.33 U
O-XYLENE	0.28 U	0.24 U	0.32 U	0.33 U	0.37 U	0.29 U
SEC-BUTYLBENZENE	0.14 U	0.12 U	0.16 U	0.17 U	0.19 U	0.15 U
STYRENE	0.12 U	0.1 U	0.14 U	0.14 U	0.16 U	0.12 U
TERT-AMYL METHYL ETHER	0.3 U	0.26 U	0.33 U	0.35 U	0.39 UJ	0.31 U
TERT-BUTYLBENZENE	0.23 U	0.2 U	0.26 U	0.27 U	0.31 U	0.24 U
TERTIARY-BUTYL ALCOHOL	17 J	5.3 U	6.8 U	7.2 U	8.1 UJ	6.3 UJ
TETRACHLOROETHENE	0.42 U	0.36 U	0.47 U	0.49 U	0.55 U	0.43 U
TOLUENE	0.22 U	0.19 U	0.24 U	0.26 U	0.29 U	0.22 U
TOTAL XYLENES	0.28 U	0.24 U	0.32 U	0.33 U	0.37 U	0.29 U
TRANS-1,2-DICHLOROETHENE	0.33 U	0.28 U	0.37 U	0.39 U	0.44 U	0.41 J
TRANS-1,3-DICHLOROPROPENE	0.43 U	0.37 U	0.49 U	0.51 U	0.57 U	0.45 U
TRICHLOROETHENE	5.5	26	9.7	0.89 J	110	150
TRICHLOROFLUOROMETHANE	0.27 U	0.24 U	0.31 U	0.32 U	0.36 U	0.28 U
VINYL ACETATE	0.2 U	0.17 U	0.23 U	0.24 U	0.27 U	0.21 U
VINYL CHLORIDE	0.31 U	0.27 U	0.35 U	0.37 U	0.55 J	3.1 J
TENTATIVELY IDENTIFIED COMPOUND (UG/KG)						
BENZENEETHANAMINE, N- [(PENTAFLUOROPHENYL	NA	NA	NA	NA	NA	NA

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LOCATION SAMPLE ID SAMPLE DATE	MRC-E-SB-1360 MRC-E-SB-1360-15 4/17/2014	MRC-E-SB-1360 MRC-E-SB-1360-20 4/17/2014	MRC-E-SB-1360 MRC-E-SB-1360-25 4/17/2014	MRC-E-SB-1360 MRC-E-SB-1360-28 4/17/2014	MRC-E-SB-1361 MRC-E-SB-1361-15 4/16/2014	MRC-E-SB-1361 MRC-E-SB-1361-20 4/16/2014
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	0.51 U	7.9 U	0.59 U	8.4 U	9.6 U	7.9 U
1,1,1-TRICHLOROETHANE	0.46 U	18 U	0.53 U	19 U	22 U	18 U
1,1,2,2-TETRACHLOROETHANE	0.28 U	7.8 U	0.32 U	8.2 U	9.4 U	7.7 U
1,1,2-TRICHLOROTRIFLUOROETHANE	1.2 J	34 U	1.2 U	36 U	41 U	34 U
1,1-DICHLOROETHANE	0.29 U	15 U	0.34 U	16 U	18 U	15 U
1,1-DICHLOROETHENE	0.42 U	16 U	0.49 U	17 U	19 U	16 U
1,1-DICHLOROPROPENE	0.24 U	8.7 U	0.28 U	9.3 U	11 U	8.7 U
1,2,3-TRICHLOROBENZENE	0.31 U	8.7 U	0.36 U	9.3 U	11 U	8.7 U
1,2,3-TRICHLOROPROPANE	0.73 U	18 U	0.85 U	19 U	22 U	18 U
1,2,3-TRIMETHYLBENZENE	0.14 U	0.15 U	0.16 U	0.16 U	0.18 U	0.15 U
1,2,4-TRICHLOROBENZENE	0.22 U	6.4 U	0.26 U	6.8 U	7.7 U	6.3 U
1,2,4-TRIMETHYLBENZENE	0.53 U	4.4 U	0.62 U	4.6 U	5.3 U	4.3 U
1,2-DIBROMO-3-CHLOROPROPANE	1.1 U	44 U	1.2 U	46 U	53 U	43 U
1,2-DIBROMOETHANE	0.41 U	8.7 U	0.47 U	9.3 U	11 U	8.7 U
1,2-DICHLOROBENZENE	0.29 U	7.5 U	0.34 U	8 U	9.1 U	7.4 U
1,2-DICHLOROETHANE	0.28 U	8.7 U	0.32 U	9.3 U	11 U	8.7 U
1,2-DICHLOROPROPANE	0.56 U	7.2 U	0.65 U	7.6 U	8.7 U	7.1 U
1,3-DICHLOROBENZENE	0.29 U	4.2 U	0.33 U	4.4 U	5.1 U	4.2 U
1,3-DICHLOROPROPANE	0.28 U	19 U	0.32 U	20 U	23 U	19 U
1,4-DICHLOROBENZENE	0.54 U	7 U	0.63 U	7.4 U	8.5 U	6.9 U
2,2-DICHLOROPROPANE	0.77 U	20 U	0.89 U	21 U	24 U	20 U
2-BUTANONE	1.1 U	38 U	1.3 U	40 U	46 U	37 U
2-CHLOROETHYL VINYL ETHER	1.1 U	38 U	1.3 U	40 U	46 U	37 U
2-CHLOROTOLUENE	0.33 U	7.9 U	0.38 U	8.3 U	9.5 U	7.8 U
2-HEXANONE	0.51 U	17 U	0.6 U	19 U	21 U	17 U
4-CHLOROTOLUENE	0.33 U	8.6 U	0.39 U	9.2 U	10 U	8.6 U
4-ISOPROPYLTOLUENE	0.17 U	4.2 U	0.2 U	4.4 U	5.1 U	4.2 U
4-METHYL-2-PENTANONE	0.44 U	42 U	0.51 U	44 U	51 U	42 U
ACETONE	5.1 U	150 U	6 U	160 U	180 U	150 U
BENZENE	0.19 U	10 U	0.22 U	11 U	13 U	10 U
BROMOBENZENE	0.27 U	11 U	0.31 U	12 U	14 U	11 U
BROMOCHLOROMETHANE	0.58 U	11 U	0.67 U	12 U	14 U	11 U
BROMODICHLOROMETHANE	0.23 U	8.6 U	0.27 U	9.2 U	10 U	8.6 U
BROMOFORM	0.27 U	17 U	0.31 U	18 U	20 UJ	16 UJ
BROMOMETHANE	0.44 U	25 U	0.51 U	27 U	31 U	25 U
CARBON DISULFIDE	0.36 U	10 U	0.42 U	11 U	13 U	10 U
CARBON TETRACHLORIDE	0.3 U	5.6 U	0.35 U	5.9 U	6.8 U	5.5 U
CHLOROBENZENE	0.27 U	5.6 U	0.31 U	5.9 U	6.8 U	5.5 U

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LOCATION SAMPLE ID SAMPLE DATE	MRC-E-SB-1360 MRC-E-SB-1360-15 4/17/2014	MRC-E-SB-1360 MRC-E-SB-1360-20 4/17/2014	MRC-E-SB-1360 MRC-E-SB-1360-25 4/17/2014	MRC-E-SB-1360 MRC-E-SB-1360-28 4/17/2014	MRC-E-SB-1361 MRC-E-SB-1361-15 4/16/2014	MRC-E-SB-1361 MRC-E-SB-1361-20 4/16/2014
CHLORODIBROMOMETHANE	0.45 U	10 U	0.52 U	11 U	13 U	10 U
CHLOROETHANE	0.7 U	53 U	0.82 U	56 U	65 U	53 U
CHLOROFORM	0.24 U	7.7 U	0.28 U	8.1 U	9.3 U	7.6 U
CHLOROMETHANE	0.33 U	12 U	0.39 U	13 U	15 U	12 U
CIS-1,2-DICHLOROETHENE	52	230	3 J	70 J	17 J	19 J
CIS-1,3-DICHLOROPROPENE	0.28 U	6.9 U	0.32 U	7.3 U	8.4 U	6.8 U
DIBROMOMETHANE	0.51 U	12 U	0.6 U	13 U	15 U	12 U
DICHLORODIFLUOROMETHANE	0.41 U	14 U	0.47 U	15 U	17 U	14 U
DIISOPROPYL ETHER	1.2 U	44 U	1.4 U	46 U	53 U	43 U
ETHYL TERT-BUTYL ETHER	0.18 U	0.19 U	0.21 U	0.2 U	0.23 UJ	0.19 UJ
ETHYLBENZENE	0.21 U	4.7 U	0.25 U	5 U	5.7 U	4.7 U
HEXACHLOROBUTADIENE	0.98 U	12 U	1.1 U	13 U	15 U	12 U
ISOPROPYLBENZENE	0.13 U	5.7 U	0.15 U	6 U	6.9 U	5.6 U
M+P-XYLENES	0.98 U	5.4 U	1.1 U	5.7 U	6.6 U	5.4 U
METHYL TERT-BUTYL ETHER	0.35 U	6.2 U	0.41 U	6.6 U	7.5 U	6.1 U
METHYLENE CHLORIDE	0.74 U	67 U	0.85 U	71 U	91 U	67 U
NAPHTHALENE	0.16 U	5.9 U	0.18 U	6.2 U	19 J	5.8 U
N-BUTYLBENZENE	0.19 U	7 U	0.22 U	7.4 U	8.5 U	6.9 U
N-PROPYLBENZENE	0.33 U	12 U	0.38 U	13 U	15 U	12 U
O-XYLENE	0.29 U	7.4 U	0.33 U	7.9 U	9 U	7.4 U
SEC-BUTYLBENZENE	0.15 U	4.1 U	0.17 U	4.4 U	5 U	4.1 U
STYRENE	0.12 U	8.3 U	0.14 U	7 U	5.9 U	4.8 U
TERT-AMYL METHYL ETHER	0.3 U	0.32 U	0.35 U	0.34 U	0.39 U	0.32 U
TERT-BUTYLBENZENE	0.24 U	5.7 U	0.28 U	6 U	6.9 U	5.6 U
TERTIARY-BUTYL ALCOHOL	6.2 U	210 U	7.2 U	220 U	250 UJ	210 UJ
TETRACHLOROETHENE	0.42 U	10 U	0.49 U	11 U	13 U	10 U
TOLUENE	0.22 U	15 U	0.26 U	16 U	18 U	15 U
TOTAL XYLENES	0.29 U	5.4 U	0.33 U	5.7 U	6.6 U	5.4 U
TRANS-1,2-DICHLOROETHENE	0.33 U	8 U	0.39 U	8.5 U	9.8 U	8 U
TRANS-1,3-DICHLOROPROPENE	0.44 U	17 U	0.51 U	19 U	21 U	17 U
TRICHLOROETHENE	980 J	520	1000 J	5600	1400 J	6300
TRICHLOROFLUOROMETHANE	0.28 U	14 U	0.32 U	15 U	17 U	14 U
VINYL ACETATE	0.2 U	20 U	0.24 U	21 U	24 U	20 U
VINYL CHLORIDE	1.5 J	16 U	0.37 U	17 U	19 U	16 U
TENTATIVELY IDENTIFIED COMPOUND (UG/KG)						
BENZENEETHANAMINE, N- [(PENTAFLUOROPHENYL	NA	NA	NA	NA	NA	NA

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LOCATION	MRC-E-SB-1361	MRC-E-SB-1361	MRC-E-SB-1361
SAMPLE ID	MRC-E-SB-1361-25	MRC-E-SB-1361-30	MRC-E-SB-1361-35
SAMPLE DATE	4/16/2014	4/16/2014	4/16/2014
VOLATILES (UG/KG)			
1,1,1,2-TETRACHLOROETHANE	16 U	9.5 U	0.52 U
1,1,1-TRICHLOROETHANE	36 U	22 U	0.47 U
1,1,2,2-TETRACHLOROETHANE	15 U	9.3 U	0.28 U
1,1,2-TRICHLOROTRIFLUOROETHANE	67 U	41 U	1.9 J
1,1-DICHLOROETHANE	29 U	18 U	0.3 U
1,1-DICHLOROETHENE	31 U	19 U	2.9 J
1,1-DICHLOROPROPENE	17 U	10 U	0.25 U
1,2,3-TRICHLOROBENZENE	17 U	10 U	0.32 U
1,2,3-TRICHLOROPROPANE	36 U	22 U	0.75 U
1,2,3-TRIMETHYLBENZENE	0.29 U	0.18 U	0.14 U
1,2,4-TRICHLOROBENZENE	13 U	7.6 U	0.23 U
1,2,4-TRIMETHYLBENZENE	8.6 U	5.2 U	0.54 U
1,2-DIBROMO-3-CHLOROPROPANE	86 U	52 U	1.1 U
1,2-DIBROMOETHANE	17 U	10 U	0.42 U
1,2-DICHLOROBENZENE	15 U	9 U	0.3 U
1,2-DICHLOROETHANE	17 U	10 U	0.28 U
1,2-DICHLOROPROPANE	14 U	8.6 U	0.58 U
1,3-DICHLOROBENZENE	8.2 U	5 U	0.29 U
1,3-DICHLOROPROPANE	38 U	23 U	0.28 U
1,4-DICHLOROBENZENE	14 U	8.4 U	0.55 U
2,2-DICHLOROPROPANE	39 U	24 U	0.79 U
2-BUTANONE	74 U	45 U	1.2 U
2-CHLOROETHYL VINYL ETHER	74 U	45 U	1.2 U
2-CHLOROTOLUENE	15 U	9.4 U	0.33 U
2-HEXANONE	34 U	21 U	0.53 U
4-CHLOROTOLUENE	17 U	10 U	0.34 U
4-ISOPROPYLTOLUENE	8.2 U	5 U	0.18 U
4-METHYL-2-PENTANONE	82 U	50 U	0.45 U
ACETONE	290 U	180 U	7.3 J
BENZENE	21 U	13 U	0.19 U
BROMOBENZENE	22 U	14 U	0.28 U
BROMOCHLOROMETHANE	22 U	14 U	0.59 U
BROMODICHLOROMETHANE	17 U	10 U	0.23 U
BROMOFORM	33 UJ	20 UJ	0.28 UJ
BROMOMETHANE	50 U	30 U	0.45 U
CARBON DISULFIDE	21 U	13 U	0.37 U
CARBON TETRACHLORIDE	11 U	6.7 U	0.31 U
CHLOROBENZENE	11 U	6.7 U	0.28 U

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LOCATION SAMPLE ID SAMPLE DATE	MRC-E-SB-1361 MRC-E-SB-1361-25 4/16/2014	MRC-E-SB-1361 MRC-E-SB-1361-30 4/16/2014	MRC-E-SB-1361 MRC-E-SB-1361-35 4/16/2014
CHLORODIBROMOMETHANE	21 U	13 U	0.46 U
CHLOROETHANE	100 U	64 U	0.72 U
CHLOROFORM	15 U	9.2 U	1.7 J
CHLOROMETHANE	24 U	15 U	0.34 U
CIS-1,2-DICHLOROETHENE	43 J	42 J	6.8
CIS-1,3-DICHLOROPROPENE	14 U	8.3 U	0.28 U
DIBROMOMETHANE	24 U	15 U	0.53 U
DICHLORODIFLUOROMETHANE	27 U	17 U	0.42 U
DIISOPROPYL ETHER	86 U	52 U	1.3 U
ETHYL TERT-BUTYL ETHER	0.38 UJ	0.23 UJ	0.18 UJ
ETHYLBENZENE	9.2 U	5.6 U	0.22 U
HEXACHLOROBUTADIENE	24 U	15 U	1 U
ISOPROPYLBENZENE	11 U	6.8 U	0.13 U
M+P-XYLENES	11 U	6.5 U	1 U
METHYL TERT-BUTYL ETHER	12 U	7.4 U	0.36 U
METHYLENE CHLORIDE	140 U	82 U	3.7 J
NAPHTHALENE	11 U	7 U	0.16 U
N-BUTYLBENZENE	14 U	8.4 U	0.19 U
N-PROPYLBENZENE	24 U	15 U	0.33 U
O-XYLENE	15 U	8.9 U	0.29 U
SEC-BUTYLBENZENE	8 U	4.9 U	0.15 U
STYRENE	9.6 U	5.9 U	0.13 U
TERT-AMYL METHYL ETHER	0.63 U	0.39 U	0.31 U
TERT-BUTYLBENZENE	11 U	6.8 U	0.24 U
TERTIARY-BUTYL ALCOHOL	410 UJ	250 UJ	6.4 UJ
TETRACHLOROETHENE	21 U	13 U	0.44 U
TOLUENE	29 U	18 U	0.23 U
TOTAL XYLENES	11 U	6.5 U	0.29 U
TRANS-1,2-DICHLOROETHENE	16 U	9.6 U	0.34 U
TRANS-1,3-DICHLOROPROPENE	34 U	21 U	0.45 U
TRICHLOROETHENE	6300	5700 J	2800 J
TRICHLOROFLUOROMETHANE	27 U	17 U	0.28 U
VINYL ACETATE	39 U	24 U	0.21 U
VINYL CHLORIDE	31 U	19 U	0.33 U
TENTATIVELY IDENTIFIED COMPOUND (UG/KG)			
BENZENEETHANAMINE, N- [(PENTAFLUOROPHENYL	NA	270 NJ	NA

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E - Block E

J - Positive result is considered estimated as a result of technical noncompliance.

MRC - Middle River Complex

NA - not analyzed

NJ - tentatively identified compound.

SB - soil boring

U - Not detected at the detection limit shown left of the letter.

UG/KG - micrograms per kilogram (i.e., parts per billion)

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

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Chemical Results for Groundwater Samples-UST 2-April 2014
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LOCATION	MRC-E-SB-1362	MRC-E-SB-1362	MRC-E-SB-1362	MRC-E-SB-1362	MRC-E-SB-1363	MRC-E-SB-1363
SAMPLE ID	MRC-E-SB-1362-15	MRC-E-SB-1362-20	MRC-E-SB-1362-24	MRC-E-SB-1362-28	MRC-E-SB-1363-12	MRC-E-SB-1363-16
SAMPLE DATE	4/17/2014	4/17/2014	4/17/2014	4/18/2014	4/18/2014	4/18/2014
VOLATILES (UG/L)						
1,1,1,2-TETRACHLOROETHANE	0.23 U	0.23 U	0.23 U	0.23 U	5.8 U	0.23 U
1,1,1-TRICHLOROETHANE	0.22 U	0.22 U	0.22 U	0.22 U	5.5 U	0.22 U
1,1,2,2-TETRACHLOROETHANE	0.18 U	0.18 U	0.18 U	0.18 U	4.5 U	0.18 U
1,1,2-TRICHLOROTRIFLUOROETHANE	0.28 U	0.28 U	0.28 U	0.28 U	7 U	0.28 U
1,1-DICHLOROETHANE	0.85 J	0.15 U	0.15 U	0.15 U	3.8 U	0.15 U
1,1-DICHLOROETHENE	0.19 U	0.19 U	0.19 U	0.19 U	4.8 U	0.19 U
1,1-DICHLOROPROPENE	0.13 U	0.13 U	0.13 U	0.13 U	3.3 U	0.13 U
1,2,3-TRICHLOROBENZENE	0.17 U	0.17 U	0.17 U	0.17 U	4.3 U	0.17 U
1,2,3-TRICHLOROPROPANE	0.43 U	0.43 U	0.43 U	0.43 U	11 U	0.43 U
1,2,3-TRIMETHYLBENZENE	0.0059 U	0.0059 U	0.0059 U	0.0059 U	0.15 U	0.0059 U
1,2,4-TRICHLOROBENZENE	0.15 U	0.15 U	0.15 U	0.15 U	3.8 U	0.15 U
1,2,4-TRIMETHYLBENZENE	0.12 U	0.12 U	0.12 U	0.12 U	3 U	0.12 U
1,2-DIBROMO-3-CHLOROPROPANE	0.67 U	0.67 U	0.67 U	0.67 U	17 U	0.67 U
1,2-DIBROMOETHANE	0.24 U	0.24 U	0.24 U	0.24 U	6 U	0.24 U
1,2-DICHLOROBENZENE	0.13 U	0.13 U	0.13 U	0.13 U	3.3 U	0.13 U
1,2-DICHLOROETHANE	0.22 U	0.22 U	0.22 U	0.22 U	5.5 U	0.22 U
1,2-DICHLOROPROPANE	0.18 U	0.18 U	0.18 U	0.18 U	4.5 U	0.18 U
1,3-DICHLOROBENZENE	0.14 U	0.14 U	0.14 U	0.14 U	3.5 U	0.14 U
1,3-DICHLOROPROPANE	0.16 U	0.16 U	0.16 U	0.16 U	4 U	0.16 U
1,4-DICHLOROBENZENE	0.13 U	0.13 U	0.13 U	0.13 U	3.3 U	0.13 U
2,2-DICHLOROPROPANE	0.13 U	0.13 U	0.13 U	0.13 U	3.3 U	0.13 U
2-BUTANONE	0.57 U	1.2 J	0.57 U	0.57 U	14 U	0.57 U
2-CHLOROETHYL VINYL ETHER	0.99 U	0.99 U	0.99 U	0.99 U	25 U	0.99 U
2-CHLOROTOLUENE	0.11 U	0.11 U	0.11 U	0.11 U	2.8 U	0.11 U
2-HEXANONE	0.41 U	0.41 U	0.41 U	0.41 U	10 U	0.41 U
4-CHLOROTOLUENE	0.18 U	0.18 U	0.18 U	0.18 U	4.5 U	0.18 U
4-ISOPROPYLTOLUENE	0.12 U	0.12 U	0.12 U	0.12 U	3 U	0.12 U
4-METHYL-2-PENTANONE	0.32 U	0.32 U	0.32 U	0.32 U	8 U	0.32 U
ACETONE	1.1 U	3.9 J	2.2 J	2.8 J	28 U	1.1 U
BENZENE	0.13 U	0.13 U	0.13 U	0.13 U	3.3 U	0.13 U
BROMOBENZENE	0.13 U	0.13 U	0.13 U	0.13 U	3.3 U	0.13 U
BROMOCHLOROMETHANE	0.29 U	0.29 U	0.29 U	0.29 U	7.3 U	0.29 U
BROMODICHLOROMETHANE	0.15 U	0.15 U	0.15 U	0.15 U	3.8 U	0.15 U
BROMOFORM	0.64 U	0.64 U	0.64 U	0.64 U	16 U	0.64 U
BROMOMETHANE	0.41 U	0.41 U	0.41 U	0.41 U	10 U	0.41 U
CARBON DISULFIDE	0.13 U	0.13 U	0.13 U	0.62 J	3.3 U	0.13 U
CARBON TETRACHLORIDE	0.13 U	0.13 U	0.13 U	0.13 U	3.3 U	0.13 U
CHLOROBENZENE	0.15 U	0.15 U	0.15 U	0.15 U	3.8 U	0.15 U
CHLORODIBROMOMETHANE	0.18 U	0.18 U	0.18 U	0.18 U	4.5 U	0.18 U

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LOCATION SAMPLE ID SAMPLE DATE	MRC-E-SB-1362 MRC-E-SB-1362-15 4/17/2014	MRC-E-SB-1362 MRC-E-SB-1362-20 4/17/2014	MRC-E-SB-1362 MRC-E-SB-1362-24 4/17/2014	MRC-E-SB-1362 MRC-E-SB-1362-28 4/18/2014	MRC-E-SB-1363 MRC-E-SB-1363-12 4/18/2014	MRC-E-SB-1363 MRC-E-SB-1363-16 4/18/2014
CHLOROETHANE	0.29 U	0.29 U	0.29 U	0.29 U	7.3 U	0.29 U
CHLOROFORM	0.16 U	0.41 J	0.18 J	0.68 J	4 U	0.16 U
CHLOROMETHANE	0.3 U	0.3 U	0.3 U	0.3 U	7.5 U	0.3 U
CIS-1,2-DICHLOROETHENE	1.8	0.39 J	0.17 U	1.7	28	0.23 J
CIS-1,3-DICHLOROPROPENE	0.14 U	0.14 U	0.14 U	0.14 U	3.5 U	0.14 U
DIBROMOMETHANE	0.28 U	0.28 U	0.28 U	0.28 U	7 U	0.28 U
DICHLORODIFLUOROMETHANE	0.31 U	0.31 U	0.31 U	0.31 U	7.8 U	0.31 U
DIISOPROPYL ETHER	1.5 U	1.5 U	1.5 U	1.5 U	38 U	1.5 U
ETHYL TERT-BUTYL ETHER	0.11 U	0.11 U	0.11 U	0.11 U	2.8 U	0.11 U
ETHYLBENZENE	0.17 U	0.17 U	0.17 U	0.17 U	4.3 U	0.17 U
HEXACHLOROBUTADIENE	0.3 U	0.3 U	0.3 U	0.3 U	7.5 U	0.3 U
ISOPROPYLBENZENE	0.13 U	0.13 U	0.13 U	0.13 U	3.3 U	0.13 U
M+P-XYLENES	0.24 U	0.24 U	0.24 U	0.24 U	6 U	0.24 U
METHYL TERT-BUTYL ETHER	0.17 U	0.17 U	0.17 U	1.7	4.3 U	0.17 U
METHYLENE CHLORIDE	0.33 U	0.33 U	0.33 U	0.33 U	8.3 U	0.33 U
NAPHTHALENE	0.24 U	0.24 U	0.24 U	0.24 U	6 U	0.24 U
N-BUTYLBENZENE	0.12 U	0.12 U	0.12 U	0.12 U	3 U	0.12 U
N-PROPYLBENZENE	0.14 U	0.14 U	0.14 U	0.14 U	3.5 U	0.14 U
O-XYLENE	0.14 U	0.14 U	0.14 U	0.14 U	3.5 U	0.14 U
SEC-BUTYLBENZENE	0.13 U	0.13 U	0.13 U	0.13 U	3.3 U	0.13 U
SILANOL, TRIMETHYL-	NA	NA	NA	NA	NA	1.4 R
STYRENE	0.11 U	0.11 U	0.11 U	0.11 U	2.8 U	0.11 U
TERT-AMYL METHYL ETHER	0.067 U	0.067 U	0.067 U	0.067 U	1.7 U	0.067 U
TERT-BUTYLBENZENE	0.13 U	0.13 U	0.13 U	0.13 U	3.3 U	0.13 U
TERTIARY-BUTYL ALCOHOL	3.9 U	3.9 U	3.9 U	3.9 U	98 U	3.9 U
TETRACHLOROETHENE	0.29 U	0.29 U	0.29 U	0.29 U	7.3 U	0.29 U
TOLUENE	0.13 U	0.13 U	0.13 U	0.13 U	3.3 U	0.13 U
TOTAL XYLENES	0.14 U	0.14 U	0.14 U	0.14 U	3.5 U	0.14 U
TRANS-1,2-DICHLOROETHENE	0.19 U	0.19 U	0.19 U	0.19 U	4.8 U	0.19 U
TRANS-1,3-DICHLOROPROPENE	0.19 U	0.19 U	0.19 U	0.19 U	4.8 U	0.19 U
TRICHLOROETHENE	22	7.7	0.56 J	1.9	630	9.7
TRICHLOROFLUOROMETHANE	0.21 U	0.21 U	0.21 U	0.21 U	5.3 U	0.21 U
VINYL ACETATE	0.19 U	0.19 U	0.19 U	0.19 U	4.8 U	0.19 U
VINYL CHLORIDE	0.22 U	0.22 U	0.22 U	0.22 U	11 J	0.22 U
TENTATIVELY IDENTIFIED COMPOUND (UG/L)						
1-PROPENE, 2-METHYL-	NA	NA	NA	1.7 NJ	NA	NA

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LOCATION	MRC-E-SB-1363	MRC-E-SB-1363	MRC-E-SB-1363	MRC-E-SB-1364	MRC-E-SB-1364	MRC-E-SB-1364
SAMPLE ID	MRC-E-SB-1363-20	MRC-E-SB-1363-24	MRC-E-SB-1363-28	MRC-E-SB-1364-12	MRC-E-SB-1364-16	MRC-E-SB-1364-20
SAMPLE DATE	4/18/2014	4/18/2014	4/18/2014	4/18/2014	4/18/2014	4/18/2014
VOLATILES (UG/L)						
1,1,1,2-TETRACHLOROETHANE	1.5 U	0.23 U	0.23 U	230 U	380 U	1200 U
1,1,1-TRICHLOROETHANE	1.5 U	0.22 U	0.22 U	220 U	370 U	1100 U
1,1,2,2-TETRACHLOROETHANE	1.2 U	0.18 U	0.18 U	180 U	300 U	900 U
1,1,2-TRICHLOROTRIFLUOROETHANE	1.9 U	0.28 U	0.28 U	280 U	470 U	1400 U
1,1-DICHLOROETHANE	1 U	0.15 U	0.15 U	150 U	250 U	750 U
1,1-DICHLOROETHENE	1.3 U	0.19 U	0.19 U	190 U	320 U	950 U
1,1-DICHLOROPROPENE	0.87 U	0.13 U	0.13 U	130 U	220 U	650 U
1,2,3-TRICHLOROBENZENE	1.1 U	0.17 U	0.17 U	170 U	280 U	850 U
1,2,3-TRICHLOROPROPANE	2.9 U	0.43 U	0.43 U	430 U	720 U	2200 U
1,2,3-TRIMETHYLBENZENE	0.039 U	0.0059 U	0.0059 U	5.9 U	9.8 U	30 U
1,2,4-TRICHLOROBENZENE	1 U	0.15 U	0.15 U	150 U	250 U	750 U
1,2,4-TRIMETHYLBENZENE	0.8 U	0.12 U	0.12 U	120 U	200 U	600 U
1,2-DIBROMO-3-CHLOROPROPANE	4.5 U	0.67 U	0.67 U	670 U	1100 U	3400 U
1,2-DIBROMOETHANE	1.6 U	0.24 U	0.24 U	240 U	400 U	1200 U
1,2-DICHLOROBENZENE	0.87 U	0.13 U	0.13 U	130 U	220 U	650 U
1,2-DICHLOROETHANE	1.5 U	0.22 U	0.22 U	220 U	370 U	1100 U
1,2-DICHLOROPROPANE	1.2 U	0.18 U	0.18 U	180 U	300 U	900 U
1,3-DICHLOROBENZENE	0.93 U	0.14 U	0.14 U	140 U	230 U	700 U
1,3-DICHLOROPROPANE	1.1 U	0.16 U	0.16 U	160 U	270 U	800 U
1,4-DICHLOROBENZENE	0.87 U	0.13 U	0.13 U	130 U	220 U	650 U
2,2-DICHLOROPROPANE	0.87 U	0.13 U	0.13 U	130 U	220 U	650 U
2-BUTANONE	3.8 U	0.57 U	0.57 U	570 U	950 U	2900 U
2-CHLOROETHYL VINYL ETHER	6.6 U	0.99 U	0.99 U	990 U	1700 U	5000 U
2-CHLOROTOLUENE	0.73 U	0.11 U	0.11 U	110 U	180 U	550 U
2-HEXANONE	2.7 U	0.41 U	0.41 U	410 U	680 U	2100 U
4-CHLOROTOLUENE	1.2 U	0.18 U	0.18 U	180 U	300 U	900 U
4-ISOPROPYLTOLUENE	0.8 U	0.12 U	0.12 U	120 U	200 U	600 U
4-METHYL-2-PENTANONE	2.1 U	0.32 U	0.32 U	320 U	530 U	1600 U
ACETONE	7.3 U	1.1 U	1.7 J	1100 U	1800 U	5500 U
BENZENE	0.87 U	0.13 U	0.13 U	130 U	220 U	650 U
BROMOBENZENE	0.87 U	0.13 U	0.13 U	130 U	220 U	650 U
BROMOCHLOROMETHANE	1.9 U	0.29 U	0.29 U	290 U	480 U	1500 U
BROMODICHLOROMETHANE	1 U	0.15 U	0.15 U	150 U	250 U	750 U
BROMOFORM	4.3 U	0.64 U	0.64 U	640 U	1100 U	3200 U
BROMOMETHANE	2.7 U	0.41 U	0.41 U	410 U	680 U	2100 U
CARBON DISULFIDE	0.87 U	0.13 U	0.13 U	130 U	220 U	650 U
CARBON TETRACHLORIDE	0.87 U	0.37 J	0.21 J	130 U	220 U	650 U
CHLOROBENZENE	1 U	0.15 U	0.15 U	150 U	250 U	750 U
CHLORODIBROMOMETHANE	1.2 U	0.18 U	0.18 U	180 U	300 U	900 U

Table C-2
Chemical Results for Groundwater Samples-UST 2-April 2014
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LOCATION	MRC-E-SB-1363	MRC-E-SB-1363	MRC-E-SB-1363	MRC-E-SB-1364	MRC-E-SB-1364	MRC-E-SB-1364
SAMPLE ID	MRC-E-SB-1363-20	MRC-E-SB-1363-24	MRC-E-SB-1363-28	MRC-E-SB-1364-12	MRC-E-SB-1364-16	MRC-E-SB-1364-20
SAMPLE DATE	4/18/2014	4/18/2014	4/18/2014	4/18/2014	4/18/2014	4/18/2014
CHLOROETHANE	1.9 U	0.29 U	0.29 U	290 U	480 U	1500 U
CHLOROFORM	1.1 U	0.33 J	1	160 U	270 U	800 U
CHLOROMETHANE	2 U	0.3 U	0.3 U	300 U	500 U	1500 U
CIS-1,2-DICHLOROETHENE	1.1 U	0.17 U	2.6	480 J	280 U	850 U
CIS-1,3-DICHLOROPROPENE	0.93 U	0.14 U	0.14 U	140 U	230 U	700 U
DIBROMOMETHANE	1.9 U	0.28 U	0.28 U	280 U	470 U	1400 U
DICHLORODIFLUOROMETHANE	2.1 U	0.31 U	0.31 U	310 U	520 U	1600 U
DIISOPROPYL ETHER	10 U	1.5 U	1.5 U	1500 U	2500 U	7500 U
ETHYL TERT-BUTYL ETHER	0.73 U	0.11 U	0.11 U	110 U	180 U	550 U
ETHYLBENZENE	1.1 U	0.17 U	0.17 U	170 U	280 U	850 U
HEXACHLOROBUTADIENE	2 U	0.3 U	0.3 U	300 U	500 U	1500 U
ISOPROPYLBENZENE	0.87 U	0.13 U	0.13 U	130 U	220 U	650 U
M+P-XYLENES	1.6 U	0.24 U	0.24 U	240 U	400 U	1200 U
METHYL TERT-BUTYL ETHER	1.1 U	0.17 U	2.8	170 U	280 U	850 U
METHYLENE CHLORIDE	2.2 U	0.33 U	0.33 U	330 U	550 U	1700 U
NAPHTHALENE	1.6 U	0.24 U	0.24 U	240 U	400 U	1200 U
N-BUTYLBENZENE	0.8 U	0.12 U	0.12 U	120 U	200 U	600 U
N-PROPYLBENZENE	0.93 U	0.14 U	0.14 U	140 U	230 U	700 U
O-XYLENE	0.93 U	0.14 U	0.14 U	140 U	230 U	700 U
SEC-BUTYLBENZENE	0.87 U	0.13 U	0.13 U	130 U	220 U	650 U
SILANOL, TRIMETHYL-	NA	NA	NA	NA	NA	NA
STYRENE	0.73 U	0.11 U	0.11 U	110 U	180 U	550 U
TERT-AMYL METHYL ETHER	0.45 U	0.067 U	0.067 U	67 U	110 U	340 U
TERT-BUTYLBENZENE	0.87 U	0.13 U	0.13 U	130 U	220 U	650 U
TERTIARY-BUTYL ALCOHOL	26 U	3.9 U	3.9 U	3900 U	6500 U	20000 U
TETRACHLOROETHENE	1.9 U	0.29 U	0.29 U	290 U	480 U	1500 U
TOLUENE	0.87 U	0.13 U	0.13 U	130 U	220 U	650 U
TOTAL XYLENES	0.93 U	0.14 U	0.14 U	140 U	230 U	700 U
TRANS-1,2-DICHLOROETHENE	1.3 U	0.19 U	0.19 U	190 U	320 U	950 U
TRANS-1,3-DICHLOROPROPENE	1.3 U	0.19 U	0.19 U	190 U	320 U	950 U
TRICHLOROETHENE	160	19	5.3	24000	38000	130000
TRICHLOROFLUOROMETHANE	1.4 U	0.21 U	0.21 U	210 U	350 U	1100 U
VINYL ACETATE	1.3 U	0.19 U	0.19 U	190 U	320 U	950 U
VINYL CHLORIDE	1.5 U	0.22 U	0.22 U	220 U	370 U	1100 U
TENTATIVELY IDENTIFIED COMPOUND						
(UG/L)						
1-PROPENE, 2-METHYL-	NA	NA	NA	NA	NA	NA

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Chemical Results for Groundwater Samples-UST 2-April 2014
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LOCATION	MRC-E-SB-1364	MRC-E-SB-1364	MRC-E-SB-1364
SAMPLE ID	MRC-E-SB-1364-24	MRC-E-SB-1364-28	MRC-E-SB-1364-32
SAMPLE DATE	4/18/2014	4/18/2014	4/18/2014
VOLATILES (UG/L)			
1,1,1,2-TETRACHLOROETHANE	1500 U	230 U	12 U
1,1,1-TRICHLOROETHANE	1500 U	220 U	11 U
1,1,2,2-TETRACHLOROETHANE	1200 U	180 U	9 U
1,1,2-TRICHLOROTRIFLUOROETHANE	1900 U	280 U	14 U
1,1-DICHLOROETHANE	1000 U	150 U	7.5 U
1,1-DICHLOROETHENE	1300 U	190 U	9.5 U
1,1-DICHLOROPROPENE	870 U	130 U	6.5 U
1,2,3-TRICHLOROBENZENE	1100 U	170 U	8.5 U
1,2,3-TRICHLOROPROPANE	2900 U	430 U	22 U
1,2,3-TRIMETHYLBENZENE	39 U	5.9 U	0.3 U
1,2,4-TRICHLOROBENZENE	1000 U	150 U	7.5 U
1,2,4-TRIMETHYLBENZENE	800 U	120 U	6 U
1,2-DIBROMO-3-CHLOROPROPANE	4500 U	670 U	34 U
1,2-DIBROMOETHANE	1600 U	240 U	12 U
1,2-DICHLOROBENZENE	870 U	130 U	6.5 U
1,2-DICHLOROETHANE	1500 U	220 U	11 U
1,2-DICHLOROPROPANE	1200 U	180 U	9 U
1,3-DICHLOROBENZENE	930 U	140 U	7 U
1,3-DICHLOROPROPANE	1100 U	160 U	8 U
1,4-DICHLOROBENZENE	870 U	130 U	6.5 U
2,2-DICHLOROPROPANE	870 U	130 U	6.5 U
2-BUTANONE	3800 U	570 U	29 U
2-CHLOROETHYL VINYL ETHER	6600 U	990 U	50 U
2-CHLOROTOLUENE	730 U	110 U	5.5 U
2-HEXANONE	2700 U	410 U	21 U
4-CHLOROTOLUENE	1200 U	180 U	9 U
4-ISOPROPYLTOLUENE	800 U	120 U	6 U
4-METHYL-2-PENTANONE	2100 U	320 U	16 U
ACETONE	7300 U	1100 U	55 U
BENZENE	870 U	130 U	6.5 U
BROMOBENZENE	870 U	130 U	6.5 U
BROMOCHLOROMETHANE	1900 U	290 U	15 U
BROMODICHLOROMETHANE	1000 U	150 U	7.5 U
BROMOFORM	4300 U	640 U	32 U
BROMOMETHANE	2700 U	410 U	21 U
CARBON DISULFIDE	870 U	130 U	6.5 U
CARBON TETRACHLORIDE	870 U	130 U	6.5 U
CHLOROBENZENE	1000 U	150 U	7.5 U
CHLORODIBROMOMETHANE	1200 U	180 U	9 U

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Chemical Results for Groundwater Samples-UST 2-April 2014
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LOCATION SAMPLE ID SAMPLE DATE	MRC-E-SB-1364 MRC-E-SB-1364-24 4/18/2014	MRC-E-SB-1364 MRC-E-SB-1364-28 4/18/2014	MRC-E-SB-1364 MRC-E-SB-1364-32 4/18/2014
CHLOROETHANE	1900 U	290 U	15 U
CHLOROFORM	1100 U	160 U	8 U
CHLOROMETHANE	2000 U	300 U	15 U
CIS-1,2-DICHLOROETHENE	1100 U	170 U	13 J
CIS-1,3-DICHLOROPROPENE	930 U	140 U	7 U
DIBROMOMETHANE	1900 U	280 U	14 U
DICHLORODIFLUOROMETHANE	2100 U	310 U	16 U
DIISOPROPYL ETHER	10000 U	1500 U	75 U
ETHYL TERT-BUTYL ETHER	730 U	110 U	5.5 U
ETHYLBENZENE	1100 U	170 U	8.5 U
HEXACHLOROBUTADIENE	2000 U	300 U	15 U
ISOPROPYLBENZENE	870 U	130 U	6.5 U
M+P-XYLENES	1600 U	240 U	12 U
METHYL TERT-BUTYL ETHER	1100 U	170 U	17 J
METHYLENE CHLORIDE	2200 U	330 U	17 U
NAPHTHALENE	1600 U	240 U	12 U
N-BUTYLBENZENE	800 U	120 U	6 U
N-PROPYLBENZENE	930 U	140 U	7 U
O-XYLENE	930 U	140 U	7 U
SEC-BUTYLBENZENE	870 U	130 U	6.5 U
SILANOL, TRIMETHYL-	NA	NA	NA
STYRENE	730 U	110 U	5.5 U
TERT-AMYL METHYL ETHER	450 U	67 U	3.4 U
TERT-BUTYLBENZENE	870 U	130 U	6.5 U
TERTIARY-BUTYL ALCOHOL	26000 U	3900 U	200 U
TETRACHLOROETHENE	1900 U	290 U	15 U
TOLUENE	870 U	130 U	6.5 U
TOTAL XYLENES	930 U	140 U	7 U
TRANS-1,2-DICHLOROETHENE	1300 U	190 U	9.5 U
TRANS-1,3-DICHLOROPROPENE	1300 U	190 U	9.5 U
TRICHLOROETHENE	180000	27000	1100
TRICHLOROFLUOROMETHANE	1400 U	210 U	11 U
VINYL ACETATE	1300 U	190 U	9.5 U
VINYL CHLORIDE	1500 U	220 U	11 U
TENTATIVELY IDENTIFIED COMPOUND (UG/L)			
1-PROPENE, 2-METHYL-	NA	NA	NA

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E - Block E

J - Positive result is considered estimated as a result of technical noncompliance.

MRC - Middle River Complex

NA - not analyzed

NJ - result is tentatively identified

U - Not detected at the detection limit shown left of the letter.

UG/L - micrograms per liter (i.e., parts per billion)

R - result is considered unreliable



Tetra Tech, Inc.

INTERNAL CORRESPONDENCE

TO: A. APANAVAGE **DATE: MAY 14, 2014**

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

SUBJECT: ORGANIC DATA VALIDATION – VOC
LOCKHEED MARTIN CORPORATION (LMC) – MIDDLE RIVER COMPLEX (MRC)
BLOCK E
SDG 240-36245-1

SAMPLES: 7/Soil/VOC

MRC-E-SB-1360-10	MRC-E-SB-1360-5	MRC-E-SB-1361-15
MRC-E-SB-1361-20	MRC-E-SB-1361-25	MRC-E-SB-1361-30
MRC-E-SB-1361-35		

1/Aqueous/VOC

TB-041614

Overview

The sample set for LMC-MRC Block E, SDG 240-36245-1 consisted of seven (7) soil environmental samples and one (1) trip blank. All seven (7) samples were analyzed for volatile organic compounds (VOC). No field duplicate sample pair was included in this SDG.

The samples were collected by Tetra Tech, Inc. on April 16, 2014 and analyzed by TestAmerica, Inc. All analyses were conducted in accordance with SW-846 Method 8260B analytical and reporting protocols.

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

Major

- The Tentatively Identified Compounds (TICs) in samples MRC-E-SB-1361-15 and MRC-E-SB-1361-30 considered column bleed from the GCMS instrument were qualified as rejected, (R).

Minor

- The continuing calibration performed on 04/23/14 @ 00:25 on instrument A3UX10 had Percent Differences (%Ds) for cis-1,2-dichloroethene, carbon tetrachloride, trans-1,3-dichloropropene, bromoform, and 1,1,2,2-tetrachloroethane and a Percent Drift (%Drift) for bromomethane which exceeded the 20% quality control limit. The trip blank, TB-041614, was affected. The non-detected results reported for these compounds in the affected trip blank were qualified as estimated, (UJ).
- The continuing calibration performed on 04/21/14 @ 11:39 on instrument A3UX14 had %Ds for bromomethane, 2-butanone, 4-methyl-2-pentanone, and 2-hexanone and %Drifts for acetone,

tert-butyl alcohol, 2-chloroethyl vinyl ether, trans-1,3-dichloropropene, and 1,2-dibromo-3-chloropropane which exceeded the 20% quality control limit. Sample MRC-E-SB-1360-5 was affected. The detected and non-detected results reported for these compounds in the affected sample were qualified as estimated, (J) and (UJ), respectively.

- The continuing calibrations performed on 04/19/14 @ 03:00 and 03:21 on instrument A3UX8 had %Ds for tert-butyl alcohol, bromoform, and ethyl-t-butyl ether (ETBE) which exceeded the 20% quality control limit. All soil samples, with the exception of sample MRC-E-SB-1360-5, were affected. The non-detected results reported for these compounds in the affected samples were qualified as estimated, (UJ).
- The continuing calibrations performed on 04/22/14 @ 02:10 and 02:31 on instrument A3UX8 had %Ds for carbon disulfide, tert-butyl alcohol, 2-butanone, 1,2-dichloroethane, 2-chloroethyl vinyl ether, 4-methyl-2-pentanone, 2-hexanone, bromoform, 1,2,3-trichloropropane, 1,2-dibromo-3-chloropropane, ethyl-t-butyl ether (ETBE), and tert-amyl methyl ether (TAME) and a %Drift for acetone which exceeded the 20% quality control limit. Sample MRC-E-SB-1360-10 was affected. The non-detected results reported for these compounds in the affected samples were qualified as estimated, (UJ).
- The following contaminants were detected in the laboratory method blanks at the following maximum concentrations:

<u>Compound</u>	<u>Maximum Concentration (µg/Kg)</u>	<u>Action Level (µg/Kg)</u>
1,2,3-Trichlorobenzene ⁽¹⁾	0.606	3.03
1,2,4-Trichlorobenzene ⁽¹⁾	0.395	1.98
Carbon Disulfide ⁽¹⁾	1.18	5.9
Chloroethane ⁽¹⁾	2.05	10.25
Naphthalene ⁽¹⁾	0.662	3.31
Ethyl-t-butyl ether (ETBE) ⁽¹⁾	0.244	1.22
Toluene ⁽¹⁾	0.304	1.52
Methylene Chloride ⁽²⁾	126	1260

¹ Maximum concentration detected in the laboratory method blank, MB240-97520/1-A, affecting the solid samples.

² Maximum concentration detected in the trip blank, TRIP BLANK_201308013.

³ Maximum concentration detected in the laboratory method blank, MB240-99151/18-A, affecting the solid samples.

⁴ Maximum concentration detected in the continuing calibration blank, CCB 240-98850/20, affecting the solid samples.

An action level of 10X the maximum concentration for the common laboratory contaminant, methylene chloride, and an action level of 5X the maximum concentration for the remaining contaminants were used to evaluate for blank contamination. Percent moisture, sample aliquot, and dilution factor, if applicable, were taken into consideration when evaluating for blank contamination. The detected results for the compounds/analyte below the established action levels were qualified as non-detected, (U).

- The surrogate spike compounds, dibromofluoromethane and 1,2-dichloroethane-d4, had Percent Recoveries (%Rs) above the upper quality control limit in samples MRC-E-SB-1361-15 and MRC-E-SB-1361-30. In addition, sample MRC-E-SB-1361-30 had a high %R for 4-bromofluorobenzene. The detected compounds in these samples were qualified as estimated, (J).
- The blank spike analysis associated with the batch #240-126978 had a %R for tert-butyl alcohol below the lower quality control limit. The medium level soil samples were affected. The non-detected results reported for this compound in the affected samples were qualified as estimated, (J).
- Trichloroethene exceeded the calibration range of the instrument in sample MRC-E-SB-1361-35. The detected result for trichloroethene was qualified as estimated, (J), in this sample.
- TICs were identified in samples MRC-E-SB-1361-15 and MRC-E-SB-1361-30. The GCMS instrument was not calibrated for these TICs; therefore, they are qualified as qualified estimated, (NJ), and assumed to be presumptively present.
- Detected results reported below the Reporting Limit (RL) limit but above the Method Detection Limit (MDL) were qualified as estimated, (J).

Notes

The aqueous blank spike analysis had a %R for 1,1,2,2-tetrachloroethane above the upper quality control limit. No action was taken because this compound was not detected in the associated trip blank.

The blank spike associated with analyses batch #240-127207 and #240-127337 had %Rs for vinyl acetate above the upper quality control limit. No action was taken because this compound was not detected in the associated samples.

The Matrix Spike/Matrix Spike Duplicate (MS/MSD) analyses had several %Rs outside quality control limits. No action was taken because the parent samples were not samples of interest.

Samples MRC-E-SB-1361-15, MRC-E-SB-1361-20, MRC-E-SB-1361-25, and MRC-E-SB-1361-30 were analyzed as medium level soils. The RLs of the non-detected results were elevated.

Non-detected results were reported to the MDL.

Executive Summary

Laboratory Performance: Continuing calibration %Ds and %Drifts exceeded 20%. Several contaminants were detected in the laboratory method blanks. Blank spike %Rs were noncompliant.

Other Factors Affecting Data Quality: Some samples were analyzed as medium level soils. Trichloroethene exceeded the linear calibration range of the instrument in one sample. TICs were detected in two samples. TICs identified as column bleed were rejected. Results below the RL were estimated.

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SDG: 240-36245-1

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The data for these analyses were reviewed with reference to the "National Functional Guidelines for Organic Review" (June 2008) and SW-846 Method 8260B analytical and reporting protocols. The text of this report has been formulated to address only those areas affecting data quality.



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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 ($< 2 \times \text{IDL}$ for inorganics and $< \text{CRQL}$ for organics)
- Q = Other problems (can encompass a number of issues; i.e. chromatography, interferences, etc.)
- R = Surrogates Recovery Noncompliance
- S = Pesticide/PCB Resolution
- T = % Breakdown Noncompliance for DDT and Endrin
- U = RPD between columns/detectors $> 40\%$ for positive results determined via GC/HPLC
- V = Non-linear calibrations; correlation coefficient $r < 0.995$
- W = EMPC result
- X = Signal to noise response drop
- Y = Percent solids $< 30\%$
- Z = Uncertainty at 2 standard deviations is greater than sample activity
- Z1 = Tentatively Identified Compound considered presumptively present
- Z2 = Tentatively Identified Compound column bleed
- Z3 = Tentatively Identified Compound aldol condensate

PROJ_NO: 04769 SDG: 240-36245-1 FRACTION: OV MEDIA: SOIL	NSAMPLE	MRC-E-SB-1360-10	MRC-E-SB-1360-5	MRC-E-SB-1361-15	MRC-E-SB-1361-20
	LAB_ID	240-36245-7	240-36245-6	240-36245-1	240-36245-2
	SAMP_DATE	4/16/2014	4/16/2014	4/16/2014	4/16/2014
	QC_TYPE	NM	NM	NM	NM
	UNITS	UG/KG	UG/KG	UG/KG	UG/KG
	PCT_SOLIDS	86.1	85.7	86.3	82.4
	DUP_OF				
PARAMETER					
	RESULT	VQL	QLCD	RESULT	VQL
1,1,1,2-TETRACHLOROETHANE	0.66 U			9.6 U	7.9 U
1,1,1-TRICHLOROETHANE	0.6 U			22 U	18 U
1,1,2,2-TETRACHLOROETHANE	0.36 U			9.4 U	7.7 U
1,1,2-TRICHLOROTRIFLUOROETHANE	1.4 U		P	41 U	34 U
1,1-DICHLOROETHANE	0.38 U			18 U	15 U
1,1-DICHLOROETHENE	0.55 U		P	19 U	16 U
1,1-DICHLOROPROPENE	0.32 U			11 U	8.7 U
1,2,3-TRICHLOROBENZENE	0.4 U			11 U	8.7 U
1,2,3-TRICHLOROPROPANE	0.96 UJ	C		22 U	18 U
1,2,3-TRIMETHYLBENZENE	0.18 U			0.18 U	0.15 U
1,2,4-TRICHLOROBENZENE	0.29 U			7.7 U	6.3 U
1,2,4-TRIMETHYLBENZENE	0.69 U			5.3 U	4.3 U
1,2-DIBROMO-3-CHLOROPROPANE	1.4 UJ	C	C	53 U	43 U
1,2-DIBROMOETHANE	0.53 U			11 U	8.7 U
1,2-DICHLOROBENZENE	0.38 U			9.1 U	7.4 U
1,2-DICHLOROETHANE	0.36 UJ	C		11 U	8.7 U
1,2-DICHLOROPROPANE	0.73 U			8.7 U	7.1 U
1,3-DICHLOROBENZENE	0.37 U			5.1 U	4.2 U
1,3-DICHLOROPROPANE	0.36 U			23 U	19 U
1,4-DICHLOROBENZENE	0.7 U			8.5 U	6.9 U
2,2-DICHLOROPROPANE	1 U			24 U	20 U
2-BUTANONE	1.5 UJ	C	CP	46 U	37 U
2-CHLOROETHYL VINYL ETHER	1.5 UJ	C	C	46 U	37 U
2-CHLOROTOLUENE	0.43 U			9.5 U	7.8 U
2-HEXANONE	0.67 UJ	C	C	21 U	17 U
4-CHLOROTOLUENE	0.44 U			10 U	8.6 U
4-ISOPROPYLTOLUENE	0.22 U			5.1 U	4.2 U
4-METHYL-2-PENTANONE	0.57 UJ	C	C	51 U	42 U
ACETONE	6.7 UJ	C	C	180 U	150 U
BENZENE	0.24 U			13 U	10 U
BROMOBENZENE	0.35 U			14 U	11 U
BROMOCHLOROMETHANE	0.75 U			14 U	11 U
BROMODICHLOROMETHANE	0.3 U			10 U	8.6 U
BROMOFORM	0.35 UJ	C		20 UJ	16 UJ
BROMOMETHANE	0.57 U		C	31 U	25 U

PROJ_NO: 04769 SDG: 240-36245-1 FRACTION: OV MEDIA: SOIL	NSAMPLE	MRC-E-SB-1361-25	MRC-E-SB-1361-30				MRC-E-SB-1361-35			
	LAB_ID	240-36245-3	240-36245-4				240-36245-5			
	SAMP_DATE	4/16/2014	4/16/2014				4/16/2014			
	QC_TYPE	NM	NM				NM			
	UNITS	UG/KG	UG/KG				UG/KG			
	PCT_SOLIDS	78.4	84.1				82.8			
	DUP_OF									
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		16 U				9.5 U			0.52 U	
1,1,1-TRICHLOROETHANE		36 U				22 U			0.47 U	
1,1,2,2-TETRACHLOROETHANE		15 U				9.3 U			0.28 U	
1,1,2-TRICHLOROTRIFLUOROETHANE		67 U				41 U			1.9 J	P
1,1-DICHLOROETHANE		29 U				18 U			0.3 U	
1,1-DICHLOROETHENE		31 U				19 U			2.9 J	P
1,1-DICHLOROPROPENE		17 U				10 U			0.25 U	
1,2,3-TRICHLOROBENZENE		17 U				10 U			0.32 U	
1,2,3-TRICHLOROPROPANE		36 U				22 U			0.75 U	
1,2,3-TRIMETHYLBENZENE		0.29 U				0.18 U			0.14 U	
1,2,4-TRICHLOROBENZENE		13 U				7.6 U			0.23 U	
1,2,4-TRIMETHYLBENZENE		8.6 U				5.2 U			0.54 U	
1,2-DIBROMO-3-CHLOROPROPANE		86 U				52 U			1.1 U	
1,2-DIBROMOETHANE		17 U				10 U			0.42 U	
1,2-DICHLOROBENZENE		15 U				9 U			0.3 U	
1,2-DICHLOROETHANE		17 U				10 U			0.28 U	
1,2-DICHLOROPROPANE		14 U				8.6 U			0.58 U	
1,3-DICHLOROBENZENE		8.2 U				5 U			0.29 U	
1,3-DICHLOROPROPANE		38 U				23 U			0.28 U	
1,4-DICHLOROBENZENE		14 U				8.4 U			0.55 U	
2,2-DICHLOROPROPANE		39 U				24 U			0.79 U	
2-BUTANONE		74 U				45 U			1.2 U	
2-CHLOROETHYL VINYL ETHER		74 U				45 U			1.2 U	
2-CHLOROTOLUENE		15 U				9.4 U			0.33 U	
2-HEXANONE		34 U				21 U			0.53 U	
4-CHLOROTOLUENE		17 U				10 U			0.34 U	
4-ISOPROPYLTOLUENE		8.2 U				5 U			0.18 U	
4-METHYL-2-PENTANONE		82 U				50 U			0.45 U	
ACETONE		290 U				180 U			7.3 J	P
BENZENE		21 U				13 U			0.19 U	
BROMOBENZENE		22 U				14 U			0.28 U	
BROMOCHLOROMETHANE		22 U				14 U			0.59 U	
BROMODICHLOROMETHANE		17 U				10 U			0.23 U	
BROMOFORM		33 UJ		C		20 UJ	C		0.28 UJ	C
BROMOMETHANE		50 U				30 U			0.45 U	

PROJ_NO: 04769 SDG: 240-36245-1 FRACTION: OV MEDIA: SOIL	NSAMPLE	MRC-E-SB-1360-10	MRC-E-SB-1360-5	MRC-E-SB-1361-15	MRC-E-SB-1361-20
	LAB_ID	240-36245-7	240-36245-6	240-36245-1	240-36245-2
	SAMP_DATE	4/16/2014	4/16/2014	4/16/2014	4/16/2014
	QC_TYPE	NM	NM	NM	NM
	UNITS	UG/KG	UG/KG	UG/KG	UG/KG
	PCT_SOLIDS	86.1	85.7	86.3	82.4
	DUP_OF				
PARAMETER	RESULT	VOL	QLCD	RESULT	VOL
CARBON DISULFIDE	0.47 UJ		C		
CARBON TETRACHLORIDE	0.39 U			13 U	10 U
CHLOROBENZENE	0.35 U			6.8 U	5.5 U
CHLORODIBROMOMETHANE	0.58 U			6.8 U	5.5 U
CHLOROETHANE	0.91 U			13 U	10 U
CHLOROFORM	0.31 U			65 U	53 U
CHLOROMETHANE	0.44 U			9.3 U	7.6 U
CIS-1,2-DICHLOROETHENE	56			15 U	12 U
CIS-1,3-DICHLOROPROPENE	0.36 U			17 J	19 J
DIBROMOMETHANE	0.67 U			8.4 U	6.8 U
DICHLORODIFLUOROMETHANE	0.53 U			15 U	12 U
DIISOPROPYL ETHER	1.6 U			17 U	14 U
ETHYL TERT-BUTYL ETHER	0.23 UJ		C	53 U	43 U
ETHYLBENZENE	0.28 U			0.23 UJ	0.19 UJ
HEXACHLOROBUTADIENE	1.3 U			5.7 U	4.7 U
ISOPROPYLBENZENE	0.17 U			15 U	12 U
M+P-XYLENES	1.3 U			6.9 U	5.6 U
METHYL TERT-BUTYL ETHER	0.46 U			6.6 U	5.4 U
METHYLENE CHLORIDE	1.1 J		P	7.5 U	6.1 U
NAPHTHALENE	0.2 U			91 U	67 U
N-BUTYLBENZENE	0.24 U			19 J	5.8 U
N-PROPYLBENZENE	0.43 U			8.5 U	6.9 U
O-XYLENE	0.37 U			15 U	12 U
SEC-BUTYLBENZENE	0.19 U			9 U	7.4 U
STYRENE	0.16 U			5 U	4.1 U
TERT-AMYL METHYL ETHER	0.39 UJ		C	5.9 U	4.8 U
TERT-BUTYLBENZENE	0.31 U			0.39 U	0.32 U
TERTIARY-BUTYL ALCOHOL	8.1 UJ		C	6.9 U	5.6 U
TETRACHLOROETHENE	0.55 U			250 UJ	210 UJ
TOLUENE	0.29 U			13 U	10 U
TOTAL XYLENES	0.37 U			18 U	15 U
TRANS-1,2-DICHLOROETHENE	0.44 U		P	6.6 U	5.4 U
TRANS-1,3-DICHLOROPROPENE	0.57 U			9.8 U	8 U
TRICHLOROETHENE	110			21 U	17 U
TRICHLOROFLUOROMETHANE	0.36 U			1400 J	6300
				17 U	14 U

PROJ_NO: 04769 SDG: 240-36245-1 FRACTION: OV MEDIA: SOIL	NSAMPLE	MRC-E-SB-1361-25	MRC-E-SB-1361-30	MRC-E-SB-1361-35				
	LAB_ID	240-36245-3	240-36245-4	240-36245-5				
	SAMP_DATE	4/16/2014	4/16/2014	4/16/2014				
	QC_TYPE	NM	NM	NM				
	UNITS	UG/KG	UG/KG	UG/KG				
	PCT_SOLIDS	78.4	84.1	82.8				
	DUP_OF							
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD		
CARBON DISULFIDE		21 U			13 U		0.37 U	
CARBON TETRACHLORIDE		11 U			6.7 U		0.31 U	
CHLOROBENZENE		11 U			6.7 U		0.28 U	
CHLORODIBROMOMETHANE		21 U			13 U		0.46 U	
CHLOROETHANE		100 U			64 U		0.72 U	
CHLOROFORM		15 U			9.2 U		1.7 J	P
CHLOROMETHANE		24 U			15 U		0.34 U	
CIS-1,2-DICHLOROETHENE		43 J	P		42 J	PR	6.8	
CIS-1,3-DICHLOROPROPENE		14 U			8.3 U		0.28 U	
DIBROMOMETHANE		24 U			15 U		0.53 U	
DICHLORODIFLUOROMETHANE		27 U			17 U		0.42 U	
DIISOPROPYL ETHER		86 U			52 U		1.3 U	
ETHYL TERT-BUTYL ETHER		0.38 UJ	C		0.23 UJ	C	0.18 UJ	C
ETHYLBENZENE		9.2 U			5.6 U		0.22 U	
HEXACHLOROBUTADIENE		24 U			15 U		1 U	
ISOPROPYLBENZENE		11 U			6.8 U		0.13 U	
M+P-XYLENES		11 U			6.5 U		1 U	
METHYL TERT-BUTYL ETHER		12 U			7.4 U		0.36 U	
METHYLENE CHLORIDE		140 U	A		82 U	A	3.7 J	P
NAPHTHALENE		11 U			7 U		0.16 U	
N-BUTYLBENZENE		14 U			8.4 U		0.19 U	
N-PROPYLBENZENE		24 U			15 U		0.33 U	
O-XYLENE		15 U			8.9 U		0.29 U	
SEC-BUTYLBENZENE		8 U			4.9 U		0.15 U	
STYRENE		9.6 U			5.9 U		0.13 U	
TERT-AMYL METHYL ETHER		0.63 U			0.39 U		0.31 U	
TERT-BUTYLBENZENE		11 U			6.8 U		0.24 U	
TERTIARY-BUTYL ALCOHOL		410 UJ	CE		250 UJ	CE	6.4 UJ	C
TETRACHLOROETHENE		21 U			13 U		0.44 U	
TOLUENE		29 U			18 U		0.23 U	
TOTAL XYLENES		11 U			6.5 U		0.29 U	
TRANS-1,2-DICHLOROETHENE		16 U			9.6 U		0.34 U	
TRANS-1,3-DICHLOROPROPENE		34 U			21 U		0.45 U	
TRICHLOROETHENE		6300			5700 J	R	2800 J	L
TRICHLOROFLUOROMETHANE		27 U			17 U		0.28 U	

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PROJ_NO: 04769 SDG: 240-36245-1 FRACTION: OV MEDIA: SOIL	NSAMPLE	MRC-E-SB-1360-10	MRC-E-SB-1360-5	MRC-E-SB-1361-15	MRC-E-SB-1361-20	
	LAB_ID	240-36245-7	240-36245-6	240-36245-1	240-36245-2	
	SAMP_DATE	4/16/2014	4/16/2014	4/16/2014	4/16/2014	
	QC_TYPE	NM	NM	NM	NM	
	UNITS	UG/KG	UG/KG	UG/KG	UG/KG	
	PCT_SOLIDS	86.1	85.7	86.3	82.4	
	DUP_OF					
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD
VINYLACETATE	0.27 U *	0.21 U		24 U	20 U	
VINYL CHLORIDE	0.55 J	3.1 J	P	19 U	16 U	

PROJ_NO: 04769 SDG: 240-36245-1 FRACTION: OV MEDIA: SOIL	NSAMPLE	MRC-E-SB-1361-25		MRC-E-SB-1361-30		MRC-E-SB-1361-35	
	LAB_ID	240-36245-3		240-36245-4		240-36245-5	
	SAMP_DATE	4/16/2014		4/16/2014		4/16/2014	
	QC_TYPE	NM		NM		NM	
	UNITS	UG/KG		UG/KG		UG/KG	
	PCT_SOLIDS	78.4		84.1		82.8	
	DUP_OF						
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	QLCD
VINYL ACETATE		39 U			24 U		0.21 U *
VINYL CHLORIDE		31 U			19 U		0.33 U

PROJ_NO: 04769 SDG: 240-36245-1 FRACTION: OV MEDIA: WATER	NSAMPLE	TB-041614		
	LAB_ID	240-36245-8		
	SAMP_DATE	4/16/2014		
	QC_TYPE	NM		
	UNITS	UG/L		
	PCT_SOLIDS	0.0		
DUP_OF				
PARAMETER	RESULT	VQL	QLCD	
1,1,1,2-TETRACHLOROETHANE	0.23 U			
1,1,1-TRICHLOROETHANE	0.22 U			
1,1,2,2-TETRACHLOROETHANE	0.18 UJ			C
1,1,2-TRICHLOROTRIFLUOROETHANE	0.28 U			
1,1-DICHLOROETHANE	0.15 U			
1,1-DICHLOROETHENE	0.19 U			
1,1-DICHLOROPROPENE	0.13 U			
1,2,3-TRICHLOROBENZENE	0.17 U			
1,2,3-TRICHLOROPROPANE	0.43 U			
1,2,3-TRIMETHYLBENZENE	0.0059 U			
1,2,4-TRICHLOROBENZENE	0.15 U			
1,2,4-TRIMETHYLBENZENE	0.12 U			
1,2-DIBROMO-3-CHLOROPROPANE	0.67 U			
1,2-DIBROMOETHANE	0.24 U			
1,2-DICHLOROBENZENE	0.13 U			
1,2-DICHLOROETHANE	0.22 U			
1,2-DICHLOROPROPANE	0.18 U			
1,3-DICHLOROBENZENE	0.14 U			
1,3-DICHLOROPROPANE	0.16 U			
1,4-DICHLOROBENZENE	0.13 U			
2,2-DICHLOROPROPANE	0.13 U			
2-BUTANONE	0.57 U			
2-CHLOROETHYL VINYL ETHER	0.99 U			
2-CHLOROTOLUENE	0.11 U			
2-HEXANONE	0.41 U			
4-CHLOROTOLUENE	0.18 U			
4-ISOPROPYLTOLUENE	0.12 U			
4-METHYL-2-PENTANONE	0.32 U			
ACETONE	1.1 U			
BENZENE	0.13 U			
BROMOBENZENE	0.13 U			
BROMOCHLOROMETHANE	0.29 U			
BROMODICHLOROMETHANE	0.15 U			
BROMOFORM	0.64 UJ			C
BROMOMETHANE	0.41 UJ			C

PROJ_NO: 04769 SDG: 240-36245-1 FRACTION: OV MEDIA: WATER	NSAMPLE	TB-041614	
	LAB_ID	240-36245-8	
	SAMP_DATE	4/16/2014	
	QC_TYPE	NM	
	UNITS	UG/L	
	PCT_SOLIDS	0.0	
DUP_OF			
PARAMETER	RESULT	VQL	QLCD
CARBON DISULFIDE	0.13 U		
CARBON TETRACHLORIDE	0.13 UJ		C
CHLOROBENZENE	0.15 U		
CHLORODIBROMOMETHANE	0.18 U		
CHLOROETHANE	0.29 U		
CHLOROFORM	0.16 U		
CHLOROMETHANE	0.3 U		
CIS-1,2-DICHLOROETHENE	0.17 UJ		C
CIS-1,3-DICHLOROPROPENE	0.14 U		
DIBROMOMETHANE	0.28 U		
DICHLORODIFLUOROMETHANE	0.31 U		
DIISOPROPYL ETHER	1.5 U		
ETHYL TERT-BUTYL ETHER	0.11 U		
ETHYLBENZENE	0.17 U		
HEXACHLOROBUTADIENE	0.3 U		
ISOPROPYLBENZENE	0.13 U		
M+P-XYLENES	0.24 U		
METHYL TERT-BUTYL ETHER	0.17 U		
METHYLENE CHLORIDE	0.33 U		
NAPHTHALENE	0.24 U		
N-BUTYLBENZENE	0.12 U		
N-PROPYLBENZENE	0.14 U		
O-XYLENE	0.14 U		
SEC-BUTYLBENZENE	0.13 U		
STYRENE	0.11 U		
TERT-AMYL METHYL ETHER	0.067 U		
TERT-BUTYLBENZENE	0.13 U		
TERTIARY-BUTYL ALCOHOL	3.9 U		
TETRACHLOROETHENE	0.29 U		
TOLUENE	0.13 U		
TOTAL XYLENES	0.14 U		
TRANS-1,2-DICHLOROETHENE	0.19 U		
TRANS-1,3-DICHLOROPROPENE	0.19 UJ		C
TRICHLOROETHENE	0.17 U		
TRICHLOROFLUOROMETHANE	0.21 U		

PROJ_NO: 04769	NSAMPLE	TB-041614	
SDG: 240-36245-1	LAB_ID	240-36245-8	
FRACTION: OV	SAMP_DATE	4/16/2014	
MEDIA: WATER	QC_TYPE	NM	
	UNITS	UG/L	
	PCT_SOLIDS	0.0	
	DUP_OF		
PARAMETER	RESULT	VQL	QLCD
VINYL ACETATE		0.19 U	
VINYL CHLORIDE		0.22 U	

PROJ_NO: 04769 SDG: 240-36245-1 FRACTION: TICOV MEDIA: SOIL	NSAMPLE	MRC-E-SB-1361-15	MRC-E-SB-1361-30			
	LAB_ID	240-36245-1	240-36245-4			
	SAMP_DATE	4/16/2014	4/16/2014			
	QC_TYPE	NM	NM			
	UNITS	UG/KG	UG/KG			
	PCT_SOLIDS	86.3	84.1			
	DUP_OF					
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD
BENZEENEETHANAMINE, N- [(PENTAFLUOROPHENYL					270 NJ	Z1
BENZOIC ACID, 2-[(TRIMETHYLSILYL) OXY],		350 NJ	Z1			
CYCLOTETRASILOXANE, OCTAMETHYL-		1300 R	Z2			
SILANAMINE, N-[2,6-DIMETHYL-4- [(TRIMETHY					1500 R	Z2

Appendix B

Results as Reported by the Laboratory

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36245-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1360-10 Lab Sample ID: 240-36245-7

Matrix: Solid Lab File ID: UX80604.D

Analysis Method: 8260B Date Collected: 04/16/2014 15:35

Sample wt/vol: 5.46(g) Date Analyzed: 04/22/2014 04:52

Soil Aliquot Vol: _____ Dilution Factor: 1

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

% Moisture: 13.9 Level: (low/med) Low

Analysis Batch No.: 127337 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.66	U	5.3	0.66
71-55-6	1,1,1-Trichloroethane	0.60	U	5.3	0.60
79-34-5	1,1,2,2-Tetrachloroethane	0.36	U	5.3	0.36
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.4	U	5.3	1.4
75-34-3	1,1-Dichloroethane	0.38	U	5.3	0.38
75-35-4	1,1-Dichloroethene	0.55	U	5.3	0.55
563-58-6	1,1-Dichloropropene	0.32	U	5.3	0.32
87-61-6	1,2,3-Trichlorobenzene	0.40	U	5.3	0.40
96-18-4	1,2,3-Trichloropropane	0.96	U	5.3	0.96
526-73-8	1,2,3-Trimethylbenzene	0.18	U	5.3	0.18
120-82-1	1,2,4-Trichlorobenzene	0.29	U	5.3	0.29
95-63-6	1,2,4-Trimethylbenzene	0.69	U	5.3	0.69
96-12-8	1,2-Dibromo-3-Chloropropane	1.4	U	11	1.4
95-50-1	1,2-Dichlorobenzene	0.38	U	5.3	0.38
107-06-2	1,2-Dichloroethane	0.36	U	5.3	0.36
78-87-5	1,2-Dichloropropane	0.73	U	5.3	0.73
541-73-1	1,3-Dichlorobenzene	0.37	U	5.3	0.37
142-28-9	1,3-Dichloropropane	0.36	U	5.3	0.36
106-46-7	1,4-Dichlorobenzene	0.70	U	5.3	0.70
594-20-7	2,2-Dichloropropane	1.0	U	5.3	1.0
110-75-8	2-Chloroethyl vinyl ether	1.5	U	53	1.5
95-49-8	2-Chlorotoluene	0.43	U	5.3	0.43
591-78-6	2-Hexanone	0.67	U	21	0.67
108-86-1	Bromobenzene	0.35	U	5.3	0.35
74-97-5	Bromochloromethane	0.75	U	5.3	0.75
106-43-4	4-Chlorotoluene	0.44	U	5.3	0.44
99-87-6	p-Isopropyltoluene	0.22	U	5.3	0.22
67-64-1	Acetone	6.7	U	21	6.7
71-43-2	Benzene	0.24	U	5.3	0.24
75-25-2	Bromoform	0.35	U	5.3	0.35
74-83-9	Bromomethane	0.57	U	5.3	0.57
75-15-0	Carbon disulfide	0.47	U	5.3	0.47
56-23-5	Carbon tetrachloride	0.39	U	5.3	0.39
108-90-7	Chlorobenzene	0.35	U	5.3	0.35
75-00-3	Chloroethane	0.91	U	5.3	0.91

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36245-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1360-10 Lab Sample ID: 240-36245-7

Matrix: Solid Lab File ID: UX80604.D

Analysis Method: 8260B Date Collected: 04/16/2014 15:35

Sample wt/vol: 5.46(g) Date Analyzed: 04/22/2014 04:52

Soil Aliquot Vol: _____ Dilution Factor: 1

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

% Moisture: 13.9 Level: (low/med) Low

Analysis Batch No.: 127337 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.31	U	5.3	0.31
74-87-3	Chloromethane	0.44	U	5.3	0.44
156-59-2	cis-1,2-Dichloroethene	56		5.3	0.38
10061-01-5	cis-1,3-Dichloropropene	0.36	U	5.3	0.36
87-68-3	Hexachlorobutadiene	1.3	U	5.3	1.3
74-95-3	Dibromomethane	0.67	U	5.3	0.67
75-27-4	Bromodichloromethane	0.30	U	5.3	0.30
75-71-8	Dichlorodifluoromethane	0.53	U	5.3	0.53
100-41-4	Ethylbenzene	0.28	U	5.3	0.28
106-93-4	1,2-Dibromoethane	0.53	U	5.3	0.53
108-20-3	Diisopropyl ether	1.6	U	11	1.6
91-20-3	Naphthalene	0.20	U	5.3	0.20
179601-23-1	m-Xylene & p-Xylene	1.3	U	11	1.3
104-51-8	n-Butylbenzene	0.24	U	5.3	0.24
98-82-8	Isopropylbenzene	0.17	U	5.3	0.17
103-65-1	N-Propylbenzene	0.43	U	5.3	0.43
78-93-3	2-Butanone (MEK)	1.5	U	21	1.5
108-10-1	4-Methyl-2-pentanone (MIBK)	0.57	U	21	0.57
135-98-8	sec-Butylbenzene	0.19	U	5.3	0.19
1634-04-4	Methyl tert-butyl ether	0.46	U	5.3	0.46
994-05-8	Tert-amyl methyl ether	0.39	U	5.3	0.39
75-09-2	Methylene Chloride	1.1	J B	5.3	0.71
95-47-6	o-Xylene	0.37	U	5.3	0.37
100-42-5	Styrene	0.16	U	5.3	0.16
637-92-3	Ethyl-t-butyl ether (ETBE)	0.23	U	5.3	0.23
98-06-6	tert-Butylbenzene	0.31	U	5.3	0.31
127-18-4	Tetrachloroethene	0.55	U	5.3	0.55
108-88-3	Toluene	0.29	U	5.3	0.29
156-60-5	trans-1,2-Dichloroethene	0.44	U	5.3	0.44
10061-02-6	trans-1,3-Dichloropropene	0.57	U	5.3	0.57
79-01-6	Trichloroethene	110		5.3	0.45
75-69-4	Trichlorofluoromethane	0.36	U	5.3	0.36
108-05-4	Vinyl acetate	0.27	U *	11	0.27
75-01-4	Vinyl chloride	0.55	J	5.3	0.41
75-65-0	tert-Butyl alcohol	8.1	U	210	8.1
1330-20-7	Xylenes, Total	0.37	U	11	0.37

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Client Sample ID: MRC-E-SB-1360-10 Lab Sample ID: 240-36245-7
 Matrix: Solid Lab File ID: UX80604.D
 Analysis Method: 8260B Date Collected: 04/16/2014 15:35
 Sample wt/vol: 5.46(g) Date Analyzed: 04/22/2014 04:52
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
 % Moisture: 13.9 Level: (low/med) Low
 Analysis Batch No.: 127337 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.58	U	5.3	0.58

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		58-123
460-00-4	4-Bromofluorobenzene (Surr)	94		52-136
2037-26-5	Toluene-d8 (Surr)	90		67-125
1868-53-7	Dibromofluoromethane (Surr)	101		37-132

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

Lab Name: TestAmerica Canton Job No.: 240-36245-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1360-10 Lab Sample ID: 240-36245-7
Matrix: Solid Lab File ID: UX80604.D
Analysis Method: 8260B Date Collected: 04/16/2014 15:35
Sample wt/vol: 5.46(g) Date Analyzed: 04/22/2014 04:52
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: 13.9 Level: (low/med) Low
Analysis Batch No.: 127337 Units: ug/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

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Client Sample ID: MRC-E-SB-1360-5 Lab Sample ID: 240-36245-6
 Matrix: Solid Lab File ID: 147746.D
 Analysis Method: 8260B Date Collected: 04/16/2014 15:30
 Sample wt/vol: 7.009(g) Date Analyzed: 04/21/2014 15:57
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: 14.3 Level: (low/med) Low
 Analysis Batch No.: 127207 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.52	U	4.2	0.52
71-55-6	1,1,1-Trichloroethane	0.47	U	4.2	0.47
79-34-5	1,1,2,2-Tetrachloroethane	0.28	U	4.2	0.28
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.3	J	4.2	1.1
75-34-3	1,1-Dichloroethane	0.30	U	4.2	0.30
75-35-4	1,1-Dichloroethene	0.66	J	4.2	0.43
563-58-6	1,1-Dichloropropene	0.25	U	4.2	0.25
87-61-6	1,2,3-Trichlorobenzene	0.32	U	4.2	0.32
96-18-4	1,2,3-Trichloropropane	0.75	U	4.2	0.75
526-73-8	1,2,3-Trimethylbenzene	0.14	U	4.2	0.14
120-82-1	1,2,4-Trichlorobenzene	0.22	U	4.2	0.22
95-63-6	1,2,4-Trimethylbenzene	0.54	U	4.2	0.54
96-12-8	1,2-Dibromo-3-Chloropropane	1.1	U	8.3	1.1
95-50-1	1,2-Dichlorobenzene	0.30	U	4.2	0.30
107-06-2	1,2-Dichloroethane	0.28	U	4.2	0.28
78-87-5	1,2-Dichloropropane	0.57	U	4.2	0.57
541-73-1	1,3-Dichlorobenzene	0.29	U	4.2	0.29
142-28-9	1,3-Dichloropropane	0.28	U	4.2	0.28
106-46-7	1,4-Dichlorobenzene	0.55	U	4.2	0.55
594-20-7	2,2-Dichloropropane	0.78	U	4.2	0.78
110-75-8	2-Chloroethyl vinyl ether	1.2	U	42	1.2
95-49-8	2-Chlorotoluene	0.33	U	4.2	0.33
591-78-6	2-Hexanone	0.52	U	17	0.52
108-86-1	Bromobenzene	0.27	U	4.2	0.27
74-97-5	Bromochloromethane	0.59	U	4.2	0.59
106-43-4	4-Chlorotoluene	0.34	U	4.2	0.34
99-87-6	p-Isopropyltoluene	0.17	U	4.2	0.17
67-64-1	Acetone	18		17	5.2
71-43-2	Benzene	0.19	U	4.2	0.19
75-25-2	Bromoform	0.27	U	4.2	0.27
74-83-9	Bromomethane	0.45	U	4.2	0.45
75-15-0	Carbon disulfide	1.1	J B	4.2	0.37
56-23-5	Carbon tetrachloride	0.31	U	4.2	0.31
108-90-7	Chlorobenzene	0.27	U	4.2	0.27
75-00-3	Chloroethane	0.72	U	4.2	0.72

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Client Sample ID: MRC-E-SB-1360-5 Lab Sample ID: 240-36245-6
 Matrix: Solid Lab File ID: 147746.D
 Analysis Method: 8260B Date Collected: 04/16/2014 15:30
 Sample wt/vol: 7.009(g) Date Analyzed: 04/21/2014 15:57
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
 % Moisture: 14.3 Level: (low/med) Low
 Analysis Batch No.: 127207 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.24	U	4.2	0.24
74-87-3	Chloromethane	0.34	U	4.2	0.34
156-59-2	cis-1,2-Dichloroethene	63		4.2	0.30
10061-01-5	cis-1,3-Dichloropropene	0.28	U	4.2	0.28
87-68-3	Hexachlorobutadiene	1.0	U	4.2	1.0
74-95-3	Dibromomethane	0.52	U	4.2	0.52
75-27-4	Bromodichloromethane	0.23	U	4.2	0.23
75-71-8	Dichlorodifluoromethane	0.42	U	4.2	0.42
100-41-4	Ethylbenzene	0.22	U	4.2	0.22
106-93-4	1,2-Dibromoethane	0.42	U	4.2	0.42
108-20-3	Diisopropyl ether	1.2	U	8.3	1.2
91-20-3	Naphthalene	0.16	U	4.2	0.16
179601-23-1	m-Xylene & p-Xylene	1.0	U	8.3	1.0
104-51-8	n-Butylbenzene	0.19	U	4.2	0.19
98-82-8	Isopropylbenzene	0.13	U	4.2	0.13
103-65-1	N-Propylbenzene	0.33	U	4.2	0.33
78-93-3	2-Butanone (MEK)	2.7	J	17	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	0.45	U	17	0.45
135-98-8	sec-Butylbenzene	0.15	U	4.2	0.15
1634-04-4	Methyl tert-butyl ether	0.36	U	4.2	0.36
994-05-8	Tert-amyl methyl ether	0.31	U	4.2	0.31
75-09-2	Methylene Chloride	0.56	U	4.2	0.56
95-47-6	o-Xylene	0.29	U	4.2	0.29
100-42-5	Styrene	0.12	U	4.2	0.12
637-92-3	Ethyl-t-butyl ether (ETBE)	0.18	U	4.2	0.18
98-06-6	tert-Butylbenzene	0.24	U	4.2	0.24
127-18-4	Tetrachloroethene	0.43	U	4.2	0.43
108-88-3	Toluene	0.22	U	4.2	0.22
156-60-5	trans-1,2-Dichloroethene	0.41	J	4.2	0.34
10061-02-6	trans-1,3-Dichloropropene	0.45	U	4.2	0.45
79-01-6	Trichloroethene	150		4.2	0.35
75-69-4	Trichlorofluoromethane	0.28	U	4.2	0.28
108-05-4	Vinyl acetate	0.21	U *	8.3	0.21
75-01-4	Vinyl chloride	3.1	J	4.2	0.32
75-65-0	tert-Butyl alcohol	6.3	U	170	6.3
1330-20-7	Xylenes, Total	0.29	U	8.3	0.29

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Client Sample ID: MRC-E-SB-1360-5 Lab Sample ID: 240-36245-6
 Matrix: Solid Lab File ID: 147746.D
 Analysis Method: 8260B Date Collected: 04/16/2014 15:30
 Sample wt/vol: 7.009(g) Date Analyzed: 04/21/2014 15:57
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: 14.3 Level: (low/med) Low
 Analysis Batch No.: 127207 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.46	U	4.2	0.46

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		58-123
460-00-4	4-Bromofluorobenzene (Surr)	85		52-136
2037-26-5	Toluene-d8 (Surr)	92		67-125
1868-53-7	Dibromofluoromethane (Surr)	82		37-132

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

Lab Name: TestAmerica Canton Job No.: 240-36245-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1360-5 Lab Sample ID: 240-36245-6
Matrix: Solid Lab File ID: 147746.D
Analysis Method: 8260B Date Collected: 04/16/2014 15:30
Sample wt/vol: 7.009(g) Date Analyzed: 04/21/2014 15:57
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
% Moisture: 14.3 Level: (low/med) Low
Analysis Batch No.: 127207 Units: ug/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

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-36245-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-E-SB-1361-15</u>	Lab Sample ID: <u>240-36245-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>UX80587.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>04/16/2014 12:00</u>
Sample wt/vol: <u>5.469(g)</u>	Date Analyzed: <u>04/19/2014 11:30</u>
Soil Aliquot Vol: <u>100 (uL)</u>	Dilution Factor: <u>1</u>
Soil Extract Vol.: <u>5 (mL)</u>	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: <u>13.7</u>	Level: (low/med) <u>Medium</u>
Analysis Batch No.: <u>127149</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	9.6	U	260	9.6
71-55-6	1,1,1-Trichloroethane	22	U	260	22
79-34-5	1,1,2,2-Tetrachloroethane	9.4	U	260	9.4
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	41	U	260	41
75-34-3	1,1-Dichloroethane	18	U	260	18
75-35-4	1,1-Dichloroethene	19	U	260	19
563-58-6	1,1-Dichloropropene	11	U	260	11
87-61-6	1,2,3-Trichlorobenzene	11	U	260	11
96-18-4	1,2,3-Trichloropropane	22	U	260	22
526-73-8	1,2,3-Trimethylbenzene	0.18	U	260	0.18
120-82-1	1,2,4-Trichlorobenzene	7.7	U	260	7.7
95-63-6	1,2,4-Trimethylbenzene	5.3	U	260	5.3
96-12-8	1,2-Dibromo-3-Chloropropane	53	U	530	53
95-50-1	1,2-Dichlorobenzene	9.1	U	260	9.1
107-06-2	1,2-Dichloroethane	11	U	260	11
78-87-5	1,2-Dichloropropane	8.7	U	260	8.7
541-73-1	1,3-Dichlorobenzene	5.1	U	260	5.1
142-28-9	1,3-Dichloropropane	23	U	260	23
106-46-7	1,4-Dichlorobenzene	8.5	U	260	8.5
594-20-7	2,2-Dichloropropane	24	U	260	24
110-75-8	2-Chloroethyl vinyl ether	46	U	1100	46
95-49-8	2-Chlorotoluene	9.5	U	260	9.5
591-78-6	2-Hexanone	21	U	1100	21
108-86-1	Bromobenzene	14	U	260	14
74-97-5	Bromochloromethane	14	U	260	14
106-43-4	4-Chlorotoluene	10	U	260	10
99-87-6	p-Isopropyltoluene	5.1	U	260	5.1
67-64-1	Acetone	180	U	1100	180
71-43-2	Benzene	13	U	260	13
75-25-2	Bromoform	20	U	260	20
74-83-9	Bromomethane	31	U	260	31
75-15-0	Carbon disulfide	13	U	260	13
56-23-5	Carbon tetrachloride	6.8	U	260	6.8
108-90-7	Chlorobenzene	6.8	U	260	6.8
75-00-3	Chloroethane	65	U	260	65

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-36245-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-E-SB-1361-15</u>	Lab Sample ID: <u>240-36245-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>UX80587.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>04/16/2014 12:00</u>
Sample wt/vol: <u>5.469(g)</u>	Date Analyzed: <u>04/19/2014 11:30</u>
Soil Aliquot Vol: <u>100 (uL)</u>	Dilution Factor: <u>1</u>
Soil Extract Vol.: <u>5(mL)</u>	GC Column: <u>DB-624</u> ID: <u>0.18(mm)</u>
% Moisture: <u>13.7</u>	Level: (low/med) <u>Medium</u>
Analysis Batch No.: <u>127149</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	9.3	U	260	9.3
74-87-3	Chloromethane	15	U	260	15
156-59-2	cis-1,2-Dichloroethene	17	J	260	7.3
10061-01-5	cis-1,3-Dichloropropene	8.4	U	260	8.4
87-68-3	Hexachlorobutadiene	15	U	260	15
74-95-3	Dibromomethane	15	U	260	15
75-27-4	Bromodichloromethane	10	U	260	10
75-71-8	Dichlorodifluoromethane	17	U	260	17
100-41-4	Ethylbenzene	5.7	U	260	5.7
106-93-4	1,2-Dibromoethane	11	U	260	11
108-20-3	Diisopropyl ether	53	U	530	53
91-20-3	Naphthalene	19	J	260	7.1
179601-23-1	m-Xylene & p-Xylene	6.6	U	260	6.6
104-51-8	n-Butylbenzene	8.5	U	260	8.5
98-82-8	Isopropylbenzene	6.9	U	260	6.9
103-65-1	N-Propylbenzene	15	U	260	15
78-93-3	2-Butanone (MEK)	46	U	1100	46
108-10-1	4-Methyl-2-pentanone (MIBK)	51	U	1100	51
135-98-8	sec-Butylbenzene	5.0	U	260	5.0
1634-04-4	Methyl tert-butyl ether	7.5	U	260	7.5
994-05-8	Tert-amyl methyl ether	0.39	U	260	0.39
75-09-2	Methylene Chloride	91	J B	260	82
95-47-6	o-Xylene	9.0	U	260	9.0
100-42-5	Styrene	5.9	U	260	5.9
637-92-3	Ethyl-t-butyl ether (ETBE)	0.23	U	260	0.23
98-06-6	tert-Butylbenzene	6.9	U	260	6.9
127-18-4	Tetrachloroethene	13	U	260	13
108-88-3	Toluene	18	U	260	18
156-60-5	trans-1,2-Dichloroethene	9.8	U	260	9.8
10061-02-6	trans-1,3-Dichloropropene	21	U	260	21
79-01-6	Trichloroethene	1400		260	10
75-69-4	Trichlorofluoromethane	17	U	260	17
108-05-4	Vinyl acetate	24	U	530	24
75-01-4	Vinyl chloride	19	U	260	19
75-65-0	tert-Butyl alcohol	250	U *	11000	250
1330-20-7	Xylenes, Total	6.6	U	530	6.6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Client Sample ID: MRC-E-SB-1361-15 Lab Sample ID: 240-36245-1
 Matrix: Solid Lab File ID: UX80587.D
 Analysis Method: 8260B Date Collected: 04/16/2014 12:00
 Sample wt/vol: 5.469(g) Date Analyzed: 04/19/2014 11:30
 Soil Aliquot Vol: 100 (uL) Dilution Factor: 1
 Soil Extract Vol.: 5 (mL) GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: 13.7 Level: (low/med) Medium
 Analysis Batch No.: 127149 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	13	U	260	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	136	X	39-128
460-00-4	4-Bromofluorobenzene (Surr)	140		26-141
2037-26-5	Toluene-d8 (Surr)	115		33-134
1868-53-7	Dibromofluoromethane (Surr)	135	X	30-122

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

Lab Name: TestAmerica Canton Job No.: 240-36245-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1361-15 Lab Sample ID: 240-36245-1
Matrix: Solid Lab File ID: UX80587.D
Analysis Method: 8260B Date Collected: 04/16/2014 12:00
Sample wt/vol: 5.469(g) Date Analyzed: 04/19/2014 11:30
Soil Aliquot Vol: 100 (uL) Dilution Factor: 1
Soil Extract Vol.: 5 (mL) GC Column: DB-624 ID: 0.18 (mm)
% Moisture: 13.7 Level: (low/med) Medium
Analysis Batch No.: 127149 Units: ug/Kg
Number TICs Found: 2 TIC Result Total: 1650

CAS NO.	COMPOUND NAME	RT	RESULT	Q
556-67-2	Cyclotetrasiloxane, octamethyl-	8.91	1300	T J N
3789-85-3	Benzoic acid, 2-[(trimethylsilyl)oxy]-,	10.74	350	T J N

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36245-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1361-20 Lab Sample ID: 240-36245-2

Matrix: Solid Lab File ID: UX80588.D

Analysis Method: 8260B Date Collected: 04/16/2014 12:05

Sample wt/vol: 7.01(g) Date Analyzed: 04/19/2014 11:51

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.: 127149 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	7.9	U	220	7.9
71-55-6	1,1,1-Trichloroethane	18	U	220	18
79-34-5	1,1,2,2-Tetrachloroethane	7.7	U	220	7.7
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	34	U	220	34
75-34-3	1,1-Dichloroethane	15	U	220	15
75-35-4	1,1-Dichloroethene	16	U	220	16
563-58-6	1,1-Dichloropropene	8.7	U	220	8.7
87-61-6	1,2,3-Trichlorobenzene	8.7	U	220	8.7
96-18-4	1,2,3-Trichloropropane	18	U	220	18
526-73-8	1,2,3-Trimethylbenzene	0.15	U	220	0.15
120-82-1	1,2,4-Trichlorobenzene	6.3	U	220	6.3
95-63-6	1,2,4-Trimethylbenzene	4.3	U	220	4.3
96-12-8	1,2-Dibromo-3-Chloropropane	43	U	430	43
95-50-1	1,2-Dichlorobenzene	7.4	U	220	7.4
107-06-2	1,2-Dichloroethane	8.7	U	220	8.7
78-87-5	1,2-Dichloropropane	7.1	U	220	7.1
541-73-1	1,3-Dichlorobenzene	4.2	U	220	4.2
142-28-9	1,3-Dichloropropane	19	U	220	19
106-46-7	1,4-Dichlorobenzene	6.9	U	220	6.9
594-20-7	2,2-Dichloropropane	20	U	220	20
110-75-8	2-Chloroethyl vinyl ether	37	U	870	37
95-49-8	2-Chlorotoluene	7.8	U	220	7.8
591-78-6	2-Hexanone	17	U	870	17
108-86-1	Bromobenzene	11	U	220	11
74-97-5	Bromochloromethane	11	U	220	11
106-43-4	4-Chlorotoluene	8.6	U	220	8.6
99-87-6	p-Isopropyltoluene	4.2	U	220	4.2
67-64-1	Acetone	150	U	870	150
71-43-2	Benzene	10	U	220	10
75-25-2	Bromoform	16	U	220	16
74-83-9	Bromomethane	25	U	220	25
75-15-0	Carbon disulfide	10	U	220	10
56-23-5	Carbon tetrachloride	5.5	U	220	5.5
108-90-7	Chlorobenzene	5.5	U	220	5.5
75-00-3	Chloroethane	53	U	220	53

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-36245-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-E-SB-1361-20</u>	Lab Sample ID: <u>240-36245-2</u>
Matrix: <u>Solid</u>	Lab File ID: <u>UX80588.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>04/16/2014 12:05</u>
Sample wt/vol: <u>7.01(g)</u>	Date Analyzed: <u>04/19/2014 11:51</u>
Soil Aliquot Vol: <u>100 (uL)</u>	Dilution Factor: <u>1</u>
Soil Extract Vol.: <u>5(mL)</u>	GC Column: <u>DB-624</u> ID: <u>0.18(mm)</u>
% Moisture: <u>17.6</u>	Level: (low/med) <u>Medium</u>
Analysis Batch No.: <u>127149</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	7.6	U	220	7.6
74-87-3	Chloromethane	12	U	220	12
156-59-2	cis-1,2-Dichloroethene	19	J	220	6.0
10061-01-5	cis-1,3-Dichloropropene	6.8	U	220	6.8
87-68-3	Hexachlorobutadiene	12	U	220	12
74-95-3	Dibromomethane	12	U	220	12
75-27-4	Bromodichloromethane	8.6	U	220	8.6
75-71-8	Dichlorodifluoromethane	14	U	220	14
100-41-4	Ethylbenzene	4.7	U	220	4.7
106-93-4	1,2-Dibromoethane	8.7	U	220	8.7
108-20-3	Diisopropyl ether	43	U	430	43
91-20-3	Naphthalene	5.8	U	220	5.8
179601-23-1	m-Xylene & p-Xylene	5.4	U	220	5.4
104-51-8	n-Butylbenzene	6.9	U	220	6.9
98-82-8	Isopropylbenzene	5.6	U	220	5.6
103-65-1	N-Propylbenzene	12	U	220	12
78-93-3	2-Butanone (MEK)	37	U	870	37
108-10-1	4-Methyl-2-pentanone (MIBK)	42	U	870	42
135-98-8	sec-Butylbenzene	4.1	U	220	4.1
1634-04-4	Methyl tert-butyl ether	6.1	U	220	6.1
994-05-8	Tert-amyl methyl ether	0.32	U	220	0.32
75-09-2	Methylene Chloride	67	U	220	67
95-47-6	o-Xylene	7.4	U	220	7.4
100-42-5	Styrene	4.8	U	220	4.8
637-92-3	Ethyl-t-butyl ether (ETBE)	0.19	U	220	0.19
98-06-6	tert-Butylbenzene	5.6	U	220	5.6
127-18-4	Tetrachloroethene	10	U	220	10
108-88-3	Toluene	15	U	220	15
156-60-5	trans-1,2-Dichloroethene	8.0	U	220	8.0
10061-02-6	trans-1,3-Dichloropropene	17	U	220	17
79-01-6	Trichloroethene	6300		220	8.4
75-69-4	Trichlorofluoromethane	14	U	220	14
108-05-4	Vinyl acetate	20	U	430	20
75-01-4	Vinyl chloride	16	U	220	16
75-65-0	tert-Butyl alcohol	210	U *	8700	210
1330-20-7	Xylenes, Total	5.4	U	430	5.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Client Sample ID: MRC-E-SB-1361-20 Lab Sample ID: 240-36245-2
 Matrix: Solid Lab File ID: UX80588.D
 Analysis Method: 8260B Date Collected: 04/16/2014 12:05
 Sample wt/vol: 7.01(g) Date Analyzed: 04/19/2014 11:51
 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.: 127149 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	10	U	220	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	79		39-128
460-00-4	4-Bromofluorobenzene (Surr)	78		26-141
2037-26-5	Toluene-d8 (Surr)	71		33-134
1868-53-7	Dibromofluoromethane (Surr)	79		30-122

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

Lab Name: TestAmerica Canton Job No.: 240-36245-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1361-20 Lab Sample ID: 240-36245-2
Matrix: Solid Lab File ID: UX80588.D
Analysis Method: 8260B Date Collected: 04/16/2014 12:05
Sample wt/vol: 7.01(g) Date Analyzed: 04/19/2014 11:51
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.: 127149 Units: ug/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

Lab Name: TestAmerica Canton Job No.: 240-36245-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1361-25 Lab Sample ID: 240-36245-3

Matrix: Solid Lab File ID: UX80589.D

Analysis Method: 8260B Date Collected: 04/16/2014 12:10

Sample wt/vol: 3.726(g) Date Analyzed: 04/19/2014 12:12

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

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

% Moisture: 21.6 Level: (low/med) Medium

Analysis Batch No.: 127149 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	16	U	430	16
71-55-6	1,1,1-Trichloroethane	36	U	430	36
79-34-5	1,1,2,2-Tetrachloroethane	15	U	430	15
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	67	U	430	67
75-34-3	1,1-Dichloroethane	29	U	430	29
75-35-4	1,1-Dichloroethene	31	U	430	31
563-58-6	1,1-Dichloropropene	17	U	430	17
87-61-6	1,2,3-Trichlorobenzene	17	U	430	17
96-18-4	1,2,3-Trichloropropane	36	U	430	36
526-73-8	1,2,3-Trimethylbenzene	0.29	U	430	0.29
120-82-1	1,2,4-Trichlorobenzene	13	U	430	13
95-63-6	1,2,4-Trimethylbenzene	8.6	U	430	8.6
96-12-8	1,2-Dibromo-3-Chloropropane	86	U	860	86
95-50-1	1,2-Dichlorobenzene	15	U	430	15
107-06-2	1,2-Dichloroethane	17	U	430	17
78-87-5	1,2-Dichloropropane	14	U	430	14
541-73-1	1,3-Dichlorobenzene	8.2	U	430	8.2
142-28-9	1,3-Dichloropropane	38	U	430	38
106-46-7	1,4-Dichlorobenzene	14	U	430	14
594-20-7	2,2-Dichloropropane	39	U	430	39
110-75-8	2-Chloroethyl vinyl ether	74	U	1700	74
95-49-8	2-Chlorotoluene	15	U	430	15
591-78-6	2-Hexanone	34	U	1700	34
108-86-1	Bromobenzene	22	U	430	22
74-97-5	Bromochloromethane	22	U	430	22
106-43-4	4-Chlorotoluene	17	U	430	17
99-87-6	p-Isopropyltoluene	8.2	U	430	8.2
67-64-1	Acetone	290	U	1700	290
71-43-2	Benzene	21	U	430	21
75-25-2	Bromoform	33	U	430	33
74-83-9	Bromomethane	50	U	430	50
75-15-0	Carbon disulfide	21	U	430	21
56-23-5	Carbon tetrachloride	11	U	430	11
108-90-7	Chlorobenzene	11	U	430	11
75-00-3	Chloroethane	100	U	430	100

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-36245-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-E-SB-1361-25</u>	Lab Sample ID: <u>240-36245-3</u>
Matrix: <u>Solid</u>	Lab File ID: <u>UX80589.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>04/16/2014 12:10</u>
Sample wt/vol: <u>3.726(g)</u>	Date Analyzed: <u>04/19/2014 12:12</u>
Soil Aliquot Vol: <u>100 (uL)</u>	Dilution Factor: <u>1</u>
Soil Extract Vol.: <u>5(mL)</u>	GC Column: <u>DB-624</u> ID: <u>0.18(mm)</u>
% Moisture: <u>21.6</u>	Level: (low/med) <u>Medium</u>
Analysis Batch No.: <u>127149</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	15	U	430	15
74-87-3	Chloromethane	24	U	430	24
156-59-2	cis-1,2-Dichloroethene	43	J	430	12
10061-01-5	cis-1,3-Dichloropropene	14	U	430	14
87-68-3	Hexachlorobutadiene	24	U	430	24
74-95-3	Dibromomethane	24	U	430	24
75-27-4	Bromodichloromethane	17	U	430	17
75-71-8	Dichlorodifluoromethane	27	U	430	27
100-41-4	Ethylbenzene	9.2	U	430	9.2
106-93-4	1,2-Dibromoethane	17	U	430	17
108-20-3	Diisopropyl ether	86	U	860	86
91-20-3	Naphthalene	11	U	430	11
179601-23-1	m-Xylene & p-Xylene	11	U	430	11
104-51-8	n-Butylbenzene	14	U	430	14
98-82-8	Isopropylbenzene	11	U	430	11
103-65-1	N-Propylbenzene	24	U	430	24
78-93-3	2-Butanone (MEK)	74	U	1700	74
108-10-1	4-Methyl-2-pentanone (MIBK)	82	U	1700	82
135-98-8	sec-Butylbenzene	8.0	U	430	8.0
1634-04-4	Methyl tert-butyl ether	12	U	430	12
994-05-8	Tert-amyl methyl ether	0.63	U	430	0.63
75-09-2	Methylene Chloride	140	J B	430	130
95-47-6	o-Xylene	15	U	430	15
100-42-5	Styrene	9.6	U	430	9.6
637-92-3	Ethyl-t-butyl ether (ETBE)	0.38	U	430	0.38
98-06-6	tert-Butylbenzene	11	U	430	11
127-18-4	Tetrachloroethene	21	U	430	21
108-88-3	Toluene	29	U	430	29
156-60-5	trans-1,2-Dichloroethene	16	U	430	16
10061-02-6	trans-1,3-Dichloropropene	34	U	430	34
79-01-6	Trichloroethene	6300		430	17
75-69-4	Trichlorofluoromethane	27	U	430	27
108-05-4	Vinyl acetate	39	U	860	39
75-01-4	Vinyl chloride	31	U	430	31
75-65-0	tert-Butyl alcohol	410	U *	17000	410
1330-20-7	Xylenes, Total	11	U	860	11

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Client Sample ID: MRC-E-SB-1361-25 Lab Sample ID: 240-36245-3
 Matrix: Solid Lab File ID: UX80589.D
 Analysis Method: 8260B Date Collected: 04/16/2014 12:10
 Sample wt/vol: 3.726(g) Date Analyzed: 04/19/2014 12:12
 Soil Aliquot Vol: 100 (uL) Dilution Factor: 1
 Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)
 % Moisture: 21.6 Level: (low/med) Medium
 Analysis Batch No.: 127149 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	21	U	430	21

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		39-128
460-00-4	4-Bromofluorobenzene (Surr)	92		26-141
2037-26-5	Toluene-d8 (Surr)	81		33-134
1868-53-7	Dibromofluoromethane (Surr)	92		30-122

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

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-36245-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-E-SB-1361-25</u>	Lab Sample ID: <u>240-36245-3</u>
Matrix: <u>Solid</u>	Lab File ID: <u>UX80589.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>04/16/2014 12:10</u>
Sample wt/vol: <u>3.726(g)</u>	Date Analyzed: <u>04/19/2014 12:12</u>
Soil Aliquot Vol: <u>100 (uL)</u>	Dilution Factor: <u>1</u>
Soil Extract Vol.: <u>5 (mL)</u>	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: <u>21.6</u>	Level: (low/med) <u>Medium</u>
Analysis Batch No.: <u>127149</u>	Units: <u>ug/Kg</u>
Number TICs Found: <u>0</u>	TIC Result Total: <u>0</u>

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36245-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1361-30 Lab Sample ID: 240-36245-4

Matrix: Solid Lab File ID: UX80590.D

Analysis Method: 8260B Date Collected: 04/16/2014 12:15

Sample wt/vol: 5.685(g) Date Analyzed: 04/19/2014 12:34

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

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

% Moisture: 15.9 Level: (low/med) Medium

Analysis Batch No.: 127149 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	9.5	U	260	9.5
71-55-6	1,1,1-Trichloroethane	22	U	260	22
79-34-5	1,1,2,2-Tetrachloroethane	9.3	U	260	9.3
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	41	U	260	41
75-34-3	1,1-Dichloroethane	18	U	260	18
75-35-4	1,1-Dichloroethene	19	U	260	19
563-58-6	1,1-Dichloropropene	10	U	260	10
87-61-6	1,2,3-Trichlorobenzene	10	U	260	10
96-18-4	1,2,3-Trichloropropane	22	U	260	22
526-73-8	1,2,3-Trimethylbenzene	0.18	U	260	0.18
120-82-1	1,2,4-Trichlorobenzene	7.6	U	260	7.6
95-63-6	1,2,4-Trimethylbenzene	5.2	U	260	5.2
96-12-8	1,2-Dibromo-3-Chloropropane	52	U	520	52
95-50-1	1,2-Dichlorobenzene	9.0	U	260	9.0
107-06-2	1,2-Dichloroethane	10	U	260	10
78-87-5	1,2-Dichloropropane	8.6	U	260	8.6
541-73-1	1,3-Dichlorobenzene	5.0	U	260	5.0
142-28-9	1,3-Dichloropropane	23	U	260	23
106-46-7	1,4-Dichlorobenzene	8.4	U	260	8.4
594-20-7	2,2-Dichloropropane	24	U	260	24
110-75-8	2-Chloroethyl vinyl ether	45	U	1000	45
95-49-8	2-Chlorotoluene	9.4	U	260	9.4
591-78-6	2-Hexanone	21	U	1000	21
108-86-1	Bromobenzene	14	U	260	14
74-97-5	Bromochloromethane	14	U	260	14
106-43-4	4-Chlorotoluene	10	U	260	10
99-87-6	p-Isopropyltoluene	5.0	U	260	5.0
67-64-1	Acetone	180	U	1000	180
71-43-2	Benzene	13	U	260	13
75-25-2	Bromoform	20	U	260	20
74-83-9	Bromomethane	30	U	260	30
75-15-0	Carbon disulfide	13	U	260	13
56-23-5	Carbon tetrachloride	6.7	U	260	6.7
108-90-7	Chlorobenzene	6.7	U	260	6.7
75-00-3	Chloroethane	64	U	260	64

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-36245-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-E-SB-1361-30</u>	Lab Sample ID: <u>240-36245-4</u>
Matrix: <u>Solid</u>	Lab File ID: <u>UX80590.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>04/16/2014 12:15</u>
Sample wt/vol: <u>5.685(g)</u>	Date Analyzed: <u>04/19/2014 12:34</u>
Soil Aliquot Vol: <u>100 (uL)</u>	Dilution Factor: <u>1</u>
Soil Extract Vol.: <u>5 (mL)</u>	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: <u>15.9</u>	Level: (low/med) <u>Medium</u>
Analysis Batch No.: <u>127149</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	9.2	U	260	9.2
74-87-3	Chloromethane	15	U	260	15
156-59-2	cis-1,2-Dichloroethene	42	J	260	7.2
10061-01-5	cis-1,3-Dichloropropene	8.3	U	260	8.3
87-68-3	Hexachlorobutadiene	15	U	260	15
74-95-3	Dibromomethane	15	U	260	15
75-27-4	Bromodichloromethane	10	U	260	10
75-71-8	Dichlorodifluoromethane	17	U	260	17
100-41-4	Ethylbenzene	5.6	U	260	5.6
106-93-4	1,2-Dibromoethane	10	U	260	10
108-20-3	Diisopropyl ether	52	U	520	52
91-20-3	Naphthalene	7.0	U	260	7.0
179601-23-1	m-Xylene & p-Xylene	6.5	U	260	6.5
104-51-8	n-Butylbenzene	8.4	U	260	8.4
98-82-8	Isopropylbenzene	6.8	U	260	6.8
103-65-1	N-Propylbenzene	15	U	260	15
78-93-3	2-Butanone (MEK)	45	U	1000	45
108-10-1	4-Methyl-2-pentanone (MIBK)	50	U	1000	50
135-98-8	sec-Butylbenzene	4.9	U	260	4.9
1634-04-4	Methyl tert-butyl ether	7.4	U	260	7.4
994-05-8	Tert-amyl methyl ether	0.39	U	260	0.39
75-09-2	Methylene Chloride	82	J B	260	81
95-47-6	o-Xylene	8.9	U	260	8.9
100-42-5	Styrene	5.9	U	260	5.9
637-92-3	Ethyl-t-butyl ether (ETBE)	0.23	U	260	0.23
98-06-6	tert-Butylbenzene	6.8	U	260	6.8
127-18-4	Tetrachloroethene	13	U	260	13
108-88-3	Toluene	18	U	260	18
156-60-5	trans-1,2-Dichloroethene	9.6	U	260	9.6
10061-02-6	trans-1,3-Dichloropropene	21	U	260	21
79-01-6	Trichloroethene	5700		260	10
75-69-4	Trichlorofluoromethane	17	U	260	17
108-05-4	Vinyl acetate	24	U	520	24
75-01-4	Vinyl chloride	19	U	260	19
75-65-0	tert-Butyl alcohol	250	U *	10000	250
1330-20-7	Xylenes, Total	6.5	U	520	6.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Client Sample ID: MRC-E-SB-1361-30 Lab Sample ID: 240-36245-4
 Matrix: Solid Lab File ID: UX80590.D
 Analysis Method: 8260B Date Collected: 04/16/2014 12:15
 Sample wt/vol: 5.685(g) Date Analyzed: 04/19/2014 12:34
 Soil Aliquot Vol: 100 (uL) Dilution Factor: 1
 Soil Extract Vol.: 5 (mL) GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: 15.9 Level: (low/med) Medium
 Analysis Batch No.: 127149 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	13	U	260	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	155	X	39-128
460-00-4	4-Bromofluorobenzene (Surr)	165	X	26-141
2037-26-5	Toluene-d8 (Surr)	131		33-134
1868-53-7	Dibromofluoromethane (Surr)	150	X	30-122

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

Lab Name: TestAmerica Canton Job No.: 240-36245-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1361-30 Lab Sample ID: 240-36245-4
Matrix: Solid Lab File ID: UX80590.D
Analysis Method: 8260B Date Collected: 04/16/2014 12:15
Sample wt/vol: 5.685(g) Date Analyzed: 04/19/2014 12:34
Soil Aliquot Vol: 100 (uL) Dilution Factor: 1
Soil Extract Vol.: 5 (mL) GC Column: DB-624 ID: 0.18 (mm)
% Moisture: 15.9 Level: (low/med) Medium
Analysis Batch No.: 127149 Units: ug/Kg
Number TICs Found: 2 TIC Result Total: 1770

CAS NO.	COMPOUND NAME	RT	RESULT	Q
72088-09-6	Silanamine, N-[2,6-dimethyl-4-[(trimethy	8.92	1500	T J N
55429-85-1	Benzeneethanamine, N-[(pentafluorophenyl	10.74	270	T J N

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36245-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1361-35 Lab Sample ID: 240-36245-5

Matrix: Solid Lab File ID: UX80574.D

Analysis Method: 8260B Date Collected: 04/16/2014 12:20

Sample wt/vol: 7.217(g) Date Analyzed: 04/19/2014 06:54

Soil Aliquot Vol: _____ Dilution Factor: 1

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

% Moisture: 17.2 Level: (low/med) Low

Analysis Batch No.: 127149 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.52	U	4.2	0.52
71-55-6	1,1,1-Trichloroethane	0.47	U	4.2	0.47
79-34-5	1,1,2,2-Tetrachloroethane	0.28	U	4.2	0.28
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.9	J	4.2	1.1
75-34-3	1,1-Dichloroethane	0.30	U	4.2	0.30
75-35-4	1,1-Dichloroethene	2.9	J	4.2	0.44
563-58-6	1,1-Dichloropropene	0.25	U	4.2	0.25
87-61-6	1,2,3-Trichlorobenzene	0.32	U	4.2	0.32
96-18-4	1,2,3-Trichloropropane	0.75	U	4.2	0.75
526-73-8	1,2,3-Trimethylbenzene	0.14	U	4.2	0.14
120-82-1	1,2,4-Trichlorobenzene	0.23	U	4.2	0.23
95-63-6	1,2,4-Trimethylbenzene	0.54	U	4.2	0.54
96-12-8	1,2-Dibromo-3-Chloropropane	1.1	U	8.4	1.1
95-50-1	1,2-Dichlorobenzene	0.30	U	4.2	0.30
107-06-2	1,2-Dichloroethane	0.28	U	4.2	0.28
78-87-5	1,2-Dichloropropane	0.58	U	4.2	0.58
541-73-1	1,3-Dichlorobenzene	0.29	U	4.2	0.29
142-28-9	1,3-Dichloropropane	0.28	U	4.2	0.28
106-46-7	1,4-Dichlorobenzene	0.55	U	4.2	0.55
594-20-7	2,2-Dichloropropane	0.79	U	4.2	0.79
110-75-8	2-Chloroethyl vinyl ether	1.2	U	42	1.2
95-49-8	2-Chlorotoluene	0.33	U	4.2	0.33
591-78-6	2-Hexanone	0.53	U	17	0.53
108-86-1	Bromobenzene	0.28	U	4.2	0.28
74-97-5	Bromochloromethane	0.59	U	4.2	0.59
106-43-4	4-Chlorotoluene	0.34	U	4.2	0.34
99-87-6	p-Isopropyltoluene	0.18	U	4.2	0.18
67-64-1	Acetone	7.3	J	17	5.3
71-43-2	Benzene	0.19	U	4.2	0.19
75-25-2	Bromoform	0.28	U	4.2	0.28
74-83-9	Bromomethane	0.45	U	4.2	0.45
75-15-0	Carbon disulfide	0.37	U	4.2	0.37
56-23-5	Carbon tetrachloride	0.31	U	4.2	0.31
108-90-7	Chlorobenzene	0.28	U	4.2	0.28
75-00-3	Chloroethane	0.72	U	4.2	0.72

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-36245-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-E-SB-1361-35</u>	Lab Sample ID: <u>240-36245-5</u>
Matrix: <u>Solid</u>	Lab File ID: <u>UX80574.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>04/16/2014 12:20</u>
Sample wt/vol: <u>7.217(g)</u>	Date Analyzed: <u>04/19/2014 06:54</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18(mm)</u>
% Moisture: <u>17.2</u>	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>127149</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.7	J	4.2	0.24
74-87-3	Chloromethane	0.34	U	4.2	0.34
156-59-2	cis-1,2-Dichloroethene	6.8		4.2	0.30
10061-01-5	cis-1,3-Dichloropropene	0.28	U	4.2	0.28
87-68-3	Hexachlorobutadiene	1.0	U	4.2	1.0
74-95-3	Dibromomethane	0.53	U	4.2	0.53
75-27-4	Bromodichloromethane	0.23	U	4.2	0.23
75-71-8	Dichlorodifluoromethane	0.42	U	4.2	0.42
100-41-4	Ethylbenzene	0.22	U	4.2	0.22
106-93-4	1,2-Dibromoethane	0.42	U	4.2	0.42
108-20-3	Diisopropyl ether	1.3	U	8.4	1.3
91-20-3	Naphthalene	0.16	U	4.2	0.16
179601-23-1	m-Xylene & p-Xylene	1.0	U	8.4	1.0
104-51-8	n-Butylbenzene	0.19	U	4.2	0.19
98-82-8	Isopropylbenzene	0.13	U	4.2	0.13
103-65-1	N-Propylbenzene	0.33	U	4.2	0.33
78-93-3	2-Butanone (MEK)	1.2	U	17	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	0.45	U	17	0.45
135-98-8	sec-Butylbenzene	0.15	U	4.2	0.15
1634-04-4	Methyl tert-butyl ether	0.36	U	4.2	0.36
994-05-8	Tert-amyl methyl ether	0.31	U	4.2	0.31
75-09-2	Methylene Chloride	3.7	J B	4.2	0.56
95-47-6	o-Xylene	0.29	U	4.2	0.29
100-42-5	Styrene	0.13	U	4.2	0.13
637-92-3	Ethyl-t-butyl ether (ETBE)	0.18	U	4.2	0.18
98-06-6	tert-Butylbenzene	0.24	U	4.2	0.24
127-18-4	Tetrachloroethene	0.44	U	4.2	0.44
108-88-3	Toluene	0.23	U	4.2	0.23
156-60-5	trans-1,2-Dichloroethene	0.34	U	4.2	0.34
10061-02-6	trans-1,3-Dichloropropene	0.45	U	4.2	0.45
79-01-6	Trichloroethene	2800	E	4.2	0.35
75-69-4	Trichlorofluoromethane	0.28	U	4.2	0.28
108-05-4	Vinyl acetate	0.21	U *	8.4	0.21
75-01-4	Vinyl chloride	0.33	U	4.2	0.33
75-65-0	tert-Butyl alcohol	6.4	U	170	6.4
1330-20-7	Xylenes, Total	0.29	U	8.4	0.29

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Client Sample ID: MRC-E-SB-1361-35 Lab Sample ID: 240-36245-5
 Matrix: Solid Lab File ID: UX80574.D
 Analysis Method: 8260B Date Collected: 04/16/2014 12:20
 Sample wt/vol: 7.217(g) Date Analyzed: 04/19/2014 06:54
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
 % Moisture: 17.2 Level: (low/med) Low
 Analysis Batch No.: 127149 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.46	U	4.2	0.46

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		58-123
460-00-4	4-Bromofluorobenzene (Surr)	90		52-136
2037-26-5	Toluene-d8 (Surr)	92		67-125
1868-53-7	Dibromofluoromethane (Surr)	93		37-132

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

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-36245-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-E-SB-1361-35</u>	Lab Sample ID: <u>240-36245-5</u>
Matrix: <u>Solid</u>	Lab File ID: <u>UX80574.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>04/16/2014 12:20</u>
Sample wt/vol: <u>7.217(g)</u>	Date Analyzed: <u>04/19/2014 06:54</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: <u>17.2</u>	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>127149</u>	Units: <u>ug/Kg</u>
Number TICs Found: <u>0</u>	TIC Result Total: <u>0</u>

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Client Sample ID: TB-041614 Lab Sample ID: 240-36245-8
 Matrix: Water Lab File ID: UXX9919.D
 Analysis Method: 8260B Date Collected: 04/16/2014 00:00
 Sample wt/vol: 5 (mL) Date Analyzed: 04/23/2014 04:31
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 127481 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.23	U	1.0	0.23
71-55-6	1,1,1-Trichloroethane	0.22	U	1.0	0.22
79-34-5	1,1,2,2-Tetrachloroethane	0.18	U *	1.0	0.18
76-13-1	1,1,2-Trichlorotrifluoroethane	0.28	U	1.0	0.28
75-34-3	1,1-Dichloroethane	0.15	U	1.0	0.15
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.13	U	1.0	0.13
87-61-6	1,2,3-Trichlorobenzene	0.17	U	1.0	0.17
96-18-4	1,2,3-Trichloropropane	0.43	U	1.0	0.43
526-73-8	1,2,3-Trimethylbenzene	0.0059	U	5.0	0.0059
120-82-1	1,2,4-Trichlorobenzene	0.15	U	1.0	0.15
95-63-6	1,2,4-Trimethylbenzene	0.12	U	1.0	0.12
96-12-8	1,2-Dibromo-3-Chloropropane	0.67	U	2.0	0.67
95-50-1	1,2-Dichlorobenzene	0.13	U	1.0	0.13
107-06-2	1,2-Dichloroethane	0.22	U	1.0	0.22
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	0.14	U	1.0	0.14
142-28-9	1,3-Dichloropropane	0.16	U	1.0	0.16
106-46-7	1,4-Dichlorobenzene	0.13	U	1.0	0.13
594-20-7	2,2-Dichloropropane	0.13	U	1.0	0.13
110-75-8	2-Chloroethyl vinyl ether	0.99	U	10	0.99
95-49-8	2-Chlorotoluene	0.11	U	1.0	0.11
591-78-6	2-Hexanone	0.41	U	10	0.41
108-86-1	Bromobenzene	0.13	U	1.0	0.13
74-97-5	Bromochloromethane	0.29	U	1.0	0.29
106-43-4	4-Chlorotoluene	0.18	U	1.0	0.18
99-87-6	4-Isopropyltoluene	0.12	U	1.0	0.12
67-64-1	Acetone	1.1	U	10	1.1
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.64	U	1.0	0.64
74-83-9	Bromomethane	0.41	U	1.0	0.41
75-15-0	Carbon disulfide	0.13	U	1.0	0.13
56-23-5	Carbon tetrachloride	0.13	U	1.0	0.13
108-90-7	Chlorobenzene	0.15	U	1.0	0.15
75-00-3	Chloroethane	0.29	U	1.0	0.29
67-66-3	Chloroform	0.16	U	1.0	0.16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-36245-1</u>
SDG No.: _____	
Client Sample ID: <u>TB-041614</u>	Lab Sample ID: <u>240-36245-8</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXX9919.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>04/16/2014 00:00</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>04/23/2014 04:31</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>127481</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.30	U	1.0	0.30
156-59-2	cis-1,2-Dichloroethene	0.17	U	1.0	0.17
10061-01-5	cis-1,3-Dichloropropene	0.14	U	1.0	0.14
87-68-3	Hexachlorobutadiene	0.30	U	1.0	0.30
74-95-3	Dibromomethane	0.28	U	1.0	0.28
75-27-4	Bromodichloromethane	0.15	U	1.0	0.15
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.17	U	1.0	0.17
106-93-4	1,2-Dibromoethane	0.24	U	1.0	0.24
108-20-3	Diisopropyl ether	1.5	U	10	1.5
91-20-3	Naphthalene	0.24	U	1.0	0.24
179601-23-1	m-Xylene & p-Xylene	0.24	U	2.0	0.24
104-51-8	n-Butylbenzene	0.12	U	1.0	0.12
98-82-8	Isopropylbenzene	0.13	U	1.0	0.13
103-65-1	N-Propylbenzene	0.14	U	1.0	0.14
78-93-3	2-Butanone (MEK)	0.57	U	10	0.57
108-10-1	4-Methyl-2-pentanone (MIBK)	0.32	U	10	0.32
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.17	U	1.0	0.17
994-05-8	Tert-amyl methyl ether	0.067	U	5.0	0.067
75-09-2	Methylene Chloride	0.33	U	1.0	0.33
95-47-6	o-Xylene	0.14	U	1.0	0.14
100-42-5	Styrene	0.11	U	1.0	0.11
637-92-3	Ethyl-t-butyl ether (ETBE)	0.11	U	5.0	0.11
98-06-6	tert-Butylbenzene	0.13	U	1.0	0.13
127-18-4	Tetrachloroethene	0.29	U	1.0	0.29
108-88-3	Toluene	0.13	U	1.0	0.13
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	0.17	U	1.0	0.17
75-69-4	Trichlorofluoromethane	0.21	U	1.0	0.21
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.22	U	1.0	0.22
75-65-0	tert-Butyl alcohol	3.9	U	50	3.9
1330-20-7	Xylenes, Total	0.14	U	2.0	0.14
124-48-1	Chlorodibromomethane	0.18	U	1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36245-1
SDG No.: _____
Client Sample ID: TB-041614 Lab Sample ID: 240-36245-8
Matrix: Water Lab File ID: UXX9919.D
Analysis Method: 8260B Date Collected: 04/16/2014 00:00
Sample wt/vol: 5(mL) Date Analyzed: 04/23/2014 04:31
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 127481 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		63-129
460-00-4	4-Bromofluorobenzene (Surr)	87		66-120
2037-26-5	Toluene-d8 (Surr)	98		74-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-121

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

Lab Name: TestAmerica Canton Job No.: 240-36245-1
SDG No.: _____
Client Sample ID: TB-041614 Lab Sample ID: 240-36245-8
Matrix: Water Lab File ID: UXX9919.D
Analysis Method: 8260B Date Collected: 04/16/2014 00:00
Sample wt/vol: 5(mL) Date Analyzed: 04/23/2014 04:31
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 127481 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

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

Appendix C

Support Documentation

TestAmerica Canton Sample Receipt Form/Narrative
Canton Facility

Login # : 36245

Client <u>Tetra Tech</u>		Site Name _____		Cooler unpacked by: <u>Ryan Rott</u>	
Cooler Received on <u>4/17/14</u>		Opened on <u>4/17/14</u>			
FedEx: 1 st Grd ☒ Exp		UPS FAS Stetson Client Drop Off		TestAmerica Courier Other _____	
TestAmerica Cooler # _____		Foam Box ☒ Client Cooler		Box Other _____	
Packing material used: <u>Bubble Wrap</u>		Foam Plastic Bag		None Other _____	
COOLANT: <u>Wet Ice</u>		Blue Ice Dry Ice Water		None	

1. Cooler temperature upon receipt

IR GUN# A (CF +0 °C) Observed Cooler Temp. <u>42</u> °C	Corrected Cooler Temp. <u>42</u> °C	☐ See Multiple Cooler Form
IR GUN# 4 (CF -1 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	
IR GUN# 5 (CF +1 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	
IR GUN# 8 (CF +1 °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? <u>Yes</u> No NA	
-Were custody seals on the bottle(s)? <u>Yes</u> <u>No</u>	
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. Did all bottles arrive in good condition (Unbroken)? Yes No
7. Could all bottle labels be reconciled with the COC? Yes No
8. Were correct bottle(s) used for the test(s) indicated? Yes No
9. Sufficient quantity received to perform indicated analyses? Yes No
10. Were sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC391902
11. Were VOAs on the COC? Yes No
12. Were air bubbles >6 mm in any VOA vials? Yes No NA
13. Was a trip blank present in the cooler(s)? Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____
Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by: Ryan Rott

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
 Sample(s) _____ were received in a broken container.
 Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.
 Time preserved: _____ Preservative(s) added/Lot number(s): _____

CASE NARRATIVE

Client: Tetra Tech, Inc.

Project: MRC Block E

Report Number: 240-36245-1

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 04/17/2014; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 4.2 C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples MRC-E-SB-1361-15 (240-36245-1), MRC-E-SB-1361-20 (240-36245-2), MRC-E-SB-1361-25 (240-36245-3), MRC-E-SB-1361-30 (240-36245-4), MRC-E-SB-1361-35 (240-36245-5), MRC-E-SB-1360-5 (240-36245-6) and MRC-E-SB-1360-10 (240-36245-7) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260B. The samples were prepared on 04/17/2014 and analyzed on 04/19/2014, 04/21/2014 and 04/22/2014.

Methylene Chloride was detected in method blank MB 240-126978/1-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.

Methylene Chloride was detected in method blank MB 240-126981/1-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.

Methylene Chloride was detected in method blank MB 240-126981/2-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.

Several analytes were detected in method blank MB 240-127207/6 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.

1,2-Dichloroethane-d4 (Surr) and Dibromofluoromethane (Surr) failed the surrogate recovery criteria high for MRC-E-SB-1361-15 (240-36245-1).

1,2-Dichloroethane-d4 (Surr), 4-Bromofluorobenzene (Surr) and Dibromofluoromethane (Surr) failed the surrogate recovery criteria high for MRC-E-SB-1361-30 (240-36245-4).

tert-Butyl alcohol failed the recovery criteria low for LCS 240-126978/2-A.

Vinyl acetate failed the recovery criteria high for LCS 240-127149/5.

Vinyl acetate failed the recovery criteria high for LCS 240-127207/5.

Vinyl acetate failed the recovery criteria high for LCS 240-127337/6.

No other difficulties were encountered during the VOCs analysis. All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Sample TB-041614 (240-36245-8) was analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 04/23/2014.

1,1,2,2-Tetrachloroethane failed the recovery criteria high for LCS 240-127481/4

No other difficulties were encountered during the VOCs analysis. All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples MRC-E-SB-1361-15 (240-36245-1), MRC-E-SB-1361-20 (240-36245-2), MRC-E-SB-1361-25 (240-36245-3), MRC-E-SB-1361-30 (240-36245-4), MRC-E-SB-1361-35 (240-36245-5), MRC-E-SB-1360-5 (240-36245-6) and MRC-E-SB-1360-10 (240-36245-7) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 04/20/2014.

No difficulties were encountered during the % solids analysis. All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Tetra Tech, Inc.

Job Number: 240-36245-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-36245-1	MRC-E-SB-1361-15	Solid	04/16/2014 1200	04/17/2014 0915
240-36245-2	MRC-E-SB-1361-20	Solid	04/16/2014 1205	04/17/2014 0915
240-36245-3	MRC-E-SB-1361-25	Solid	04/16/2014 1210	04/17/2014 0915
240-36245-4	MRC-E-SB-1361-30	Solid	04/16/2014 1215	04/17/2014 0915
240-36245-5	MRC-E-SB-1361-35	Solid	04/16/2014 1220	04/17/2014 0915
240-36245-6	MRC-E-SB-1360-5	Solid	04/16/2014 1530	04/17/2014 0915
240-36245-7	MRC-E-SB-1360-10	Solid	04/16/2014 1535	04/17/2014 0915
240-36245-8TB	TB-041614	Water	04/16/2014 0000	04/17/2014 0915

METHOD SUMMARY

Client: Tetra Tech, Inc.

Job Number: 240-36245-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL CAN	SW846 8260B	
Closed System Purge and Trap	TAL CAN		SW846 5035
Percent Moisture	TAL CAN	EPA Moisture	
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL CAN	SW846 8260B	
Purge and Trap	TAL CAN		SW846 5030B

Lab References:

TAL CAN = TestAmerica Canton

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Matrix: Solid Level: Low
 GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
MRC-E-SB-1361-35	240-36245-5	93	86	92	90
MRC-E-SB-1360-5	240-36245-6	82	87	92	85
MRC-E-SB-1360-10	240-36245-7	101	95	90	94
	MB 240-126981/1-A	101	91	90	93
	MB 240-126981/2-A	92	79	85	87
	MB 240-127207/6	92	94	96	90
	LCS 240-127149/5	95	82	88	90
	LCS 240-127207/5	98	93	98	93
	LCS 240-127337/6	95	84	86	93
	240-36329-B-1-B MS	108	93	107 *	75 *
	240-36329-B-1-C MSD	109	95	107 *	75 *

	<u>QC LIMITS</u>
DBFM = Dibromofluoromethane (Surr)	37-132
DCA = 1,2-Dichloroethane-d4 (Surr)	58-123
TOL = Toluene-d8 (Surr)	67-125
BFB = 4-Bromofluorobenzene (Surr)	52-136

Column to be used to flag recovery values

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 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 #
MRC-E-SB-1361-15	240-36245-1	135 X	136 X	115	140
MRC-E-SB-1361-20	240-36245-2	79	79	71	78
MRC-E-SB-1361-25	240-36245-3	92	95	81	92
MRC-E-SB-1361-30	240-36245-4	150 X	155 X	131	165 X
	MB 240-126978/1-A	90	96	80	92
	LCS 240-126978/2-A	92	90	80	92

	<u>QC LIMITS</u>
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
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-36245-1
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-041614	240-36245-8	104	113	98	87
	MB 240-127481/6	90	99	93	86
	LCS 240-127481/4	88	94	101	95
	240-36223-A-1 MS	87	89	89	88
	240-36223-C-1 MSD	90	90	92	90

DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

QC LIMITS
75-121
63-129
74-120
66-120

Column to be used to flag recovery values

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Sample No.: STD8260 240-122370/4 Date Analyzed: 03/13/2014 09:48
 Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): UXX8836.D Heated Purge: (Y/N) N
 Calibration ID: 21113

	FB		CBZ		DCB	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	1491749	5.55	1027785	8.23	613728	10.47
UPPER LIMIT	2983498	6.05	2055570	8.73	1227456	10.97
LOWER LIMIT	745875	5.05	513893	7.73	306864	9.97
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 240-122370/14	1457730	5.54	947218	8.23	600605	10.47
ICV 240-122370/15	1408930	5.55	916360	8.23	581640	10.47
CCVIS 240-127481/2	1026381	5.55	707563	8.23	360726	10.47

FB = Fluorobenzene
 CBZ = Chlorobenzene-d5
 DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Sample No.: CCVIS 240-127481/2 Date Analyzed: 04/23/2014 00:25
 Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): UXX9908.D Heated Purge: (Y/N) N
 Calibration ID: 21353

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1026381	5.55	707563	8.23	360726	10.47
UPPER LIMIT		2052762	6.05	1415126	8.73	721452	10.97
LOWER LIMIT		513191	5.05	353782	7.73	180363	9.97
LAB SAMPLE ID		CLIENT SAMPLE ID					
CCV 240-127481/3		1000767	5.55	606669	8.23	336467	10.47
LCS 240-127481/4		1041446	5.54	729779	8.23	374563	10.47
MB 240-127481/6		997576	5.54	724864	8.23	384829	10.47
240-36245-8	TB-041614	981689	5.55	589562	8.23	321281	10.47
240-36223-A-1 MS		1336565	5.54	933211	8.23	478830	10.47
240-36223-C-1 MSD		1119607	5.54	766354	8.23	431542	10.47

FB = Fluorobenzene
 CBZ = Chlorobenzene-d5
 DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Sample No.: ICIS 240-126349/6 Date Analyzed: 04/14/2014 11:38
 Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): 147657.D Heated Purge: (Y/N) Y
 Calibration ID: 21696

	FB		CBZ		DCB	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	2111919	6.75	1331813	9.47	713887	11.43
UPPER LIMIT	4223838	7.25	2663626	9.97	1427774	11.93
LOWER LIMIT	1055960	6.25	665907	8.97	356944	10.93
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 240-126349/21	1919550	6.75	1207227	9.47	631186	11.43
CCVIS 240-127207/3	2020549	6.75	1312077	9.47	734117	11.43

FB = Fluorobenzene

CBZ = Chlorobenzene-d5

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Sample No.: CCVIS 240-127207/3 Date Analyzed: 04/21/2014 11:39
 Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): 147734.D Heated Purge: (Y/N) Y
 Calibration ID: 21698

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		2020549	6.75	1312077	9.47	734117	11.43
UPPER LIMIT		4041098	7.25	2624154	9.97	1468234	11.93
LOWER LIMIT		1010275	6.25	656039	8.97	367059	10.93
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-127207/4		1970001	6.75	1237340	9.47	731030	11.43
LCS 240-127207/5		2022865	6.75	1308364	9.47	721741	11.43
MB 240-127207/6		1903213	6.75	1226518	9.47	719354	11.43
240-36245-6	MRC-E-SB-1360-5	1942799	6.75	1242275	9.47	691725	11.43

FB = Fluorobenzene
 CBZ = Chlorobenzene-d5
 DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Sample No.: ICIS 240-125368/6 Date Analyzed: 04/05/2014 05:14
 Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): UX80335.D Heated Purge: (Y/N) Y
 Calibration ID: 21604

	FB		CBZ		DCB	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	1704888	5.16	1004203	7.68	442383	9.88
UPPER LIMIT	3409776	5.66	2008406	8.18	884766	10.38
LOWER LIMIT	852444	4.66	502102	7.18	221192	9.38
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 240-125368/18	1490472	5.16	858627	7.69	392557	9.88
ICV 240-125368/19	1544525	5.16	884832	7.68	413125	9.88
CCVIS 240-127149/3	1843263	5.15	1116421	7.68	504903	9.87
CCVIS 240-127337/4	1874819	5.16	1125474	7.69	503939	9.88

FB = Fluorobenzene
 CBZ = Chlorobenzene-d5
 DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Sample No.: CCVIS 240-127149/3 Date Analyzed: 04/19/2014 03:00
 Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): UX80563.D Heated Purge: (Y/N) Y
 Calibration ID: 21606

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1843263	5.15	1116421	7.68	504903	9.87
UPPER LIMIT		3686526	5.65	2232842	8.18	1009806	10.37
LOWER LIMIT		921632	4.65	558211	7.18	252452	9.37
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-127149/4		1745609	5.16	1061334	7.68	452198	9.88
LCS 240-127149/5		1747846	5.16	1054860	7.68	468005	9.88
MB 240-126981/1-A		1535322	5.16	948902	7.68	422754	9.88
240-36245-5	MRC-E-SB-1361-35	1559146	5.16	949398	7.68	409482	9.88
MB 240-126978/1-A		1559799	5.15	993129	7.68	442035	9.87
LCS 240-126978/2-A		1729624	5.15	1007366	7.68	462434	9.88
240-36245-1	MRC-E-SB-1361-15	1608626	5.15	960345	7.68	431366	9.87
240-36245-2	MRC-E-SB-1361-20	1628071	5.15	961549	7.68	433491	9.88
240-36245-3	MRC-E-SB-1361-25	1652786	5.15	983570	7.68	429682	9.88
240-36245-4	MRC-E-SB-1361-30	1672629	5.16	982071	7.68	440062	9.88

FB = Fluorobenzene
 CBZ = Chlorobenzene-d5
 DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Sample No.: CCVIS 240-127337/4 Date Analyzed: 04/22/2014 02:10
 Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): UX80597.D Heated Purge: (Y/N) Y
 Calibration ID: 21606

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1874819	5.16	1125474	7.69	503939	9.88
UPPER LIMIT		3749638	5.66	2250948	8.19	1007878	10.38
LOWER LIMIT		937410	4.66	562737	7.19	251970	9.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-127337/5		1745096	5.16	1068538	7.68	462460	9.88
LCS 240-127337/6		1793657	5.15	1102057	7.68	491145	9.88
MB 240-126981/2-A		1714762	5.15	1027579	7.68	451103	9.88
240-36245-7	MRC-E-SB-1360-10	1437128	5.16	877622	7.69	397491	9.88
240-36329-B-1-B MS		1068411	5.15	457157*	7.68	123086*	9.88
240-36329-B-1-C MSD		1139779	5.16	503049*	7.68	136660*	9.88

FB = Fluorobenzene

CBZ = Chlorobenzene-d5

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-36245-1
SDG No.: _____
Lab File ID: BFB5580.D BFB Injection Date: 03/13/2014
Instrument ID: A3UX10 BFB Injection Time: 08:39
Analysis Batch No.: 122370

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	17.3
75	30.0 - 60.0 % of mass 95	49.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.9
173	Less than 2.0 % of mass 174	0.1 (0.1)1
174	50.0 - 120.00 % of mass 95	86.9
175	5.0 - 9.0 % of mass 174	6.5 (7.5)1
176	95.0 - 101.0 % of mass 174	83.3 (95.8)1
177	5.0 - 9.0 % of mass 176	5.7 (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
	STD8260 240-122370/2	UXX8834.D	03/13/2014	09:02
	STD8260 240-122370/3	UXX8835.D	03/13/2014	09:24
	STD8260 240-122370/4	UXX8836.D	03/13/2014	09:48
	STD8260 240-122370/5	UXX8837.D	03/13/2014	10:10
	STD8260 240-122370/6	UXX8838.D	03/13/2014	10:33
	STD8260 240-122370/7	UXX8839.D	03/13/2014	10:55
	STDA9 240-122370/8	UXX8840.D	03/13/2014	11:18
	STDA9 240-122370/9	UXX8841.D	03/13/2014	11:40
	STDA9 240-122370/10	UXX8842.D	03/13/2014	12:02
	STDA9 240-122370/11	UXX8843.D	03/13/2014	12:25
	STDA9 240-122370/12	UXX8844.D	03/13/2014	12:47
	STDA9 240-122370/13	UXX8845.D	03/13/2014	13:09
	ICV 240-122370/14	UXX8846.D	03/13/2014	13:50
	ICV 240-122370/15	UXX8847.D	03/13/2014	14:12

FORM VI

GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Analy Batch No.: 122370

Job No.: 240-36245-1

Lab Name: TestAmerica Canton

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/13/2014 09:02 Calibration End Date: 03/13/2014 10:55 Calibration ID: 21113

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-122370/7	UXX8839.D
Level 2	STD8260 240-122370/6	UXX8838.D
Level 3	STD8260 240-122370/5	UXX8837.D
Level 4	STD8260 240-122370/4	UXX8836.D
Level 5	STD8260 240-122370/3	UXX8835.D
Level 6	STD8260 240-122370/2	UXX8834.D

ANALYTE	RRF						CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R ² OR COD	#	MIN R ² OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6		B	M1	M2								
Dichlorodifluoromethane	0.2351 0.2522	0.2412	0.2233	0.2482	0.2522	Ave			0.2420				4.7		15.0			
Chloromethane	0.3337 0.2770	0.3055	0.2809	0.2718	0.2761	Ave			0.2908			0.1000	8.3		15.0			
Vinyl chloride	0.2986 0.2843	0.2917	0.2749	0.2772	0.2823	Ave			0.2848				3.1		15.0			
Butadiene	0.2985 0.2557	0.2801	0.2592	0.2556	0.2538	Ave			0.2671				6.8		15.0			
Bromomethane	0.1623 0.1036	0.1528	0.1378	0.1183	0.1263	Linl		0.0764	0.1096						0.9900			0.9900
Chloroethane	0.1738 0.1443	0.1643	0.1606	0.1470	0.1562	Ave			0.1577				7.0		15.0			
Dichlorofluoromethane	0.3860 0.2893	0.3416	0.3193	0.3006	0.3122	Ave			0.3248				11.0		15.0			
Trichlorofluoromethane	0.2911 0.2690	0.2877	0.2724	0.2839	0.2803	Ave			0.2807				3.1		15.0			
Ethyl ether	0.1766 0.1775	0.1636	0.1606	0.1726	0.1710	Ave			0.1703				4.0		15.0			
Acrolein	0.0265 0.0260	0.0260	0.0244	0.0255	0.0267	Ave			0.0258				3.2		15.0			
1,1-Dichloroethene	0.2302 0.2164	0.2257	0.2045	0.2099	0.2186	Ave			0.2175				4.4		15.0			
1,1,2-Trichlorotrifluoroethane	0.1862 0.1940	0.1959	0.1601	0.1824	0.1859	Ave			0.1841				7.0		15.0			
Acetone	0.0617 0.0612	0.0527	0.0531	0.0617	0.0619	Ave			0.0587				7.7		15.0			
Iodomethane	0.3782 0.3597	0.3626	0.3430	0.3520	0.3540	Ave			0.3583				3.3		15.0			
Carbon disulfide	0.7303 0.7175	0.7152	0.6643	0.6891	0.7109	Ave			0.7045				3.4		15.0			

Note: The ml coefficient is the same as Ave RRF for an Ave curve type.

FORM VI

GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-36245-1 Analy Batch No.: 122370

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/13/2014 09:02 Calibration End Date: 03/13/2014 10:55 Calibration ID: 21113

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	0.1611 0.1518	0.1494	0.1430	0.1476	0.1531	Ave			0.1510				4.0		15.0			
Methyl acetate	0.1415 0.1427	0.1313	0.1280	0.1366	0.1443	Ave			0.1374				4.8		15.0			
Methylene Chloride	0.3443 0.2359	0.2861	0.2451	0.2408	0.2412	Lin1		0.1037	0.2332						1.0000			0.9900
tert-Butyl alcohol	0.0124 0.0185	0.0112	0.0115	0.0177	0.0193	Lin1		-0.118	0.0188						0.9910			0.9900
Acrylonitrile	0.0686 0.0713	0.0647	0.0637	0.0691	0.0727	Ave			0.0683				5.2		15.0			
Methyl tert-butyl ether	0.7053 0.7033	0.6530	0.6488	0.6670	0.7001	Ave			0.6796				3.9		15.0			
trans-1,2-Dichloroethene	0.2715 0.2373	0.2550	0.2346	0.2414	0.2467	Ave			0.2478				5.5		15.0			
Hexane	0.0622 0.0621	0.0576	0.0519	0.0604	0.0608	Ave			0.0592				6.6		15.0			
1,1-Dichloroethane	0.4200 0.4123	0.4127	0.3962	0.4073	0.4136	Ave			0.4104			0.1000	2.0		15.0			
Vinyl acetate	0.2499 0.2755	0.2458	0.2461	0.2668	0.2648	Ave			0.2581				4.9		15.0			
2,2-Dichloropropane	0.3404 0.3338	0.3346	0.3152	0.3274	0.3346	Ave			0.3310				2.6		15.0			
cis-1,2-Dichloroethene	0.2844 0.2570	0.2691	0.2526	0.2566	0.2589	Ave			0.2631				4.5		15.0			
2-Butanone (MEK)	0.0717 0.0776	0.0661	0.0658	0.0765	0.0798	Ave			0.0729				8.2		15.0			
Bromochloromethane	0.1277 0.1212	0.1199	0.1166	0.1182	0.1214	Ave			0.1208				3.2		15.0			
Tetrahydrofuran	0.0628 0.0532	0.0561	0.0513	0.0525	0.0532	Ave			0.0549				7.7		15.0			
Chloroform	0.4091 0.3998	0.3965	0.3883	0.3936	0.4001	Ave			0.3979				1.8		15.0			
1,1,1-Trichloroethane	0.3758 0.3613	0.3620	0.3441	0.3590	0.3657	Ave			0.3613				2.9		15.0			
Cyclohexane	0.3882 0.4002	0.4071	0.3482	0.3903	0.3980	Ave			0.3887				5.4		15.0			
1,1-Dichloropropene	0.3153 0.3039	0.2969	0.2821	0.2999	0.3027	Ave			0.3001				3.6		15.0			
Carbon tetrachloride	0.3030 0.3273	0.3113	0.2889	0.3134	0.3260	Ave			0.3117				4.6		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI

GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton

Job No.: 240-36245-1

Analy Batch No.: 122370

SDG No.:

Instrument ID: A3UX10

GC Column: DB-624

ID: 0.18 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 03/13/2014 09:02

Calibration End Date: 03/13/2014 10:55

Calibration ID: 21113

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	0.0120 0.0080	0.0058	0.0066	0.0078	0.0084	Lin1	0.0127	0.0080						0.9900		0.9900
Benzene	0.9808 0.9463	0.9526	0.9016	0.9385	0.9429	Ave		0.9438			2.7		15.0			
1,2-Dichloroethane	0.3005 0.2997	0.2897	0.2882	0.2961	0.3020	Ave		0.2960			2.0		15.0			
n-Heptane	0.0505 0.0556	0.0518	0.0461	0.0536	0.0524	Ave		0.0517			6.3		15.0			
Trichloroethene	0.2524 0.2505	0.2456	0.2399	0.2491	0.2498	Ave		0.2479			1.8		15.0			
Methylcyclohexane	0.3681 0.4035	0.3938	0.3403	0.3883	0.3998	Ave		0.3823			6.3		15.0			
1,2-Dichloropropane	0.2019 0.2137	0.2038	0.2037	0.2136	0.2120	Ave		0.2081			2.7		15.0			
Dibromomethane	0.1206 0.1236	0.1157	0.1190	0.1229	0.1246	Ave		0.1211			2.8		15.0			
1,4-Dioxane	0.0008 0.0018	0.0009	0.0009	0.0021	0.0020	Qua	-0.068	0.0024	0				15.0	0.9950		0.9900
Bromodichloromethane	0.2704 0.3046	0.2793	0.2780	0.2879	0.2969	Ave		0.2862			4.5		15.0			
2-Chloroethyl vinyl ether	0.0585 0.0866	0.0595	0.0675	0.0807	0.0839	Lin1	-0.086	0.0862						0.9980		0.9900
cis-1,3-Dichloropropene	0.2912 0.3568	0.3047	0.3100	0.3419	0.3479	Ave		0.3254			8.2		15.0			
4-Methyl-2-pentanone (MIBK)	0.1394 0.1665	0.1418	0.1396	0.1571	0.1664	Ave		0.1518			8.6		15.0			
Toluene	1.4615 1.4216	1.4050	1.3791	1.3802	1.4160	Ave		1.4106			2.2		15.0			
trans-1,3-Dichloropropene	0.3681 0.4292	0.3691	0.3915	0.4066	0.4240	Ave		0.3981			6.6		15.0			
Ethyl methacrylate	0.2764 0.3465	0.2842	0.3048	0.3292	0.3516	Ave		0.3155			10.0		15.0			
1,1,2-Trichloroethane	0.2496 0.2460	0.2437	0.2522	0.2472	0.2515	Ave		0.2484			1.3		15.0			
Tetrachloroethene	0.3038 0.2845	0.2924	0.2800	0.2816	0.2863	Ave		0.2881			3.1		15.0			
1,3-Dichloropropane	0.4404 0.4501	0.4282	0.4405	0.4460	0.4519	Ave		0.4429			1.9		15.0			
2-Hexanone	0.1455 0.1559	0.1340	0.1386	0.1487	0.1580	Ave		0.1468			6.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI

GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton

Job No.: 240-36245-1

Analy Batch No.: 122370

SDG No.:

Instrument ID: A3UX10

GC Column: DB-624

ID: 0.18 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 03/13/2014 09:02

Calibration End Date: 03/13/2014 10:55

Calibration ID: 21113

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	0.2685 0.3074	0.2662	0.2766	0.2873	0.2992	Ave			0.2842				5.9		15.0			
1,2-Dibromoethane	0.2466 0.2471	0.2388	0.2432	0.2450	0.2511	Ave			0.2453				1.7		15.0			
Chlorobenzene	0.9392 0.8969	0.8870	0.8903	0.8959	0.8955	Ave			0.9008			0.3000	2.1		15.0			
1,1,1,2-Tetrachloroethane	0.3260 0.3371	0.3274	0.3251	0.3256	0.3359	Ave			0.3295				1.7		15.0			
Ethylbenzene	0.5064 0.4957	0.5011	0.4823	0.4955	0.4939	Ave			0.4958				1.6		15.0			
m-Xylene & p-Xylene	0.6292 0.6215	0.6094	0.6004	0.6209	0.6169	Ave			0.6164				1.6		15.0			
o-Xylene	0.6243 0.6252	0.6043	0.6016	0.6140	0.6187	Ave			0.6147				1.6		15.0			
Styrene	0.9381 1.0159	0.9504	0.9419	0.9932	0.9975	Ave			0.9728				3.4		15.0			
Bromoform	0.1632 0.2063	0.1645	0.1721	0.1874	0.1986	Ave			0.1820			0.1000	10.0		15.0			
Isopropylbenzene	1.6147 1.6860	1.5898	1.5513	1.6099	1.6605	Ave			1.6187				3.0		15.0			
1,1,2,2-Tetrachloroethane	0.5333 0.5596	0.5116	0.5282	0.5479	0.5583	Ave			0.5398			0.3000	3.5		15.0			
Bromobenzene	0.6529 0.6798	0.6842	0.6558	0.6754	0.6708	Ave			0.6698				1.9		15.0			
1,2,3-Trichloropropane	0.1807 0.1854	0.1717	0.1772	0.1867	0.1839	Ave			0.1809				3.1		15.0			
trans-1,4-Dichloro-2-butene	0.1370 0.1791	0.1386	0.1324	0.1630	0.1776	Ave			0.1580				12.0		15.0			
N-Propylbenzene	0.7026 0.7789	0.7350	0.7186	0.7608	0.7476	Ave			0.7406				3.8		15.0			
2-Chlorotoluene	0.6347 0.6511	0.6436	0.6256	0.6430	0.6435	Ave			0.6402				1.4		15.0			
1,3,5-Trimethylbenzene	2.0564 2.3932	2.1199	2.1145	2.2765	2.2962	Ave			2.2095				5.9		15.0			
4-Chlorotoluene	0.6512 0.6798	0.6715	0.6531	0.6824	0.6626	Ave			0.6668				2.0		15.0			
tert-Butylbenzene	1.8314 2.0767	1.8513	1.8431	1.9884	2.0086	Ave			1.9332				5.4		15.0			
1,2,4-Trimethylbenzene	2.1662 2.5065	2.2638	2.2108	2.3707	2.4062	Ave			2.3207				5.6		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI

GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-36245-1 Analy Batch No.: 122370

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/13/2014 09:02 Calibration End Date: 03/13/2014 10:55 Calibration ID: 21113

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	2.4320 2.8708	2.5721	2.4472	2.7018	2.7748	Ave				2.6331							15.0			
1,3-Dichlorobenzene	1.3366 1.3205	1.3324	1.2710	1.3072	1.3175	Ave				1.3142							15.0			
4-Isopropyltoluene	2.1208 2.5218	2.2477	2.1782	2.4228	2.4882	Ave				2.3299							15.0			
1,4-Dichlorobenzene	1.3782 1.3694	1.3746	1.3226	1.3523	1.3650	Ave				1.3603							15.0			
n-Butylbenzene	1.7854 2.0843	1.8813	1.7710	1.9656	2.0342	Ave				1.9203							15.0			
1,2-Dichlorobenzene	1.2887 1.2790	1.2840	1.2095	1.2647	1.2692	Ave				1.2659							15.0			
1,2-Dibromo-3-Chloropropane	0.1012 0.1201	0.1016	0.1029	0.1160	0.1237	Ave				0.1109							15.0			
1,2,4-Trichlorobenzene	0.7975 0.8215	0.8025	0.7548	0.8660	0.8742	Ave				0.8194							15.0			
Hexachlorobutadiene	0.3065 0.3056	0.3179	0.2840	0.3308	0.3308	Ave				0.3126							15.0			
Naphthalene	1.8389 1.8848	1.8338	1.7252	1.9783	2.0783	Ave				1.8899							15.0			
1,2,3-Trichlorobenzene	0.7013 0.6991	0.6930	0.6526	0.7889	0.7862	Ave				0.7202							15.0			
Dibromofluoromethane (Surr)	0.2112 0.2079	0.2038	0.2068	0.2038	0.2081	Ave				0.2069							15.0			
1,2-Dichloroethane-d4 (Surr)	0.2471 0.2456	0.2387	0.2474	0.2432	0.2507	Ave				0.2454							15.0			
Toluene-d8 (Surr)	1.2187 1.1966	1.1473	1.2073	1.1634	1.2068	Ave				1.1900							15.0			
4-Bromofluorobenzene (Surr)	0.4722 0.4518	0.4510	0.4414	0.4512	0.4460	Ave				0.4523							15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-36245-1 Analy Batch No.: 122370

SDG No.: _____

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/13/2014 11:18 Calibration End Date: 03/13/2014 13:09 Calibration ID: 21115

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-122370/13	UXX8845.D
Level 2	STDA9 240-122370/12	UXX8844.D
Level 3	STDA9 240-122370/11	UXX8843.D
Level 4	STDA9 240-122370/10	UXX8842.D
Level 5	STDA9 240-122370/9	UXX8841.D
Level 6	STDA9 240-122370/8	UXX8840.D

ANALYTE	RRF						CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5			B	M1	M2								
Acetonitrile	0.0227 0.0245	0.0219	0.0223	0.0185	0.0252		Ave		0.0225				11.0		15.0			
Diisopropyl ether	0.2177 0.2201	0.2183	0.2123	0.2133	0.2250		Ave		0.2178				2.1		15.0			
2-Chloro-1,3-butadiene	0.3647 0.3652	0.3481	0.3469	0.3558	0.3624		Ave		0.3572				2.3		15.0			
Ethyl-t-butyl ether (ETBE)	0.7083 0.7249	0.6903	0.6829	0.6918	0.7248		Ave		0.7038				2.6		15.0			
Ethyl acetate	0.1150 0.1043	0.1099	0.1092	0.0938	0.1071		Ave		0.1066				6.7		15.0			
Propionitrile	0.0233 0.0248	0.0241	0.0250	0.0223	0.0257		Ave		0.0242				5.2		15.0			
Methacrylonitrile	0.1098 0.1101	0.1083	0.1113	0.1044	0.1118		Ave		0.1093				2.5		15.0			
Tert-amyl methyl ether	0.6180 0.6591	0.5989	0.6201	0.6160	0.6565		Ave		0.6281				3.9		15.0			
n-Butanol	0.0060 0.0062	0.0057	0.0059	0.0044	0.0064		Ave		0.0057				13.0		15.0			
Ethyl acrylate	0.1489 0.1706	0.1580	0.1770	0.1508	0.1720		Ave		0.1629				7.3		15.0			
Methyl methacrylate	0.1284 0.1333	0.1267	0.1341	0.1186	0.1341		Ave		0.1292				4.7		15.0			
2-Nitropropane	0.0408 0.0420	0.0381	0.0411	0.0364	0.0418		Ave		0.0400				5.6		15.0			
Cyclohexanone	0.0121 0.0120	0.0125	0.0122	0.0094	0.0124		Ave		0.0118				10.0		15.0			
Pentachloroethane	0.2014 0.2558	0.2139	0.2193	0.2148	0.2442		Ave		0.2249				9.2		15.0			
1,2,3-Trimethylbenzene	2.1275 2.4014	2.1642	2.2349	2.2068	2.3640		Ave		2.2498				4.9		15.0			

Note: The ml coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-36245-1 Analy Batch No.: 122370

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/13/2014 11:18 Calibration End Date: 03/13/2014 13:09 Calibration ID: 21115

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								
Benzyl chloride	0.1821 0.2483	0.1831	0.1956	0.2094	0.2365	Ave		0.2092				13.0		15.0			
1,3,5-Trichlorobenzene	0.8974 0.9436	0.9033	0.8899	0.8322	0.9266	Ave		0.8988				4.3		15.0			
2-Methylnaphthalene	0.9795 0.8616	0.9780	0.9449	0.8458	0.9983	Ave		0.9347				7.0		15.0			
n-Butyl acetate	0.0923 0.1000	0.1021	0.1134	0.0953	0.1048	Ave		0.1013				7.4		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.: 240-36245-1 *no sample*
 SDG No.: _____
 Lab Sample ID: ICV 240-122370/14 Calibration Date: 03/13/2014 13:50
 Instrument ID: A3UX10 Calib Start Date: 03/13/2014 09:02
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 03/13/2014 10:55
 Lab File ID: UXX8846.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	0.2420	0.2371		0.310	0.0100	-2.0	50.0
Chloromethane	Ave	0.2908	0.2908	0.1000	0.300	0.0100	-0.0	50.0
Vinyl chloride	Ave	0.2848	0.2999		0.220	0.0100	5.3	20.0
Butadiene	Ave	0.2671	0.2653		0.00993	0.0100	-0.7	50.0
Bromomethane	Lin1		0.1380		0.410	0.0100	18.9	50.0
Chloroethane	Ave	0.1577	0.1628		0.290	0.0100	3.2	50.0
Dichlorofluoromethane	Ave	0.3248	0.3365		0.420	0.0100	3.6	50.0
Trichlorofluoromethane	Ave	0.2807	0.3051		0.210	0.0100	8.7	50.0
Ethyl ether	Ave	0.1703	0.1728		0.310	0.0100	1.4	50.0
Acrolein	Ave	0.0258	0.0230		2.20	0.0500	-10.9	50.0
1,1-Dichloroethene	Ave	0.2175	0.2317		0.190	0.0100	6.5	20.0
1,1,2-Trichlorotrifluoroethane	Ave	0.1841	0.1956		0.280	0.0100	6.2	50.0
Acetone	Ave	0.0587	0.0600		1.10	0.0200	2.2	50.0
Iodomethane	Ave	0.3583	0.4006		0.180	0.0100	11.8	50.0
Carbon disulfide	Ave	0.7045	0.7887		0.130	0.0100	11.9	50.0
3-Chloro-1-propene	Ave	0.1510	0.1487		0.350	0.0100	-1.5	50.0
Methyl acetate	Ave	0.1374	0.1284		0.380	0.0500	-6.5	50.0
Methylene Chloride	Lin1		0.2480		0.330	0.0100	1.9	50.0
tert-Butyl alcohol	Lin1		0.0172		3.90	0.100	-2.0	50.0
Acrylonitrile	Ave	0.0683	0.0690		2.00	0.100	1.0	50.0
Methyl tert-butyl ether	Ave	0.6796	0.6731		0.170	0.0100	-1.0	50.0
trans-1,2-Dichloroethene	Ave	0.2478	0.2606		0.190	0.0100	5.2	50.0
Hexane	Ave	0.0592	0.0650		0.260	0.0100	9.8	20.0
1,1-Dichloroethane	Ave	0.4104	0.4339	0.1000	0.150	0.0100	5.7	50.0
Vinyl acetate	Ave	0.2581	0.3765		0.190	0.00800	45.8	50.0
2,2-Dichloropropane	Ave	0.3310	0.3400		0.130	0.0100	2.7	50.0
cis-1,2-Dichloroethene	Ave	0.2631	0.2665		0.170	0.0100	1.3	50.0
2-Butanone (MEK)	Ave	0.0729	0.0711		0.570	0.0200	-2.6	50.0
Bromochloromethane	Ave	0.1208	0.1232		0.290	0.0100	1.9	50.0
Tetrahydrofuran	Ave	0.0549	0.0501		0.420	0.0200	-8.8	50.0
Chloroform	Ave	0.3979	0.4055		0.160	0.0100	1.9	20.0
1,1,1-Trichloroethane	Ave	0.3613	0.3743		0.220	0.0100	3.6	50.0
Cyclohexane	Ave	0.3887	0.4049		0.120	0.0100	4.2	50.0
1,1-Dichloropropene	Ave	0.3001	0.3367		0.130	0.0100	12.2	50.0
Carbon tetrachloride	Ave	0.3117	0.3275		0.130	0.0100	5.1	50.0
Isobutyl alcohol	Lin1		0.0076		8.20	0.250	-5.7	50.0
Benzene	Ave	0.9438	0.9570		0.130	0.0100	1.4	50.0
1,2-Dichloroethane	Ave	0.2960	0.2952		0.220	0.0100	-0.3	50.0
n-Heptane	Ave	0.0517	0.0563		0.180	0.0100	8.9	50.0
Trichloroethene	Ave	0.2479	0.2586		0.170	0.0100	4.3	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Lab Sample ID: ICV 240-122370/14 Calibration Date: 03/13/2014 13:50
 Instrument ID: A3UX10 Calib Start Date: 03/13/2014 09:02
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 03/13/2014 10:55
 Lab File ID: UXX8846.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	0.3823	0.3958		0.130	0.0100	3.5	50.0
1,2-Dichloropropane	Ave	0.2081	0.2097		0.180	0.0100	0.8	20.0
1,4-Dioxane	Qua		0.0019		19.0	0.200	-1.1	50.0
Dibromomethane	Ave	0.1211	0.1208		0.280	0.0100	-0.2	50.0
Bromodichloromethane	Ave	0.2862	0.2795		0.150	0.0100	-2.3	50.0
2-Chloroethyl vinyl ether	Lin1		0.0705		0.990	0.0120	-10.0	50.0
cis-1,3-Dichloropropene	Ave	0.3254	0.3310		0.140	0.0100	1.7	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1518	0.1402		0.320	0.0200	-7.6	50.0
Toluene	Ave	1.411	1.439		0.130	0.0100	2.0	20.0
trans-1,3-Dichloropropene	Ave	0.3981	0.4184		0.190	0.0100	5.1	50.0
Ethyl methacrylate	Ave	0.3155	0.3038		0.140	0.0100	-3.7	50.0
1,1,2-Trichloroethane	Ave	0.2484	0.2429		0.270	0.0100	-2.2	50.0
Tetrachloroethene	Ave	0.2881	0.3004		0.290	0.0100	4.3	50.0
1,3-Dichloropropane	Ave	0.4429	0.4263		0.160	0.0100	-3.7	50.0
2-Hexanone	Ave	0.1468	0.1314		0.410	0.0200	-10.5	50.0
Chlorodibromomethane	Ave	0.2842	0.2770		0.180	0.0100	-2.5	50.0
1,2-Dibromoethane	Ave	0.2453	0.2394		0.240	0.0100	-2.4	50.0
Chlorobenzene	Ave	0.9008	0.9001	0.3000	0.150	0.0100	-0.0	50.0
1,1,1,2-Tetrachloroethane	Ave	0.3295	0.3405		0.230	0.0100	3.3	50.0
Ethylbenzene	Ave	0.4958	0.5034		0.170	0.0100	1.5	20.0
m-Xylene & p-Xylene	Ave	0.6164	0.6254		0.240	0.0100	1.5	50.0
o-Xylene	Ave	0.6147	0.6369		0.140	0.0100	3.6	50.0
Styrene	Ave	0.9728	0.9506		0.110	0.0100	-2.3	50.0
Bromoform	Ave	0.1820	0.1722	0.1000	0.640	0.0100	-5.4	50.0
Isopropylbenzene	Ave	1.619	1.699		0.130	0.0100	5.0	50.0
1,1,1,2,2-Tetrachloroethane	Ave	0.5398	0.5036	0.3000	0.180	0.0100	-6.7	50.0
Bromobenzene	Ave	0.6698	0.6453		0.130	0.0100	-3.7	50.0
1,2,3-Trichloropropane	Ave	0.1809	0.1742		0.430	0.0100	-3.7	50.0
trans-1,4-Dichloro-2-butene	Ave	0.1580	0.1509		0.150	0.0100	-4.5	50.0
N-Propylbenzene	Ave	0.7406	0.7385		0.140	0.0100	-0.3	50.0
2-Chlorotoluene	Ave	0.6402	0.6318		0.110	0.0100	-1.3	50.0
1,3,5-Trimethylbenzene	Ave	2.209	2.209		0.0960	0.0100	-0.0	50.0
4-Chlorotoluene	Ave	0.6668	0.6464		0.180	0.0100	-3.1	50.0
tert-Butylbenzene	Ave	1.933	1.977		0.130	0.0100	2.2	50.0
1,2,4-Trimethylbenzene	Ave	2.321	2.299		0.120	0.0100	-0.9	50.0
sec-Butylbenzene	Ave	2.633	2.660		0.130	0.0100	1.0	50.0
1,3-Dichlorobenzene	Ave	1.314	1.290		0.140	0.0100	-1.8	50.0
4-Isopropyltoluene	Ave	2.330	2.354		0.0120	0.0100	1.0	50.0
1,4-Dichlorobenzene	Ave	1.360	1.338		0.130	0.0100	-1.7	50.0
n-Butylbenzene	Ave	1.920	1.909		0.120	0.0100	-0.6	50.0
1,2-Dichlorobenzene	Ave	1.266	1.255		0.130	0.0100	-0.9	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Lab Sample ID: ICV 240-122370/14 Calibration Date: 03/13/2014 13:50
 Instrument ID: A3UX10 Calib Start Date: 03/13/2014 09:02
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 03/13/2014 10:55
 Lab File ID: UXX8846.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	0.1109	0.1024		0.670	0.0100	-7.6	50.0
1,2,4-Trichlorobenzene	Ave	0.8194	0.8136		0.150	0.0100	-0.7	50.0
Hexachlorobutadiene	Ave	0.3126	0.3249		0.300	0.0100	3.9	50.0
Naphthalene	Ave	1.890	1.746		0.240	0.0100	-7.6	50.0
1,2,3-Trichlorobenzene	Ave	0.7202	0.7100		0.170	0.0100	-1.4	50.0
Dibromofluoromethane (Surr)	Ave	0.2069	0.1839		0.0109	0.0123	-11.1	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2454	0.2083		0.0104	0.0123	-15.1	50.0
Toluene-d8 (Surr)	Ave	1.190	1.067		0.0110	0.0123	-10.4	50.0
4-Bromofluorobenzene (Surr)	Ave	0.4523	0.4110		0.0112	0.0123	-9.1	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-36245-1
SDG No.: _____
Lab Sample ID: ICV 240-122370/15 Calibration Date: 03/13/2014 14:12
Instrument ID: A3UX10 Calib Start Date: 03/13/2014 09:02
GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 03/13/2014 10:55
Lab File ID: UXX8847.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibromofluoromethane (Surr)	Ave	0.2069	0.1857		0.0110	0.0123	-10.3	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2454	0.2139		0.0107	0.0123	-12.9	50.0
Toluene-d8 (Surr)	Ave	1.190	1.061		0.0110	0.0123	-10.8	50.0
4-Bromofluorobenzene (Surr)	Ave	0.4523	0.4133		0.0112	0.0123	-8.6	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Lab Sample ID: ICV 240-122370/15 Calibration Date: 03/13/2014 14:12
 Instrument ID: A3UX10 Calib Start Date: 03/13/2014 11:18
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 03/13/2014 13:09
 Lab File ID: UXX8847.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	0.0225	0.0176		3.50	0.100	-21.9	50.0
Diisopropyl ether	Ave	0.2178	0.2248		1.50	0.0100	3.2	50.0
2-Chloro-1,3-butadiene	Ave	0.3572	0.3635		0.290	0.0100	1.8	50.0
Ethyl-t-butyl ether (ETBE)	Ave	0.7038	0.6942		0.110	0.0100	-1.4	50.0
Ethyl acetate	Ave	0.1066	0.1399		0.500	0.0200	31.3	50.0
Propionitrile	Ave	0.0242	0.0231		1.20	0.100	-4.8	50.0
Methacrylonitrile	Ave	0.1093	0.1065		0.510	0.100	-2.6	50.0
Tert-amyl methyl ether	Ave	0.6281	0.6313		0.0670	0.0100	0.5	50.0
n-Butanol	Ave	0.0057	0.0048		7.30	0.250	-16.3	50.0
Ethyl acrylate	Ave	0.1629	0.1630		0.250	0.0100	0.0	50.0
Methyl methacrylate	Ave	0.1292	0.1265		0.490	0.0200	-2.1	50.0
2-Nitropropane	Ave	0.0400	0.0381		0.700	0.0200	-4.7	50.0
Cyclohexanone	Ave	0.0118	0.0096		5.80	0.100	-18.5	50.0
Pentachloroethane	Ave	0.2249	0.2385		0.0212	0.0200	6.0	50.0
1,2,3-Trimethylbenzene	Ave	2.250	2.276		0.0101	0.0100	1.2	50.0
Benzyl chloride	Ave	0.2092	0.2267		0.110	0.0100	8.4	50.0
1,3,5-Trichlorobenzene	Ave	0.8988	0.9015		0.110	0.0100	0.3	50.0
2-Methylnaphthalene	Ave	0.9347	0.5650		0.470	0.0200	-39.6	50.0

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-36245-1
SDG No.: _____
Lab File ID: BFB5624.D BFB Injection Date: 04/23/2014
Instrument ID: A3UX10 BFB Injection Time: 00:03
Analysis Batch No.: 127481

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	15.6
75	30.0 - 60.0 % of mass 95	51.0
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	78.1
175	5.0 - 9.0 % of mass 174	4.0 (5.1)1
176	95.0 - 101.0 % of mass 174	75.1 (96.1)1
177	5.0 - 9.0 % of mass 176	5.0 (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 240-127481/2	UXX9908.D	04/23/2014	00:25
	CCV 240-127481/3	UXX9909.D	04/23/2014	00:47
	LCS 240-127481/4	UXX9910.D	04/23/2014	01:10
	MB 240-127481/6	UXX9912.D	04/23/2014	01:54
TB-041614	240-36245-8	UXX9919.D	04/23/2014	04:31
	240-36223-A-1 MS	UXX9935.D	04/23/2014	11:11
	240-36223-C-1 MSD	UXX9936.D	04/23/2014	11:34

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-36245-1

SDG No.: _____

Lab Sample ID: CCVIS 240-127481/2 Calibration Date: 04/23/2014 00:25

Instrument ID: A3UX10 Calib Start Date: 03/13/2014 09:02

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 03/13/2014 10:55

Lab File ID: UXX9908.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	0.2420	0.2259		0.310	0.0100	-6.7	50.0
Chloromethane	Ave	0.2908	0.3299	0.1000	0.300	0.0100	13.4	50.0
Vinyl chloride	Ave	0.2848	0.3280		0.220	0.0100	15.2	20.0
Butadiene	Ave	0.2671	0.2777		0.0104	0.0100	3.9	50.0
Bromomethane	Linl		0.1481		0.410	0.0100	28.1	50.0
Chloroethane	Ave	0.1577	0.1656		0.290	0.0100	5.0	50.0
Dichlorofluoromethane	Ave	0.3248	0.3782		0.420	0.0100	16.4	50.0
Trichlorofluoromethane	Ave	0.2807	0.2251		0.210	0.0100	-19.8	50.0
Ethyl ether	Ave	0.1703	0.1867		0.310	0.0100	9.6	50.0
Acrolein	Ave	0.0258	0.0212		2.20	0.0500	-17.9	50.0
1,1-Dichloroethene	Ave	0.2175	0.2401		0.190	0.0100	10.4	20.0
1,1,2-Trichlorotrifluoroethane	Ave	0.1841	0.1901		0.280	0.0100	3.3	50.0
Acetone	Ave	0.0587	0.0569		1.10	0.0200	-3.1	50.0
Iodomethane	Ave	0.3583	0.2785		0.180	0.0100	-22.3	50.0
Carbon disulfide	Ave	0.7045	0.6395		0.130	0.0100	-9.2	50.0
3-Chloro-1-propene	Ave	0.1510	0.1330		0.350	0.0100	-11.9	50.0
Methyl acetate	Ave	0.1374	0.1352		0.380	0.0500	-1.6	50.0
Methylene Chloride	Linl		0.2467		0.330	0.0100	1.4	50.0
tert-Butyl alcohol	Linl		0.0140		3.90	0.100	-19.4	50.0
Acrylonitrile	Ave	0.0683	0.0674		2.00	0.100	-1.4	50.0
Methyl tert-butyl ether	Ave	0.6796	0.5921		0.170	0.0100	-12.9	50.0
trans-1,2-Dichloroethene	Ave	0.2478	0.2267		0.190	0.0100	-8.5	50.0
Hexane	Ave	0.0592	0.0506		0.260	0.0100	-14.5	20.0
1,1-Dichloroethane	Ave	0.4104	0.3988	0.1000	0.150	0.0100	-2.8	50.0
Vinyl acetate	Ave	0.2581	0.1803		0.190	0.00960	-30.2	50.0
2,2-Dichloropropane	Ave	0.3310	0.2232		0.130	0.0100	-32.6	50.0
cis-1,2-Dichloroethene	Ave	0.2631	0.2418		0.170	0.0100	-8.1	50.0
2-Butanone (MEK)	Ave	0.0729	0.0729		0.570	0.0200	-0.0	50.0
Bromochloromethane	Ave	0.1208	0.1097		0.290	0.0100	-9.2	50.0
Tetrahydrofuran	Ave	0.0549	0.0439		0.420	0.0200	-20.0	50.0
Chloroform	Ave	0.3979	0.4016		0.160	0.0100	0.9	20.0
1,1,1-Trichloroethane	Ave	0.3613	0.3113		0.220	0.0100	-13.8	50.0
Cyclohexane	Ave	0.3887	0.3316		0.120	0.0100	-14.7	50.0
1,1-Dichloropropene	Ave	0.3001	0.2733		0.130	0.0100	-9.0	50.0
Carbon tetrachloride	Ave	0.3117	0.2356		0.130	0.0100	-24.4	50.0
Isobutyl alcohol	Linl		0.0076		8.20	0.250	-5.0	50.0
Benzene	Ave	0.9438	0.9544		0.130	0.0100	1.1	50.0
1,2-Dichloroethane	Ave	0.2960	0.2910		0.220	0.0100	-1.7	50.0
n-Heptane	Ave	0.0517	0.0443		0.180	0.0100	-14.2	50.0
Trichloroethene	Ave	0.2479	0.2144		0.170	0.0100	-13.5	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton

Job No.: 240-36245-1

SDG No.: _____

Lab Sample ID: CCVIS 240-127481/2

Calibration Date: 04/23/2014 00:25

Instrument ID: A3UX10

Calib Start Date: 03/13/2014 09:02

GC Column: DB-624 ID: 0.18 (mm)

Calib End Date: 03/13/2014 10:55

Lab File ID: UXX9908.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	0.3823	0.3351		0.130	0.0100	-12.3	50.0
1,2-Dichloropropane	Ave	0.2081	0.2127		0.180	0.0100	2.2	20.0
Dibromomethane	Ave	0.1211	0.1189		0.280	0.0100	-1.8	50.0
1,4-Dioxane	Qua		0.0017		19.0	0.200	-10.8	50.0
Bromodichloromethane	Ave	0.2862	0.2624		0.150	0.0100	-8.3	50.0
2-Chloroethyl vinyl ether	Lin1		0.0667		0.990	0.0200	-17.6	50.0
cis-1,3-Dichloropropene	Ave	0.3254	0.2764		0.140	0.0100	-15.1	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1518	0.1386		0.320	0.0200	-8.7	50.0
Toluene	Ave	1.411	1.286		0.130	0.0100	-8.8	20.0
trans-1,3-Dichloropropene	Ave	0.3981	0.3136		0.190	0.0100	-21.2	50.0
Ethyl methacrylate	Ave	0.3155	0.2860		0.140	0.0100	-9.3	50.0
1,1,2-Trichloroethane	Ave	0.2484	0.2488		0.270	0.0100	0.2	50.0
Tetrachloroethene	Ave	0.2881	0.2430		0.290	0.0100	-15.7	50.0
1,3-Dichloropropane	Ave	0.4429	0.4524		0.160	0.0100	2.2	50.0
2-Hexanone	Ave	0.1468	0.1299		0.410	0.0200	-11.5	50.0
Chlorodibromomethane	Ave	0.2842	0.2461		0.180	0.0100	-13.4	50.0
1,2-Dibromoethane	Ave	0.2453	0.2350		0.240	0.0100	-4.2	50.0
Chlorobenzene	Ave	0.9008	0.8701	0.3000	0.150	0.0100	-3.4	50.0
1,1,1,2-Tetrachloroethane	Ave	0.3295	0.3088		0.230	0.0100	-6.3	50.0
Ethylbenzene	Ave	0.4958	0.4613		0.170	0.0100	-7.0	20.0
m-Xylene & p-Xylene	Ave	0.6164	0.5755		0.240	0.0100	-6.6	50.0
o-Xylene	Ave	0.6147	0.5914		0.140	0.0100	-3.8	50.0
Styrene	Ave	0.9728	0.9339		0.110	0.0100	-4.0	50.0
Bromoform	Ave	0.1820	0.1272	0.1000	0.640	0.0100	-30.1	50.0
Isopropylbenzene	Ave	1.619	1.506		0.130	0.0100	-7.0	50.0
1,1,2,2-Tetrachloroethane	Ave	0.5398	0.6949	0.3000	0.180	0.0100	28.7	50.0
Bromobenzene	Ave	0.6698	0.6991		0.130	0.0100	4.4	50.0
1,2,3-Trichloropropane	Ave	0.1809	0.2200		0.430	0.0100	21.6	50.0
trans-1,4-Dichloro-2-butene	Ave	0.1580	0.1012		0.150	0.0100	-36.0	50.0
N-Propylbenzene	Ave	0.7406	0.7770		0.140	0.0100	4.9	50.0
2-Chlorotoluene	Ave	0.6402	0.6956		0.110	0.0100	8.6	50.0
1,3,5-Trimethylbenzene	Ave	2.209	2.471		0.0960	0.0100	11.8	50.0
4-Chlorotoluene	Ave	0.6668	0.6981		0.180	0.0100	4.7	50.0
tert-Butylbenzene	Ave	1.933	1.960		0.130	0.0100	1.4	50.0
1,2,4-Trimethylbenzene	Ave	2.321	2.394		0.120	0.0100	3.2	50.0
sec-Butylbenzene	Ave	2.633	2.601		0.130	0.0100	-1.2	50.0
1,3-Dichlorobenzene	Ave	1.314	1.225		0.140	0.0100	-6.8	50.0
4-Isopropyltoluene	Ave	2.330	2.287		0.0120	0.0100	-1.9	50.0
1,4-Dichlorobenzene	Ave	1.360	1.246		0.130	0.0100	-8.4	50.0
n-Butylbenzene	Ave	1.920	1.863		0.120	0.0100	-3.0	50.0
1,2-Dichlorobenzene	Ave	1.266	1.249		0.130	0.0100	-1.3	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Lab Sample ID: CCVIS 240-127481/2 Calibration Date: 04/23/2014 00:25
 Instrument ID: A3UX10 Calib Start Date: 03/13/2014 09:02
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 03/13/2014 10:55
 Lab File ID: UXX9908.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	0.1109	0.1017		0.670	0.0100	-8.3	50.0
1,2,4-Trichlorobenzene	Ave	0.8194	0.7845		0.150	0.0100	-4.3	50.0
Hexachlorobutadiene	Ave	0.3126	0.2999		0.300	0.0100	-4.1	50.0
Naphthalene	Ave	1.890	1.795		0.240	0.0100	-5.0	50.0
1,2,3-Trichlorobenzene	Ave	0.7202	0.7260		0.170	0.0100	0.8	50.0
Dibromofluoromethane (Surr)	Ave	0.2069	0.1781		0.0106	0.0123	-13.9	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2454	0.2314		0.0116	0.0123	-5.7	50.0
Toluene-d8 (Surr)	Ave	1.190	1.055		0.0109	0.0123	-11.4	50.0
4-Bromofluorobenzene (Surr)	Ave	0.4523	0.4150		0.0113	0.0123	-8.2	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Lab Sample ID: CCV 240-127481/3 Calibration Date: 04/23/2014 00:47
 Instrument ID: A3UX10 Calib Start Date: 03/13/2014 11:18
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 03/13/2014 13:09
 Lab File ID: UXX9909.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	0.0225	0.0271		3.50	0.100	20.4	50.0
Diisopropyl ether	Ave	0.2178	0.2027		1.50	0.0100	-6.9	50.0
2-Chloro-1,3-butadiene	Ave	0.3572	0.3110		0.290	0.0100	-12.9	50.0
Ethyl-t-butyl ether (ETBE)	Ave	0.7038	0.5923		0.110	0.0100	-15.8	50.0
Ethyl acetate	Ave	0.1066	0.1010		0.500	0.0200	-5.2	50.0
Propionitrile	Ave	0.0242	0.0259		1.20	0.100	6.9	50.0
Methacrylonitrile	Ave	0.1093	0.1096		0.510	0.100	0.3	50.0
Tert-amyl methyl ether	Ave	0.6281	0.5274		0.0670	0.0100	-16.0	50.0
n-Butanol	Ave	0.0057	0.0053		7.30	0.250	-7.4	50.0
Ethyl acrylate	Ave	0.1629	0.1541		0.250	0.0100	-5.4	50.0
Methyl methacrylate	Ave	0.1292	0.1222		0.490	0.0200	-5.4	50.0
2-Nitropropane	Ave	0.0400	0.0180		0.700	0.0200	-55.1*	50.0
Cyclohexanone	Ave	0.0118	0.0109		5.80	0.100	-7.2	50.0
Pentachloroethane	Ave	0.2249	0.1481		0.0132	0.0200	-34.2	50.0
1,2,3-Trimethylbenzene	Ave	2.250	2.452		0.0109	0.0100	9.0	50.0
Benzyl chloride	Ave	0.2092	0.1336		0.110	0.0100	-36.1	50.0
1,3,5-Trichlorobenzene	Ave	0.8988	0.9434		0.110	0.0100	5.0	50.0
2-Methylnaphthalene	Ave	0.9347	0.6263		0.470	0.0200	-33.0	50.0

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-36245-1
SDG No.: _____
Lab File ID: UXX9912.D Lab Sample ID: MB 240-127481/6
Matrix: Water Heated Purge:(Y/N) N
Instrument ID: A3UX10 Date Analyzed: 04/23/2014 01:54
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 240-127481/4	UXX9910.D	04/23/2014 01:10
TB-041614	240-36245-8	UXX9919.D	04/23/2014 04:31
	240-36223-A-1 MS	UXX9935.D	04/23/2014 11:11
	240-36223-C-1 MSD	UXX9936.D	04/23/2014 11:34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36245-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 240-127481/6

Matrix: Water Lab File ID: UXX9912.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 04/23/2014 01:54

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 127481 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.23	U	1.0	0.23
71-55-6	1,1,1-Trichloroethane	0.22	U	1.0	0.22
79-34-5	1,1,2,2-Tetrachloroethane	0.18	U	1.0	0.18
76-13-1	1,1,2-Trichlorotrifluoroethane	0.28	U	1.0	0.28
75-34-3	1,1-Dichloroethane	0.15	U	1.0	0.15
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.13	U	1.0	0.13
87-61-6	1,2,3-Trichlorobenzene	0.17	U	1.0	0.17
96-18-4	1,2,3-Trichloropropane	0.43	U	1.0	0.43
526-73-8	1,2,3-Trimethylbenzene	0.0059	U	5.0	0.0059
120-82-1	1,2,4-Trichlorobenzene	0.15	U	1.0	0.15
95-63-6	1,2,4-Trimethylbenzene	0.12	U	1.0	0.12
96-12-8	1,2-Dibromo-3-Chloropropane	0.67	U	2.0	0.67
95-50-1	1,2-Dichlorobenzene	0.13	U	1.0	0.13
107-06-2	1,2-Dichloroethane	0.22	U	1.0	0.22
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	0.14	U	1.0	0.14
142-28-9	1,3-Dichloropropane	0.16	U	1.0	0.16
106-46-7	1,4-Dichlorobenzene	0.13	U	1.0	0.13
594-20-7	2,2-Dichloropropane	0.13	U	1.0	0.13
110-75-8	2-Chloroethyl vinyl ether	0.99	U	10	0.99
95-49-8	2-Chlorotoluene	0.11	U	1.0	0.11
591-78-6	2-Hexanone	0.41	U	10	0.41
108-86-1	Bromobenzene	0.13	U	1.0	0.13
74-97-5	Bromochloromethane	0.29	U	1.0	0.29
106-43-4	4-Chlorotoluene	0.18	U	1.0	0.18
99-87-6	4-Isopropyltoluene	0.12	U	1.0	0.12
67-64-1	Acetone	1.1	U	10	1.1
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.64	U	1.0	0.64
74-83-9	Bromomethane	0.41	U	1.0	0.41
75-15-0	Carbon disulfide	0.13	U	1.0	0.13
56-23-5	Carbon tetrachloride	0.13	U	1.0	0.13
108-90-7	Chlorobenzene	0.15	U	1.0	0.15
75-00-3	Chloroethane	0.29	U	1.0	0.29
67-66-3	Chloroform	0.16	U	1.0	0.16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36245-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 240-127481/6

Matrix: Water Lab File ID: UXX9912.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 04/23/2014 01:54

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 127481 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.30	U	1.0	0.30
156-59-2	cis-1,2-Dichloroethene	0.17	U	1.0	0.17
10061-01-5	cis-1,3-Dichloropropene	0.14	U	1.0	0.14
87-68-3	Hexachlorobutadiene	0.30	U	1.0	0.30
74-95-3	Dibromomethane	0.28	U	1.0	0.28
75-27-4	Bromodichloromethane	0.15	U	1.0	0.15
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.17	U	1.0	0.17
106-93-4	1,2-Dibromoethane	0.24	U	1.0	0.24
108-20-3	Diisopropyl ether	1.5	U	10	1.5
91-20-3	Naphthalene	0.24	U	1.0	0.24
179601-23-1	m-Xylene & p-Xylene	0.24	U	2.0	0.24
104-51-8	n-Butylbenzene	0.12	U	1.0	0.12
98-82-8	Isopropylbenzene	0.13	U	1.0	0.13
103-65-1	N-Propylbenzene	0.14	U	1.0	0.14
78-93-3	2-Butanone (MEK)	0.57	U	10	0.57
108-10-1	4-Methyl-2-pentanone (MIBK)	0.32	U	10	0.32
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.17	U	1.0	0.17
994-05-8	Tert-amyl methyl ether	0.067	U	5.0	0.067
75-09-2	Methylene Chloride	0.33	U	1.0	0.33
95-47-6	o-Xylene	0.14	U	1.0	0.14
100-42-5	Styrene	0.11	U	1.0	0.11
637-92-3	Ethyl-t-butyl ether (ETBE)	0.11	U	5.0	0.11
98-06-6	tert-Butylbenzene	0.13	U	1.0	0.13
127-18-4	Tetrachloroethene	0.29	U	1.0	0.29
108-88-3	Toluene	0.13	U	1.0	0.13
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	0.17	U	1.0	0.17
75-69-4	Trichlorofluoromethane	0.21	U	1.0	0.21
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.22	U	1.0	0.22
75-65-0	tert-Butyl alcohol	3.9	U	50	3.9
1330-20-7	Xylenes, Total	0.14	U	2.0	0.14
124-48-1	Chlorodibromomethane	0.18	U	1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36245-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 240-127481/6
Matrix: Water Lab File ID: UXX9912.D
Analysis Method: 8260B Date Collected: _____
Sample wt/vol: 5 (mL) Date Analyzed: 04/23/2014 01:54
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 127481 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		63-129
460-00-4	4-Bromofluorobenzene (Surr)	86		66-120
2037-26-5	Toluene-d8 (Surr)	93		74-120
1868-53-7	Dibromofluoromethane (Surr)	90		75-121

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

Lab Name: TestAmerica Canton Job No.: 240-36245-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 240-127481/6
Matrix: Water Lab File ID: UXX9912.D
Analysis Method: 8260B Date Collected: _____
Sample wt/vol: 5 (mL) Date Analyzed: 04/23/2014 01:54
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 127481 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

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

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton

Job No.: 240-36245-1

SDG No.: _____

Matrix: Water

Level: Low

Lab File ID: UXX9910.D

Lab ID: LCS 240-127481/4

Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	10.0	9.15	91	72-120	
1,1,1-Trichloroethane	10.0	8.63	86	74-120	
1,1,2,2-Tetrachloroethane	10.0	12.9	129	68-120	*
1,1,2-Trichlorotrifluoroethane	10.0	10.0	100	74-151	
1,1-Dichloroethane	10.0	10.2	102	80-120	
1,1-Dichloroethene	10.0	10.9	109	78-131	
1,1-Dichloropropene	10.0	9.89	99	80-120	
1,2,3-Trichlorobenzene	10.0	10.0	100	54-126	
1,2,3-Trichloropropane	10.0	12.3	123	73-129	
1,2,4-Trichlorobenzene	10.0	9.15	91	48-135	
1,2,4-Trimethylbenzene	10.0	10.6	106	76-120	
1,2-Dibromo-3-Chloropropane	10.0	9.23	92	42-136	
1,2-Dichlorobenzene	10.0	9.66	97	80-120	
1,2-Dichloroethane	10.0	10.0	100	71-127	
1,2-Dichloropropane	10.0	10.5	105	80-120	
1,3-Dichlorobenzene	10.0	9.13	91	80-120	
1,3-Dichloropropane	10.0	10.7	107	79-120	
1,4-Dichlorobenzene	10.0	9.13	91	80-120	
2,2-Dichloropropane	10.0	6.49	65	50-129	
2-Chloroethyl vinyl ether	12.0	11.7	97	52-131	
2-Chlorotoluene	10.0	10.8	108	76-120	
2-Hexanone	20.0	18.6	93	55-133	
Bromobenzene	10.0	10.2	102	76-120	
Bromochloromethane	10.0	9.37	94	77-120	
4-Chlorotoluene	10.0	10.6	106	77-120	
4-Isopropyltoluene	10.0	9.65	96	74-120	
Acetone	20.0	21.9	110	43-136	
Benzene	10.0	10.2	102	80-120	
Bromoform	10.0	6.76	68	40-131	
Bromomethane	10.0	12.1	121	11-185	
Carbon disulfide	10.0	9.46	95	62-142	
Carbon tetrachloride	10.0	7.80	78	66-128	
Chlorobenzene	10.0	9.45	94	80-120	
Chloroethane	10.0	9.78	98	25-153	
Chloroform	10.0	10.2	102	79-120	
Chloromethane	10.0	9.84	98	44-126	
cis-1,2-Dichloroethene	10.0	9.38	94	80-120	
cis-1,3-Dichloropropene	10.0	10.1	101	61-120	
Hexachlorobutadiene	10.0	9.08	91	36-134	
Dibromomethane	10.0	10.2	102	80-120	
Bromodichloromethane	10.0	9.60	96	72-121	
Dichlorodifluoromethane	10.0	7.41	74	19-129	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: UXX9910.D
 Lab ID: LCS 240-127481/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Ethylbenzene	10.0	9.17	92	80-120	
1,2-Dibromoethane	10.0	9.80	98	79-120	
Naphthalene	10.0	9.53	95	32-141	
m-Xylene & p-Xylene	10.0	9.25	93	80-120	
n-Butylbenzene	10.0	9.55	96	66-125	
Isopropylbenzene	10.0	9.11	91	75-120	
N-Propylbenzene	10.0	10.4	104	74-121	
2-Butanone (MEK)	20.0	21.4	107	60-126	
4-Methyl-2-pentanone (MIBK)	20.0	21.0	105	63-128	
sec-Butylbenzene	10.0	9.81	98	70-120	
Methyl tert-butyl ether	10.0	9.06	91	52-144	
Methylene Chloride	10.0	10.3	103	66-131	
o-Xylene	10.0	9.46	95	80-120	
Styrene	10.0	9.06	91	79-120	
tert-Butylbenzene	10.0	10.7	107	71-120	
Tetrachloroethene	10.0	9.00	90	79-120	
Toluene	10.0	10.5	105	80-120	
trans-1,2-Dichloroethene	10.0	9.48	95	80-120	
trans-1,3-Dichloropropene	10.0	9.45	94	58-120	
Trichloroethene	10.0	8.76	88	76-120	
Trichlorofluoromethane	10.0	7.39	74	49-157	
Vinyl acetate	8.00	9.05	113	46-161	
Vinyl chloride	10.0	11.0	110	53-127	
tert-Butyl alcohol	100	85.8	86	70-130	
Xylenes, Total	20.0	18.7	94	80-120	
Chlorodibromomethane	10.0	8.50	85	64-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: UXX9935.D
 Lab ID: 240-36223-A-1 MS Client ID: not on SDG

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,2,4-Trimethylbenzene	10.0	0.12 U	9.29	93	67-124	
Benzene	10.0	0.13 U	8.82	88	72-121	
Chlorobenzene	10.0	0.15 U	8.30	83	80-120	
m-Xylene & p-Xylene	10.0	0.24 U	8.46	85	75-120	
Methylene Chloride	10.0	0.33 U	8.48	85	63-128	
o-Xylene	10.0	0.14 U	7.77	78	76-120	
Toluene	10.0	0.13 U	8.20	82	78-120	
Xylenes, Total	20.0	0.14 U	16.2	81	76-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: UXX9936.D
 Lab ID: 240-36223-C-1 MSD Client ID: not in SDU

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,2,4-Trimethylbenzene	10.0	10.9	109	16	30	67-124	
Benzene	10.0	11.0	110	22	30	72-121	
Chlorobenzene	10.0	10.4	104	22	30	80-120	
m-Xylene & p-Xylene	10.0	10.5	105	22	30	75-120	
Methylene Chloride	10.0	11.1	111	26	30	63-128	
o-Xylene	10.0	10.6	106	31	30	76-120	F2
Toluene	10.0	10.9	109	28	30	78-120	
Xylenes, Total	20.0	21.1	106	26	30	76-120	

Column to be used to flag recovery and RPD values

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton

Job No.: 240-36245-1

SDG No.: _____

Lab File ID: BFB14684.D

BFB Injection Date: 04/14/2014

Instrument ID: A3UX14

BFB Injection Time: 09:50

Analysis Batch No.: 126349

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	20.2
75	30.0 - 60.0 % of mass 95	47.8
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	75.8
175	5.0 - 9.0 % of mass 174	5.5 (7.3)1
176	95.0 - 101.0 % of mass 174	73.2 (96.5)1
177	5.0 - 9.0 % of mass 176	4.8 (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
	IC 240-126349/3	147654.D	04/14/2014	10:32
	IC 240-126349/4	147655.D	04/14/2014	10:54
	IC 240-126349/5	147656.D	04/14/2014	11:15
	ICIS 240-126349/6	147657.D	04/14/2014	11:38
	IC 240-126349/7	147658.D	04/14/2014	11:59
	IC 240-126349/8	147659.D	04/14/2014	12:21
	IC 240-126349/9	147660.D	04/14/2014	12:42
	IC 240-126349/10	147661.D	04/14/2014	13:04
	IC 240-126349/11	147662.D	04/14/2014	13:25
	IC 240-126349/12	147663.D	04/14/2014	13:47
	IC 240-126349/13	147664.D	04/14/2014	14:08
	IC 240-126349/14	147665.D	04/14/2014	14:30
	IC 240-126349/15	147666.D	04/14/2014	14:51
	IC 240-126349/16	147667.D	04/14/2014	15:12
	IC 240-126349/17	147668.D	04/14/2014	15:34
	IC 240-126349/18	147669.D	04/14/2014	15:55
	IC 240-126349/19	147670.D	04/14/2014	16:17
	IC 240-126349/20	147671.D	04/14/2014	16:38
	ICV 240-126349/21	147672.D	04/14/2014	17:00

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-36245-1 Analy Batch No.: 126349

SDG No.: _____

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/14/2014 10:32 Calibration End Date: 04/14/2014 13:25 Calibration ID: 21696

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 240-126349/11	147662.D
Level 2	IC 240-126349/10	147661.D
Level 3	IC 240-126349/9	147660.D
Level 4	IC 240-126349/8	147659.D
Level 5	IC 240-126349/7	147658.D
Level 6	ICIS 240-126349/6	147657.D
Level 7	IC 240-126349/5	147656.D
Level 8	IC 240-126349/4	147655.D
Level 9	IC 240-126349/3	147654.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 9	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.3148 0.3491	0.3521 0.3617	0.3549 0.3594	0.3882 0.3463	0.3622	Ave		0.3543			5.4		15.0				
Chloromethane	0.4451 0.4048	0.4432 0.4184	0.4138 0.4093	0.4539 0.3853	0.4237	Ave		0.4219		0.1000	5.2		15.0				
Vinyl chloride	0.3795 0.3898	0.3881 0.4082	0.3748 0.4089	0.4279 0.3806	0.4022	Ave		0.3956			4.4		15.0				
Butadiene	0.3566 0.3754	0.3670 0.3955	0.3778 0.3928	0.4073 0.3729	0.3914	Ave		0.3819			4.2		15.0				
Bromomethane	0.1108 0.0804	0.1094 0.0827	0.0926 0.0763	0.0999 0.0772	0.0836	Ave		0.0903			15.0		15.0				
Chloroethane	0.1530 0.0884	0.1553 0.1502	0.0985 0.1596	0.1722 0.1481	0.1568	Qua	-0.283	0.1466	0				0.9930				0.9900
Dichlorofluoromethane	0.4889 0.4105	0.4830 0.4593	0.4208 0.4506	0.4975 0.4468	0.4523	Ave		0.4566			6.5		15.0				
Trichlorofluoromethane	++++ 0.2891	++++ 0.3378	0.2332 0.3367	0.3004 0.3378	0.2673	Ave		0.3003			13.0		15.0				
Ethyl ether	0.2839 0.2257	0.2414 0.2089	0.2248 0.2013	0.2140 0.1951	0.2082	Ave		0.2226			12.0		15.0				
Acrolein	0.0160 0.0199	0.0178 0.0168	0.0168 0.0161	0.0164 0.0156	0.0158	Ave		0.0168			8.0		15.0				
1,1-Dichloroethane	0.1871 0.2436	0.2074 0.2552	0.2298 0.2595	0.2484 0.2402	0.2510	Ave		0.2358			10.0		15.0				
1,1,2-Trichloro-1,2,2-trifluoroethane	++++ 0.2144	0.1788 0.2223	0.2109 0.2219	0.2246 0.2099	0.2249	Ave		0.2135			7.1		15.0				
Acetone	0.3771 0.0742	0.1716 0.0539	0.1219 0.0506	0.0861 0.0482	0.0672	Qua	0.6459	0.0586	0				0.9970				0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI

GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton

Job No.: 240-36245-1

Analy Batch No.: 126349

SDG No.:

Instrument ID: A3UX14

GC Column: DB-624 ID: 0.18 (mm)

Heated Purge: (Y/N) Y

Calibration Start Date: 04/14/2014 10:32

Calibration End Date: 04/14/2014 13:25

Calibration ID: 21696

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 9	LVL 5			B	M1	M2								
Iodomethane	0.3357 0.3654	0.3531 0.3903	0.3432 0.3827	0.3761 0.3600	0.3969 Ave				0.3670				5.7		15.0			
Carbon disulfide	0.3149 0.5833	0.3741 0.7010	0.4011 0.7551	0.4888 0.6972	0.5630 Lin1			-0.784	0.7067							0.9940		0.9900
3-Chloro-1-propene	++++ 0.1472	++++ 0.1619	0.1033 0.1661	0.1235 0.1536	0.1391 Lin1			-0.335	0.1607							0.9980		0.9900
Methyl acetate	0.1725 0.1835	0.1637 0.1483	0.1804 0.1391	0.1464 0.1365	0.1431 Ave				0.1571				12.0		15.0			
Methylene Chloride	0.5562 0.2786	0.4202 0.2781	0.3314 0.2676	0.3047 0.2533	0.2920 Lin1			0.3272	0.2627							0.9990		0.9900
tert-Butyl alcohol	++++ 0.0222	0.0198 0.0160	0.0223 0.0145	0.0159 0.0145	0.0150 Qua			0.2479	0.0178	0						0.9940		0.9900
Acrylonitrile	0.0801 0.0923	0.0790 0.0752	0.0883 0.0710	0.0757 0.0689	0.0736 Ave				0.0782				9.9		15.0			
trans-1,2-Dichloroethene	0.2385 0.2897	0.2659 0.3035	0.2698 0.2964	0.2995 0.2772	0.2960 Ave				0.2818				7.5		15.0			
Methyl tert-butyl ether	0.5959 0.7027	0.6295 0.6487	0.6372 0.6326	0.6091 0.6027	0.6101 Ave				0.6298				5.2		15.0			
Hexane	++++ 0.0763	++++ 0.0786	0.1080 0.0768	0.0968 0.0756	0.0807 Ave				0.0847				15.0		15.0			
1,1-Dichloroethane	0.4941 0.5371	0.4857 0.5675	0.4897 0.5604	0.5340 0.5375	0.5467 Ave				0.5281			0.1000	5.8		15.0			
Vinyl acetate	++++ 0.0241	++++ 0.0230	0.0186 0.0230	0.0155 0.0237	0.0164 Lin1			-0.052	0.0236							0.9970		0.9900
2,2-Dichloropropane	++++ 0.2434	++++ 0.2640	0.1833 0.2627	0.2277 0.2533	0.2310 Ave				0.2379				12.0		15.0			
cis-1,2-Dichloroethene	0.2809 0.3009	0.2833 0.3147	0.2739 0.3055	0.3105 0.2895	0.3062 Ave				0.2962				4.9		15.0			
2-Butanone (MEK)	++++ 0.1014	0.0830 0.0766	0.0935 0.0741	0.0752 0.0753	0.0709 Ave				0.0813				13.0		15.0			
Bromochloromethane	0.1082 0.1300	0.1142 0.1269	0.1123 0.1261	0.1218 0.1199	0.1239 Ave				0.1204				6.1		15.0			
Tetrahydrofuran	0.1270 0.0711	0.0826 0.0529	0.0804 0.0508	0.0585 0.0509	0.0499 Qua			0.2029	0.0570	0						0.9960		0.9900
Chloroform	0.3810 0.4704	0.4104 0.4833	0.4136 0.4860	0.4600 0.4637	0.4649 Ave				0.4481				8.3		15.0			
1,1,1-Trichloroethane	++++ 0.3777	++++ 0.4109	0.2857 0.4053	0.3425 0.3930	0.3617 Ave				0.3681				12.0		15.0			
Cyclohexane	++++ 0.6284	0.4936 0.6562	0.5833 0.6532	0.6561 0.6290	0.6445 Ave				0.6180				9.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI

GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton

Job No.: 240-36245-1

Analy Batch No.: 126349

SDG No.:

Instrument ID: A3UX14

GC Column: DB-624

ID: 0.18 (mm)

Heated Purge: (Y/N) Y

Calibration Start Date: 04/14/2014 10:32

Calibration End Date: 04/14/2014 13:25

Calibration ID: 21696

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 9	LVL 5			B	M1	M2								
Carbon tetrachloride	++++ 0.3139	++++ 0.3465	0.2317 0.3428	0.2686 0.3332	0.2933 0.3752	Ave			0.3043				14.0		15.0			
1,1-Dichloropropene	++++ 0.3681	++++ 0.3873	0.3492 0.3855	0.3529 0.3755		Ave			0.3705				4.0		15.0			
Isobutyl alcohol	0.0052 0.0074	0.0061 0.0055	0.0064 0.0049	0.0045	0.0047	Qua		-0.149	0.0068	0						0.9930		0.9900
Benzene	1.0739 1.1028	1.0941 1.1461	1.0821 1.1250	1.1050 1.0531	1.1199	Ave			1.1002				2.6		15.0			
1,2-Dichloroethane	0.3432 0.3590	0.3522 0.3434	0.3638 0.3392	0.3394 0.3338	0.3377	Ave			0.3457				3.0		15.0			
n-Heptane	++++ 0.0751	0.0610 0.0819	0.0795 0.0810	0.0789 0.0810	0.0774	Ave			0.0770				8.9		15.0			
Trichloroethene	0.2287 0.2829	0.2669 0.2963	0.2685 0.2987	0.2803 0.2919	0.2793	Ave			0.2771				7.7		15.0			
Methylcyclohexane	++++ 0.5672	0.4396 0.6002	0.5297 0.5944	0.5728 0.5684	0.5824	Ave			0.5568				9.3		15.0			
1,2-Dichloropropane	0.2238 0.2734	0.2504 0.2801	0.2603 0.2826	0.2573 0.2788	0.2649	Ave			0.2635				7.1		15.0			
Dibromomethane	0.1005 0.1313	0.1066 0.1235	0.1160 0.1219	0.1090 0.1209	0.1166	Ave			0.1163				8.2		15.0			
1,4-Dioxane	0.0020 0.0023	0.0019 0.0018	0.0022 0.0017	0.0017 0.0017	0.0017	Ave			0.0019				13.0		15.0			
Bromodichloromethane	0.1684 0.2680	0.1750 0.2926	0.1856 0.3086	0.1951 0.3124	0.2243	Linl		-0.315	0.3028							0.9950		0.9900
2-Chloroethyl vinyl ether	0.0754 0.1211	0.0803 0.1118	0.1002 0.1137	0.0851 0.1204	0.0905	Linl		-0.157	0.1163							0.9970		0.9900
cis-1,3-Dichloropropene	0.1708 0.3172	0.1809 0.3401	0.2116 0.3615	0.2212 0.3691	0.2597	Linl		-0.409	0.3560							0.9950		0.9900
4-Methyl-2-pentanone (MIBK)	0.2129 0.3317	0.2309 0.2619	0.2624 0.2500	0.2180 0.2546	0.2334	Ave			0.2506				14.0		15.0			
Toluene	1.6508 1.7449	1.6427 1.8112	1.6801 1.7163	1.7379 1.5527	1.7745	Ave			1.7012				4.6		15.0			
trans-1,3-Dichloropropene	0.1899 0.3823	0.1965 0.3884	0.2456 0.4068	0.2478 0.4182	0.2910	Linl		-0.463	0.4046							0.9950		0.9900
Ethyl methacrylate	0.1860 0.3575	0.1942 0.3201	0.2616 0.3193	0.2266 0.3332	0.2570	Linl		-0.258	0.3270							0.9970		0.9900
1,1,2-Trichloroethane	0.2214 0.2770	0.2429 0.2534	0.2593 0.2525	0.2360 0.2516	0.2493	Ave			0.2493				6.2		15.0			
Tetrachloroethene	0.2769 0.3359	0.3046 0.3490	0.3383 0.3479	0.3367 0.3410	0.3514	Ave			0.3313				7.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI

GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton

Job No.: 240-36245-1

Analy Batch No.: 126349

SDG No.:

Instrument ID: A3UX14

GC Column: DB-624 ID: 0.18 (mm)

Heated Purge: (Y/N) Y

Calibration Start Date: 04/14/2014 10:32

Calibration End Date: 04/14/2014 13:25

Calibration ID: 21696

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 9		B	M1	M2								
1,3-Dichloropropane	0.4292 0.4956	0.4315 0.4649	0.4739 0.4576	0.4381 0.4606	0.4415 Ave		0.4548				4.8		15.0			
2-Hexanone	0.1233 0.1858	0.1320 0.1467	0.1681 0.1431	0.1203 0.1520	0.1291 Ave		0.1445				15.0		15.0			
Dibromochloromethane	+++++	+++++	0.1613 0.2585	0.1671 0.2906	0.1977 Lin1	-1.064	0.2942							0.9970		0.9900
1,2-Dibromoethane	0.1735 0.2600	0.1785 0.2420	0.2130 0.2365	0.2003 0.2358	0.2179 Ave		0.2175				13.0		15.0			
Chlorobenzene	1.0262 1.0611	1.0663 1.1011	1.0888 1.1006	1.0664 1.0703	1.0688 Ave		1.0722		0.3000		2.1		15.0			
1,1,1,2-Tetrachloroethane	+++++	+++++	0.2507 0.3545	0.2950 0.3687	0.3317 Ave		0.3367				14.0		15.0			
Ethylbenzene	0.4948 0.5883	0.5594 0.6128	0.5605 0.6169	0.5716 0.6067	0.5982 Ave		0.5788				6.6		15.0			
m-Xylene & p-Xylene	0.6023 0.7222	0.6669 0.7540	0.6878 0.7589	0.7064 0.7417	0.7384 Ave		0.7087				7.1		15.0			
o-Xylene	0.6050 0.7320	0.6673 0.7530	0.6972 0.7382	0.7308 0.7043	0.7528 Ave		0.7090				6.8		15.0			
Styrene	0.8747 1.0775	0.8800 1.1214	0.9513 1.1361	0.9582 1.0912	1.0444 Ave		1.0150				10.0		15.0			
Bromoform	+++++	+++++	0.0838 0.1280	0.0798 0.1499	0.0925 Qua	-0.500	0.1309	0.0001		0.1000				1.0000		0.9900
Isopropylbenzene	1.4924 2.0204	1.7524 2.1324	1.8486 1.8982	2.0290 1.6669	2.1183 Ave		1.8843				11.0		15.0			
1,1,2,2-Tetrachloroethane	0.4187 0.6753	0.4800 0.6027	0.5373 0.5879	0.4988 0.5932	0.5452 Ave		0.5488		0.3000		14.0		15.0			
Bromobenzene	0.6550 0.7927	0.7218 0.8079	0.7465 0.8193	0.7280 0.8165	0.7703 Ave		0.7620				7.2		15.0			
1,2,3-Trichloropropane	0.1779 0.2045	0.1714 0.1736	0.1880 0.1683	0.1653 0.1694	0.1602 Ave		0.1754				7.7		15.0			
trans-1,4-Dichloro-2-butene	0.1482 0.1781	0.1322 0.1622	0.1569 0.1664	0.1343 0.1745	0.1380 Ave		0.1545				11.0		15.0			
n-Propylbenzene	0.7586 1.0007	0.9070 1.0690	0.9065 1.0965	0.9453 1.0857	1.0269 Ave		0.9774				11.0		15.0			
2-Chlorotoluene	0.7569 0.8519	0.7381 0.8872	0.7827 0.8953	0.8365 0.8889	0.8693 Ave		0.8341				7.2		15.0			
1,3,5-Trimethylbenzene	+++++	+++++	2.7349 3.2333	2.9995 3.2024	3.2257 Ave		3.1010				7.6		15.0			
4-Chlorotoluene	0.7514 0.8295	0.7430 0.8630	0.8354 0.8816	0.8158 0.8779	0.8386 Ave		0.8262				6.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI

GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton

Job No.: 240-36245-1

Analy Batch No.: 126349

SDG No.:

Instrument ID: A3UX14

GC Column: DB-624 ID: 0.18 (mm)

Heated Purge: (Y/N) Y

Calibration Start Date: 04/14/2014 10:32

Calibration End Date: 04/14/2014 13:25

Calibration ID: 21696

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 9	LVL 5			B	M1	M2								
tert-Butylbenzene	2.0841 2.9572	2.3172 3.3195	2.5574 3.2397	2.7726 2.9630	2.9447 3.2597	Ave			2.7950				15.0		15.0			
1,2,4-Trimethylbenzene	2.3030 3.2379	2.7093 3.4461	2.8474 3.2905	3.0546 2.9545	3.2597 2.9545	Ave			3.0114				12.0		15.0			
sec-Butylbenzene	++++ 4.2282	++++ 4.4743	3.6848 3.9394	4.0087 3.4919	4.1947 3.4919	Ave			4.0032				8.4		15.0			
1,3-Dichlorobenzene	1.4852 1.6396	1.6422 1.6887	1.6232 1.6887	1.6295 1.6611	1.6871 1.6611	Ave			1.6399				3.9		15.0			
p-Isopropyltoluene	++++ 3.6595	++++ 3.9042	3.0919 3.5418	3.4741 3.1915	3.6994 3.1915	Ave			3.5089				8.2		15.0			
1,4-Dichlorobenzene	1.7258 1.6434	1.7726 1.6820	1.6872 1.6822	1.6211 1.6349	1.6518 1.6349	Ave			1.6779				2.9		15.0			
n-Butylbenzene	2.2093 3.2976	2.6646 3.5436	2.9243 3.2391	3.1368 2.8973	3.3417 2.8973	Ave			3.0282				13.0		15.0			
1,2-Dichlorobenzene	1.6133 1.5774	1.6086 1.5781	1.5716 1.5438	1.5663 1.4956	1.6053 1.4956	Ave			1.5733				2.3		15.0			
1,2-Dibromo-3-Chloropropane	++++ 0.1042	0.0665 0.0945	0.0631 0.0992	0.0621 0.0984	0.0725 0.0984	Linl		-0.144	0.0985						0.9960			0.9900
1,2,4-Trichlorobenzene	1.1564 1.1865	1.1453 1.1896	1.0701 1.1598	1.1097 1.1113	1.1702 1.1113	Ave			1.1443				3.5		15.0			
Hexachlorobutadiene	0.4569 0.6507	0.5454 0.6993	0.5712 0.6829	0.6345 0.6403	0.6584 0.6403	Ave			0.6155				13.0		15.0			
Naphthalene	2.1396 2.6543	2.1391 2.3967	2.1881 2.2613	2.0847 2.1149	2.1817 2.1149	Ave			2.2400				8.1		15.0			
1,2,3-Trichlorobenzene	1.0169 1.0880	1.0318 1.0726	0.9945 1.0290	0.9794 0.9571	1.0316 0.9571	Ave			1.0223				4.1		15.0			
Dibromofluoromethane (Surr)	0.3658 0.2134	0.3085 0.2344	0.2449 0.2391	0.2650 0.2312	0.2555 0.2312	Linl		0.1396	0.2327						0.9990			0.9900
1,2-Dichloroethane-d4 (Surr)	0.6088 0.2572	0.4532 0.2608	0.3689 0.2653	0.3368 0.2664	0.2988 0.2664	Linl		0.3970	0.2629						0.9990			0.9900
Toluene-d8 (Surr)	3.0736 1.4120	2.3523 1.5328	1.8006 1.5276	1.8557 1.4401	1.7270 1.4401	Linl		1.8099	1.4781						0.9980			0.9900
4-Bromofluorobenzene (Surr)	2.3167 0.9531	1.6973 1.0020	1.2547 1.0533	1.1725 1.0512	1.0772 1.0512	Linl		1.2343	1.0274						0.9990			0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI

GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton

Job No.: 240-36245-1

Analy Batch No.: 126349

SDG No.:

Instrument ID: A3UX14

GC Column: DB-624 ID: 0.18 (mm)

Heated Purge: (Y/N) Y

Calibration Start Date: 04/14/2014 13:47

Calibration End Date: 04/14/2014 16:38

Calibration ID: 21698

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 240-126349/20	147671.D
Level 2	IC 240-126349/19	147670.D
Level 3	IC 240-126349/18	147669.D
Level 4	IC 240-126349/17	147668.D
Level 5	IC 240-126349/16	147667.D
Level 6	IC 240-126349/15	147666.D
Level 7	IC 240-126349/14	147665.D
Level 8	IC 240-126349/13	147664.D
Level 9	IC 240-126349/12	147663.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 9	LVL 5			B	M1	M2								
Acetonitrile	0.0212 0.0236	0.0283 0.0265	0.0284 0.0224	0.0284 0.0239	0.0237 Ave				0.0252				11.0		15.0			
2-Chloro-1,3-butadiene	++++ 0.5105	++++ 0.5193	0.4079 0.5515	0.4086 0.5608	0.4531 Ave				0.4874				13.0		15.0			
Diisopropyl ether	0.2058 0.2693	0.2267 0.2720	0.2538 0.2687	0.2520 0.2730	0.2544 Ave				0.2529				9.1		15.0			
Ethyl-t-butyl ether (ETBE)	0.6895 0.8953	0.7545 0.9421	0.8143 0.9296	0.8445 0.9427	0.8388 Ave				0.8502				10.0		15.0			
Propionitrile	0.0227 0.0289	0.0260 0.0318	0.0303 0.0265	0.0305 0.0275	0.0285 Ave				0.0281				9.9		15.0			
Ethyl acetate	0.1153 0.1124	0.0890 0.1266	0.1129 0.1055	0.1172 0.1093	0.1021 Ave				0.1100				9.6		15.0			
Methacrylonitrile	0.0941 0.1141	0.1007 0.1207	0.1138 0.1019	0.1211 0.1029	0.1087 Ave				0.1087				8.7		15.0			
Tert-amyl methyl ether	0.4295 0.6069	0.4779 0.6409	0.5409 0.6220	0.5561 0.6368	0.5398 Ave				0.5612				13.0		15.0			
n-Butanol	0.0054 0.0054	0.0038 0.0070	0.0047 0.0060	0.0064 0.0062	0.0053 linl			-0.073	0.0062						0.9940			0.9900
Ethyl acrylate	++++ 0.1756	++++ 0.2077	0.1389 0.1822	0.1627 0.1891	0.1510 Ave				0.1725				14.0		15.0			
Methyl methacrylate	0.1101 0.1358	0.1019 0.1504	0.1135 0.1331	0.1271 0.1371	0.1200 Ave				0.1254				12.0		15.0			
2-Nitropropane	0.0193 0.0155	0.0210 0.0195	0.0163 0.0201	0.0147 0.0220	0.0126 Qua			-0.026	0.0159	0						0.9990		0.9900
1-Chlorohexane	0.4585 0.5015	0.4663 0.4932	0.4575 0.5343	0.4466 0.5474	0.4858 Ave				0.4879				7.2		15.0			

Note: The ml coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-36245-1 Analy Batch No.: 126349

SDG No.: _____

Instrument ID: A30X14 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/14/2014 13:47 Calibration End Date: 04/14/2014 16:38 Calibration ID: 21698

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 9	LVL 5		B	M1	M2								
Cyclohexanone	0.0078 0.0079	0.0073 0.0099	0.0076 0.0087	0.0075 0.0089	0.0078	Ave		0.0082			10.0		15.0				
Pentachloroethane	0.1655 0.3655	0.1505 0.3794	0.1859 0.4152	0.2082 0.4318	0.2474	Lin1	-1.199	0.4091					0.9900				0.9900
1,2,3-Trimethylbenzene	2.3812 3.3573	2.5955 3.4214	2.9700 3.3837	2.9494 3.1947	3.1479	Ave		3.0446			12.0		15.0				
Benzyl chloride	0.0428 0.1109	0.0496 0.1556	0.0744 0.1735	0.0744 0.1873	0.0806	Qua	-0.454	0.1261	0.0003				0.9990				0.9900
1,3,5-Trichlorobenzene	1.0846 1.2950	1.1330 1.3007	1.3140 1.3228	1.2050 1.3280	1.2625	Ave		1.2495			7.1		15.0				
2-Methylnaphthalene	1.2160 1.5728	1.0753 1.7289	1.2717 1.4704	1.3859 1.3861	1.4377	Ave		1.3939			14.0		15.0				
n-Butyl acetate	0.3321 0.2313	0.2424 0.2718	0.2368 0.2466	0.2276 0.2570	0.2031	Ave		0.2498			15.0		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.: 240-36245-1
 SDG No.: no sample
 Lab Sample ID: ICV 240-126349/21 Calibration Date: 04/14/2014 17:00
 Instrument ID: A3UX14 Calib Start Date: 04/14/2014 10:32
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 04/14/2014 13:25
 Lab File ID: 147672.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	0.3543	0.2260		0.310	0.0500	-36.2	50.0
Chloromethane	Ave	0.4219	0.3491	0.1000	0.300	0.0500	-17.3	50.0
Vinyl chloride	Ave	0.3956	0.3545		0.220	0.0500	-10.4	20.0
Butadiene	Ave	0.3819	0.3302		0.0432	0.0500	-13.5	50.0
Bromomethane	Ave	0.0903	0.0770		0.410	0.0500	-14.8	50.0
Chloroethane	Qua		0.1442		0.290	0.0500	1.3	50.0
Dichlorofluoromethane	Ave	0.4566	0.4417		0.420	0.0500	-3.3	50.0
Trichlorofluoromethane	Ave	0.3003	0.2795		0.210	0.0500	-6.9	50.0
Ethyl ether	Ave	0.2226	0.2210		0.310	0.0500	-0.7	50.0
Acrolein	Ave	0.0168	0.0186		2.20	0.250	10.5	50.0
1,1-Dichloroethene	Ave	0.2358	0.2605		0.190	0.0500	10.5	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2135	0.2324		0.280	0.0500	8.9	50.0
Acetone	Qua		0.0572		1.10	0.100	-10.1	50.0
Iodomethane	Ave	0.3670	0.4105		0.180	0.0500	11.8	50.0
Carbon disulfide	Linl		0.6172		0.130	0.0500	-10.4	50.0
3-Chloro-1-propene	Linl		0.1447		0.350	0.0500	-5.8	50.0
Methyl acetate	Ave	0.1571	0.1445		0.380	0.250	-8.0	50.0
Methylene Chloride	Linl		0.2997		0.330	0.0500	11.6	50.0
tert-Butyl alcohol	Qua		0.0151		3.90	0.500	-15.2	50.0
Acrylonitrile	Ave	0.0782	0.0769		2.00	0.500	-1.7	50.0
trans-1,2-Dichloroethene	Ave	0.2818	0.3243		0.190	0.0500	15.1	50.0
Methyl tert-butyl ether	Ave	0.6298	0.6456		0.170	0.0500	2.5	50.0
Hexane	Ave	0.0847	0.0893		0.260	0.0500	5.5	20.0
1,1-Dichloroethane	Ave	0.5281	0.5919	0.1000	0.150	0.0500	12.1	50.0
Vinyl acetate	Linl		0.0291		0.190	0.0400	28.8	50.0
2,2-Dichloropropane	Ave	0.2379	0.2577		0.130	0.0500	8.3	50.0
cis-1,2-Dichloroethene	Ave	0.2962	0.3218		0.170	0.0500	8.7	50.0
2-Butanone (MEK)	Ave	0.0813	0.0760		0.570	0.100	-6.5	50.0
Bromochloromethane	Ave	0.1204	0.1309		0.290	0.0500	8.7	50.0
Tetrahydrofuran	Qua		0.0539		0.420	0.100	-6.8	50.0
Chloroform	Ave	0.4481	0.4966		0.160	0.0500	10.8	20.0
1,1,1-Trichloroethane	Ave	0.3681	0.4077		0.220	0.0500	10.8	50.0
Cyclohexane	Ave	0.6180	0.6940		0.120	0.0500	12.3	50.0
1,1-Dichloropropene	Ave	0.3705	0.4288		0.130	0.0500	15.7	50.0
Carbon tetrachloride	Ave	0.3043	0.3594		0.130	0.0500	18.1	50.0
Isobutyl alcohol	Qua		0.0048		8.20	1.25	-22.7	50.0
Benzene	Ave	1.100	1.194		0.130	0.0500	8.5	50.0
1,2-Dichloroethane	Ave	0.3457	0.3531		0.220	0.0500	2.1	50.0
n-Heptane	Ave	0.0770	0.0867		0.180	0.0500	12.6	50.0
Trichloroethene	Ave	0.2771	0.3023		0.170	0.0500	9.1	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-36245-1

SDG No.: _____

Lab Sample ID: ICV 240-126349/21 Calibration Date: 04/14/2014 17:00

Instrument ID: A3UX14 Calib Start Date: 04/14/2014 10:32

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 04/14/2014 13:25

Lab File ID: 147672.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	0.5568	0.6200		0.130	0.0500	11.4	50.0
1,2-Dichloropropane	Ave	0.2635	0.2823		0.180	0.0500	7.1	20.0
Dibromomethane	Ave	0.1163	0.1226		0.280	0.0500	5.4	50.0
1,4-Dioxane	Ave	0.0019	0.0018		19.0	1.00	-6.2	50.0
Bromodichloromethane	Lin1		0.2550		0.150	0.0500	-13.7	50.0
2-Chloroethyl vinyl ether	Lin1		0.1008		0.990	0.0600	-11.0	50.0
cis-1,3-Dichloropropene	Lin1		0.3076		0.140	0.0500	-11.3	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2506	0.2488		0.320	0.100	-0.7	50.0
Toluene	Ave	1.701	1.851		0.130	0.0500	8.8	20.0
trans-1,3-Dichloropropene	Lin1		0.3714		0.190	0.0500	-5.9	50.0
Ethyl methacrylate	Lin1		0.3018		0.140	0.0500	-6.1	50.0
1,1,2-Trichloroethane	Ave	0.2493	0.2578		0.270	0.0500	3.4	50.0
Tetrachloroethene	Ave	0.3313	0.3583		0.290	0.0500	8.2	50.0
1,3-Dichloropropane	Ave	0.4548	0.4595		0.160	0.0500	1.0	50.0
2-Hexanone	Ave	0.1445	0.1399		0.410	0.100	-3.2	50.0
Dibromochloromethane	Lin1		0.2250		0.180	0.0500	-16.3	50.0
1,2-Dibromoethane	Ave	0.2175	0.2328		0.240	0.0500	7.0	50.0
Chlorobenzene	Ave	1.072	1.112	0.3000	0.150	0.0500	3.7	50.0
1,1,1,2-Tetrachloroethane	Ave	0.3367	0.3624		0.230	0.0500	7.6	50.0
Ethylbenzene	Ave	0.5788	0.6264		0.170	0.0500	8.2	20.0
m-Xylene & p-Xylene	Ave	0.7087	0.7678		0.240	0.0500	8.3	50.0
o-Xylene	Ave	0.7090	0.7779		0.140	0.0500	9.7	50.0
Styrene	Ave	1.015	1.078		0.110	0.0500	6.2	50.0
Bromoform	Qua		0.1037	0.1000	0.640	0.0500	-15.9	50.0
Isopropylbenzene	Ave	1.884	2.217		0.310	0.0500	17.7	50.0
1,1,2,2-Tetrachloroethane	Ave	0.5488	0.5823	0.3000	0.180	0.0500	6.1	50.0
Bromobenzene	Ave	0.7620	0.8323		0.130	0.0500	9.2	50.0
1,2,3-Trichloropropane	Ave	0.1754	0.1761		0.430	0.0500	0.4	50.0
trans-1,4-Dichloro-2-butene	Ave	0.1545	0.1628		0.150	0.0500	5.3	50.0
N-Propylbenzene	Ave	0.9774	1.122		0.140	0.0500	14.8	50.0
2-Chlorotoluene	Ave	0.8341	0.9358		0.110	0.0500	12.2	50.0
1,3,5-Trimethylbenzene	Ave	3.101	3.536		0.0960	0.0500	14.0	50.0
4-Chlorotoluene	Ave	0.8262	0.9067		0.180	0.0500	9.7	50.0
tert-Butylbenzene	Ave	2.795	3.231		0.130	0.0500	15.6	50.0
1,2,4-Trimethylbenzene	Ave	3.011	3.499		0.120	0.0500	16.2	50.0
sec-Butylbenzene	Ave	4.003	4.621		0.130	0.0500	15.4	50.0
1,3-Dichlorobenzene	Ave	1.640	1.765		0.140	0.0500	7.6	50.0
p-Isopropyltoluene	Ave	3.509	3.976		0.0566	0.0500	13.3	50.0
1,4-Dichlorobenzene	Ave	1.678	1.753		0.130	0.0500	4.5	50.0
n-Butylbenzene	Ave	3.028	3.623		0.120	0.0500	19.7	50.0
1,2-Dichlorobenzene	Ave	1.573	1.652		0.130	0.0500	5.0	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Lab Sample ID: ICV 240-126349/21 Calibration Date: 04/14/2014 17:00
 Instrument ID: A3UX14 Calib Start Date: 04/14/2014 10:32
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 04/14/2014 13:25
 Lab File ID: 147672.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	Linl		0.0764		0.670	0.0500	-19.5	50.0
1,2,4-Trichlorobenzene	Ave	1.144	1.197		0.150	0.0500	4.6	50.0
Hexachlorobutadiene	Ave	0.6155	0.7077		0.300	0.0500	15.0	50.0
Naphthalene	Ave	2.240	2.242		0.240	0.0500	0.0	50.0
1,2,3-Trichlorobenzene	Ave	1.022	1.048		0.170	0.0500	2.5	50.0
Dibromofluoromethane (Surr)	Linl		0.2467		0.0524	0.0500	4.8	50.0
1,2-Dichloroethane-d4 (Surr)	Linl		0.2846		0.0526	0.0500	5.2	50.0
Toluene-d8 (Surr)	Linl		1.663		0.0550	0.0500	10.0	50.0
4-Bromofluorobenzene (Surr)	Linl		1.075		0.0511	0.0500	2.2	50.0

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-36245-1
SDG No.: _____
Lab File ID: BFB14687.D BFB Injection Date: 04/21/2014
Instrument ID: A3UX14 BFB Injection Time: 10:56
Analysis Batch No.: 127207

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	17.2
75	30.0 - 60.0 % of mass 95	45.7
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	79.3
175	5.0 - 9.0 % of mass 174	5.9 (7.5)1
176	95.0 - 101.0 % of mass 174	77.2 (97.4)1
177	5.0 - 9.0 % of mass 176	5.0 (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 240-127207/3	147734.D	04/21/2014	11:39
	CCV 240-127207/4	147735.D	04/21/2014	12:01
	LCS 240-127207/5	147736.D	04/21/2014	12:22
	MB 240-127207/6	147737.D	04/21/2014	12:44
MRC-E-SB-1360-5	240-36245-6	147746.D	04/21/2014	15:57

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-36245-1

SDG No.: _____

Lab Sample ID: CCVIS 240-127207/3 Calibration Date: 04/21/2014 11:39

Instrument ID: A3UX14 Calib Start Date: 04/14/2014 10:32

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 04/14/2014 13:25

Lab File ID: 147734.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	0.3543	0.3380		0.310	0.0500	-4.6	50.0
Chloromethane	Ave	0.4219	0.3850	0.1000	0.300	0.0500	-8.7	50.0
Vinyl chloride	Ave	0.3956	0.3721		0.220	0.0500	-5.9	20.0
Butadiene	Ave	0.3819	0.3513		0.0460	0.0500	-8.0	50.0
Bromomethane	Ave	0.0903	0.0719		0.410	0.0500	-20.3	50.0
Chloroethane	Qua		0.1353		0.290	0.0500	-4.7	50.0
Dichlorofluoromethane	Ave	0.4566	0.3781		0.420	0.0500	-17.2	50.0
Trichlorofluoromethane	Ave	0.3003	0.2535		0.210	0.0500	-15.6	50.0
Ethyl ether	Ave	0.2226	0.1803		0.310	0.0500	-19.0	50.0
Acrolein	Ave	0.0168	0.0187		2.20	0.250	11.3	50.0
1,1-Dichloroethene	Ave	0.2358	0.2294		0.190	0.0500	-2.7	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2135	0.2085		0.280	0.0500	-2.3	50.0
Acetone	Qua		0.0419		1.10	0.100	-38.0	50.0
Iodomethane	Ave	0.3670	0.3525		0.180	0.0500	-4.0	50.0
Carbon disulfide	Lin1		0.5546		0.130	0.0500	-19.3	50.0
3-Chloro-1-propene	Lin1		0.1459		0.350	0.0500	-5.0	50.0
Methyl acetate	Ave	0.1571	0.1251		0.380	0.250	-20.4	50.0
Methylene Chloride	Lin1		0.2750		0.330	0.0500	2.2	50.0
tert-Butyl alcohol	Qua		0.0130		3.90	0.500	-27.6	50.0
Acrylonitrile	Ave	0.0782	0.0665		2.00	0.500	-15.0	50.0
trans-1,2-Dichloroethene	Ave	0.2818	0.2886		0.190	0.0500	2.4	50.0
Methyl tert-butyl ether	Ave	0.6298	0.5780		0.170	0.0500	-8.2	50.0
Hexane	Ave	0.0847	0.0749		0.260	0.0500	-11.5	20.0
1,1-Dichloroethane	Ave	0.5281	0.5214	0.1000	0.150	0.0500	-1.3	50.0
Vinyl acetate	Lin1		0.0192		0.190	0.0480	-14.1	50.0
2,2-Dichloropropane	Ave	0.2379	0.2381		0.130	0.0500	0.1	50.0
cis-1,2-Dichloroethene	Ave	0.2962	0.2957		0.170	0.0500	-0.2	50.0
2-Butanone (MEK)	Ave	0.0813	0.0582		0.570	0.100	-28.4	50.0
Bromochloromethane	Ave	0.1204	0.1192		0.290	0.0500	-0.9	50.0
Tetrahydrofuran	Qua		0.0443		0.420	0.100	-24.5	50.0
Chloroform	Ave	0.4481	0.4378		0.160	0.0500	-2.3	20.0
1,1,1-Trichloroethane	Ave	0.3681	0.3602		0.220	0.0500	-2.2	50.0
Cyclohexane	Ave	0.6180	0.6204		0.120	0.0500	0.4	50.0
1,1-Dichloropropene	Ave	0.3705	0.3466		0.130	0.0500	-6.5	50.0
Carbon tetrachloride	Ave	0.3043	0.3212		0.130	0.0500	5.6	50.0
Benzene	Ave	1.100	1.060		0.130	0.0500	-3.6	50.0
Isobutyl alcohol	Qua		0.0042		8.20	1.25	-33.5	50.0
1,2-Dichloroethane	Ave	0.3457	0.2893		0.220	0.0500	-16.3	50.0
n-Heptane	Ave	0.0770	0.0746		0.180	0.0500	-3.1	50.0
Trichloroethene	Ave	0.2771	0.2695		0.170	0.0500	-2.7	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-36245-1

SDG No.: _____

Lab Sample ID: CCVIS 240-127207/3 Calibration Date: 04/21/2014 11:39

Instrument ID: A3UX14 Calib Start Date: 04/14/2014 10:32

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 04/14/2014 13:25

Lab File ID: 147734.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	0.5568	0.5657		0.130	0.0500	1.6	50.0
1,2-Dichloropropane	Ave	0.2635	0.2534		0.180	0.0500	-3.8	20.0
Dibromomethane	Ave	0.1163	0.1078		0.280	0.0500	-7.3	50.0
1,4-Dioxane	Ave	0.0019	0.0016		19.0	1.00	-16.3	50.0
Bromodichloromethane	Lin1		0.2364		0.150	0.0500	-19.9	50.0
2-Chloroethyl vinyl ether	Lin1		0.0876		0.990	0.100	-23.3	50.0
cis-1,3-Dichloropropene	Lin1		0.2752		0.140	0.0500	-20.4	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2506	0.1921		3.20	0.100	-23.3	50.0
Toluene	Ave	1.701	1.582		0.130	0.0500	-7.0	20.0
trans-1,3-Dichloropropene	Lin1		0.2980		0.190	0.0500	-24.1	50.0
Ethyl methacrylate	Lin1		0.2515		0.140	0.0500	-21.5	50.0
1,1,2-Trichloroethane	Ave	0.2493	0.2212		0.270	0.0500	-11.2	50.0
Tetrachloroethene	Ave	0.3313	0.3141		0.290	0.0500	-5.2	50.0
1,3-Dichloropropane	Ave	0.4548	0.3973		0.160	0.0500	-12.6	50.0
2-Hexanone	Ave	0.1445	0.1096		0.410	0.100	-24.1	50.0
Dibromochloromethane	Lin1		0.2142		0.180	0.0500	-20.0	50.0
1,2-Dibromoethane	Ave	0.2175	0.2053		0.240	0.0500	-5.6	50.0
Chlorobenzene	Ave	1.072	0.9913	0.3000	0.150	0.0500	-7.5	50.0
1,1,1,2-Tetrachloroethane	Ave	0.3367	0.3314		0.230	0.0500	-1.6	50.0
Ethylbenzene	Ave	0.5788	0.5555		0.170	0.0500	-4.0	20.0
m-Xylene & p-Xylene	Ave	0.7087	0.6899		0.240	0.0500	-2.7	50.0
o-Xylene	Ave	0.7090	0.6927		0.140	0.0500	-2.3	50.0
Styrene	Ave	1.015	1.016		0.110	0.0500	0.1	50.0
Bromoform	Qua		0.1057	0.1000	0.640	0.0500	-14.5	50.0
Isopropylbenzene	Ave	1.884	1.928		0.130	0.0500	2.3	50.0
1,1,2,2-Tetrachloroethane	Ave	0.5488	0.5027	0.3000	0.180	0.0500	-8.4	50.0
Bromobenzene	Ave	0.7620	0.7148		0.130	0.0500	-6.2	50.0
1,2,3-Trichloropropane	Ave	0.1754	0.1463		0.430	0.0500	-16.6	50.0
trans-1,4-Dichloro-2-butene	Ave	0.1545	0.1306		0.150	0.0500	-15.5	50.0
N-Propylbenzene	Ave	0.9774	0.9322		0.140	0.0500	-4.6	50.0
2-Chlorotoluene	Ave	0.8341	0.7805		0.110	0.0500	-6.4	50.0
1,3,5-Trimethylbenzene	Ave	3.101	2.959		0.0960	0.0500	-4.6	50.0
4-Chlorotoluene	Ave	0.8262	0.7765		0.180	0.0500	-6.0	50.0
tert-Butylbenzene	Ave	2.795	2.708		0.130	0.0500	-3.1	50.0
1,2,4-Trimethylbenzene	Ave	3.011	2.992		0.120	0.0500	-0.6	50.0
sec-Butylbenzene	Ave	4.003	3.873		0.130	0.0500	-3.2	50.0
1,3-Dichlorobenzene	Ave	1.640	1.519		0.140	0.0500	-7.4	50.0
p-Isopropyltoluene	Ave	3.509	3.404		0.120	0.0500	-3.0	50.0
1,4-Dichlorobenzene	Ave	1.678	1.526		0.130	0.0500	-9.0	50.0
n-Butylbenzene	Ave	3.028	3.071		0.120	0.0500	1.4	50.0
1,2-Dichlorobenzene	Ave	1.573	1.421		0.130	0.0500	-9.7	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Lab Sample ID: CCVIS 240-127207/3 Calibration Date: 04/21/2014 11:39
 Instrument ID: A3UX14 Calib Start Date: 04/14/2014 10:32
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 04/14/2014 13:25
 Lab File ID: 147734.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	Linl		0.0734		0.670	0.0500	-22.6	50.0
1,2,4-Trichlorobenzene	Ave	1.144	1.086		0.150	0.0500	-5.1	50.0
Hexachlorobutadiene	Ave	0.6155	0.6224		0.300	0.0500	1.1	50.0
Naphthalene	Ave	2.240	1.951		0.240	0.0500	-12.9	50.0
1,2,3-Trichlorobenzene	Ave	1.022	0.9483		0.170	0.0500	-7.2	50.0
Dibromofluoromethane (Surr)	Linl		0.2318		0.0492	0.0500	-1.6	50.0
1,2-Dichloroethane-d4 (Surr)	Linl		0.2463		0.0453	0.0500	-9.3	50.0
Toluene-d8 (Surr)	Linl		1.476		0.0487	0.0500	-2.6	50.0
4-Bromofluorobenzene (Surr)	Linl		0.9656		0.0458	0.0500	-8.4	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Lab Sample ID: CCV 240-127207/4 Calibration Date: 04/21/2014 12:01
 Instrument ID: A3UX14 Calib Start Date: 04/14/2014 13:47
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 04/14/2014 16:38
 Lab File ID: 147735.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	0.0252	0.0209		3.50	0.500	-17.0	50.0
2-Chloro-1,3-butadiene	Ave	0.4874	0.4493		0.290	0.0500	-7.8	50.0
Diisopropyl ether	Ave	0.2529	0.2432		1.50	0.0500	-3.8	50.0
Ethyl-t-butyl ether (ETBE)	Ave	0.8502	0.7798		0.110	0.0500	-8.3	50.0
Propionitrile	Ave	0.0281	0.0228		1.20	0.500	-18.8	50.0
Ethyl acetate	Ave	0.1100	0.0788		0.500	0.100	-28.4	50.0
Methacrylonitrile	Ave	0.1087	0.0852		0.510	0.500	-21.6	50.0
Tert-amyl methyl ether	Ave	0.5612	0.5322		0.0670	0.0500	-5.2	50.0
n-Butanol	Lin1		0.0045		7.30	1.25	-26.3	50.0
Ethyl acrylate	Ave	0.1725	0.1250		0.250	0.0500	-27.5	50.0
Methyl methacrylate	Ave	0.1254	0.0930		0.490	0.100	-25.9	50.0
2-Nitropropane	Qua		0.0126		0.700	0.100	-23.6	50.0
1-Chlorohexane	Ave	0.4879	0.4314		0.160	0.0500	-11.6	50.0
Cyclohexanone	Ave	0.0082	0.0060		5.80	0.500	-26.1	50.0
Pentachloroethane	Lin1		0.3608		0.0911	0.100	-8.9	50.0
1,2,3-Trimethylbenzene	Ave	3.045	2.907		0.0477	0.0500	-4.5	50.0
Benzyl chloride	Qua		0.1148		0.130	0.0500	-9.9	50.0
1,3,5-Trichlorobenzene	Ave	1.250	1.236		0.110	0.0500	-1.1	50.0
2-Methylnaphthalene	Ave	1.394	1.202		0.470	0.100	-13.7	50.0

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-36245-1
SDG No.: _____
Lab File ID: 147737.D Lab Sample ID: MB 240-127207/6
Matrix: Solid Heated Purge: (Y/N) Y
Instrument ID: A3UX14 Date Analyzed: 04/21/2014 12:44
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 240-127207/5	147736.D	04/21/2014 12:22
MRC-E-SB-1360-5	240-36245-6	147746.D	04/21/2014 15:57

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36245-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 240-127207/6

Matrix: Solid Lab File ID: 147737.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(g) Date Analyzed: 04/21/2014 12:44

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.: 127207 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.62	U	5.0	0.62
71-55-6	1,1,1-Trichloroethane	0.56	U	5.0	0.56
79-34-5	1,1,2,2-Tetrachloroethane	0.34	U	5.0	0.34
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.3	U	5.0	1.3
75-34-3	1,1-Dichloroethane	0.36	U	5.0	0.36
75-35-4	1,1-Dichloroethene	0.52	U	5.0	0.52
563-58-6	1,1-Dichloropropene	0.30	U	5.0	0.30
87-61-6	1,2,3-Trichlorobenzene	0.606	J	5.0	0.38
96-18-4	1,2,3-Trichloropropane	0.90	U	5.0	0.90
526-73-8	1,2,3-Trimethylbenzene	0.17	U	5.0	0.17
120-82-1	1,2,4-Trichlorobenzene	0.395	J	5.0	0.27
95-63-6	1,2,4-Trimethylbenzene	0.65	U	5.0	0.65
96-12-8	1,2-Dibromo-3-Chloropropane	1.3	U	10	1.3
95-50-1	1,2-Dichlorobenzene	0.36	U	5.0	0.36
107-06-2	1,2-Dichloroethane	0.34	U	5.0	0.34
78-87-5	1,2-Dichloropropane	0.69	U	5.0	0.69
541-73-1	1,3-Dichlorobenzene	0.35	U	5.0	0.35
142-28-9	1,3-Dichloropropane	0.34	U	5.0	0.34
106-46-7	1,4-Dichlorobenzene	0.66	U	5.0	0.66
594-20-7	2,2-Dichloropropane	0.94	U	5.0	0.94
110-75-8	2-Chloroethyl vinyl ether	1.4	U	50	1.4
95-49-8	2-Chlorotoluene	0.40	U	5.0	0.40
591-78-6	2-Hexanone	0.63	U	20	0.63
108-86-1	Bromobenzene	0.33	U	5.0	0.33
74-97-5	Bromochloromethane	0.71	U	5.0	0.71
106-43-4	4-Chlorotoluene	0.41	U	5.0	0.41
99-87-6	p-Isopropyltoluene	0.21	U	5.0	0.21
67-64-1	Acetone	6.3	U	20	6.3
71-43-2	Benzene	0.23	U	5.0	0.23
75-25-2	Bromoform	0.33	U	5.0	0.33
74-83-9	Bromomethane	0.54	U	5.0	0.54
75-15-0	Carbon disulfide	1.18	J	5.0	0.44
56-23-5	Carbon tetrachloride	0.37	U	5.0	0.37
108-90-7	Chlorobenzene	0.33	U	5.0	0.33
75-00-3	Chloroethane	2.05	J	5.0	0.86

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36245-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 240-127207/6

Matrix: Solid Lab File ID: 147737.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(g) Date Analyzed: 04/21/2014 12:44

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.: 127207 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.29	U	5.0	0.29
74-87-3	Chloromethane	0.41	U	5.0	0.41
156-59-2	cis-1,2-Dichloroethene	0.36	U	5.0	0.36
10061-01-5	cis-1,3-Dichloropropene	0.34	U	5.0	0.34
87-68-3	Hexachlorobutadiene	1.2	U	5.0	1.2
74-95-3	Dibromomethane	0.63	U	5.0	0.63
75-27-4	Bromodichloromethane	0.28	U	5.0	0.28
75-71-8	Dichlorodifluoromethane	0.50	U	5.0	0.50
100-41-4	Ethylbenzene	0.26	U	5.0	0.26
106-93-4	1,2-Dibromoethane	0.50	U	5.0	0.50
108-20-3	Diisopropyl ether	1.5	U	10	1.5
91-20-3	Naphthalene	0.662	J	5.0	0.19
179601-23-1	m-Xylene & p-Xylene	1.2	U	10	1.2
104-51-8	n-Butylbenzene	0.23	U	5.0	0.23
98-82-8	Isopropylbenzene	0.16	U	5.0	0.16
103-65-1	N-Propylbenzene	0.40	U	5.0	0.40
78-93-3	2-Butanone (MEK)	1.4	U	20	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	0.54	U	20	0.54
135-98-8	sec-Butylbenzene	0.18	U	5.0	0.18
1634-04-4	Methyl tert-butyl ether	0.43	U	5.0	0.43
994-05-8	Tert-amyl methyl ether	0.37	U	5.0	0.37
75-09-2	Methylene Chloride	0.67	U	5.0	0.67
95-47-6	o-Xylene	0.35	U	5.0	0.35
100-42-5	Styrene	0.244	J	5.0	0.15
637-92-3	Ethyl-t-butyl ether (ETBE)	0.22	U	5.0	0.22
98-06-6	tert-Butylbenzene	0.29	U	5.0	0.29
127-18-4	Tetrachloroethene	0.52	U	5.0	0.52
108-88-3	Toluene	0.304	J	5.0	0.27
156-60-5	trans-1,2-Dichloroethene	0.41	U	5.0	0.41
10061-02-6	trans-1,3-Dichloropropene	0.54	U	5.0	0.54
79-01-6	Trichloroethene	0.42	U	5.0	0.42
75-69-4	Trichlorofluoromethane	0.34	U	5.0	0.34
108-05-4	Vinyl acetate	0.25	U	10	0.25
75-01-4	Vinyl chloride	0.39	U	5.0	0.39
75-65-0	tert-Butyl alcohol	7.6	U	200	7.6
1330-20-7	Xylenes, Total	0.35	U	10	0.35

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 240-127207/6
 Matrix: Solid Lab File ID: 147737.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(g) Date Analyzed: 04/21/2014 12:44
 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.: 127207 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.55	U	5.0	0.55

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		58-123
460-00-4	4-Bromofluorobenzene (Surr)	90		52-136
2037-26-5	Toluene-d8 (Surr)	96		67-125
1868-53-7	Dibromofluoromethane (Surr)	92		37-132

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

Lab Name: TestAmerica Canton Job No.: 240-36245-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 240-127207/6
Matrix: Solid Lab File ID: 147737.D
Analysis Method: 8260B Date Collected: _____
Sample wt/vol: 5(g) Date Analyzed: 04/21/2014 12:44
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.: 127207 Units: ug/Kg
Number TICs Found: 0 TIC Result Total: 0

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

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-36245-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: 147736.D
Lab ID: LCS 240-127207/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	50.0	50.3	101	80-120	
1,1,1-Trichloroethane	50.0	50.0	100	77-126	
1,1,2,2-Tetrachloroethane	50.0	48.9	98	77-123	
1,1,2-Trichloro-1,2,2-trifluor oethane	50.0	49.6	99	80-138	
1,1-Dichloroethane	50.0	51.6	103	76-120	
1,1-Dichloroethene	50.0	49.8	100	75-135	
1,1-Dichloropropene	50.0	51.9	104	80-120	
1,2,3-Trichlorobenzene	50.0	47.1	94	61-121	
1,2,3-Trichloropropane	50.0	45.4	91	80-126	
1,2,4-Trichlorobenzene	50.0	47.4	95	64-124	
1,2,4-Trimethylbenzene	50.0	48.8	98	80-129	
1,2-Dibromo-3-Chloropropane	50.0	44.8	90	61-132	
1,2-Dichlorobenzene	50.0	46.1	92	76-120	
1,2-Dichloroethane	50.0	44.7	89	72-120	
1,2-Dichloropropane	50.0	49.7	99	80-120	
1,3-Dichlorobenzene	50.0	46.4	93	78-120	
1,3-Dichloropropane	50.0	45.9	92	80-120	
1,4-Dichlorobenzene	50.0	44.9	90	75-120	
2,2-Dichloropropane	50.0	50.8	102	69-135	
2-Chloroethyl vinyl ether	60.0	51.8	86	28-173	
2-Chlorotoluene	50.0	47.3	95	78-120	
2-Hexanone	100	85.2	85	64-136	
Bromobenzene	50.0	48.1	96	80-120	
Bromochloromethane	50.0	53.1	106	79-120	
4-Chlorotoluene	50.0	47.0	94	79-120	
p-Isopropyltoluene	50.0	48.2	96	77-131	
Acetone	100	68.3	68	41-137	
Benzene	50.0	49.8	100	79-120	
Bromoform	50.0	46.0	92	62-133	
Bromomethane	50.0	38.7	77	42-136	
Carbon disulfide	50.0	45.2	90	62-146	
Carbon tetrachloride	50.0	56.1	112	71-129	
Chlorobenzene	50.0	47.0	94	78-120	
Chloroethane	50.0	43.7	87	58-120	
Chloroform	50.0	50.3	101	77-120	
Chloromethane	50.0	43.4	87	50-120	
cis-1,2-Dichloroethene	50.0	51.4	103	76-120	
cis-1,3-Dichloropropene	50.0	43.0	86	74-128	
Hexachlorobutadiene	50.0	50.9	102	54-131	
Dibromomethane	50.0	50.5	101	80-120	
Bromodichloromethane	50.0	41.2	82	80-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-36245-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: 147736.D
Lab ID: LCS 240-127207/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	50.0	41.7	83	26-120	
Ethylbenzene	50.0	47.7	95	79-120	
1,2-Dibromoethane	50.0	50.9	102	80-120	
Naphthalene	50.0	48.0	96	65-123	
m-Xylene & p-Xylene	50.0	48.3	97	80-120	
n-Butylbenzene	50.0	50.1	100	68-135	
Isopropylbenzene	50.0	51.6	103	76-122	
N-Propylbenzene	50.0	48.2	96	80-129	
2-Butanone (MEK)	100	81.8	82	52-131	
4-Methyl-2-pentanone (MIBK)	100	89.2	89	67-135	
sec-Butylbenzene	50.0	48.8	98	74-129	
Methyl tert-butyl ether	50.0	50.4	101	49-165	
Methylene Chloride	50.0	53.2	106	75-120	
o-Xylene	50.0	49.2	98	80-120	
Styrene	50.0	47.8	96	80-120	
tert-Butylbenzene	50.0	48.6	97	76-126	
Tetrachloroethene	50.0	49.0	98	79-120	
Toluene	50.0	47.8	96	75-120	
trans-1,2-Dichloroethene	50.0	53.5	107	78-120	
trans-1,3-Dichloropropene	50.0	44.9	90	73-131	
Trichloroethene	50.0	51.8	104	79-120	
Trichlorofluoromethane	50.0	42.1	84	57-146	
Vinyl acetate	40.0	52.5	131	70-130	*
Vinyl chloride	50.0	44.1	88	57-120	
tert-Butyl alcohol	500	396	79	60-125	
Xylenes, Total	100	97.5	98	80-120	
Dibromochloromethane	50.0	42.4	85	72-127	

Column to be used to flag recovery and RPD values

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-36245-1
SDG No.: _____
Lab File ID: BFB8493.D BFB Injection Date: 04/05/2014
Instrument ID: A3UX8 BFB Injection Time: 03:27
Analysis Batch No.: 125368

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	29.1
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	7.2
173	Less than 2.0 % of mass 174	0.5 (0.7)1
174	50.0 - 120.00 % of mass 95	62.9
175	5.0 - 9.0 % of mass 174	4.7 (7.5)1
176	95.0 - 101.0 % of mass 174	61.1 (97.2)1
177	5.0 - 9.0 % of mass 176	4.0 (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 240-125368/3	UX80332.D	04/05/2014	04:10
	STD8260 240-125368/4	UX80333.D	04/05/2014	04:31
	STD8260 240-125368/5	UX80334.D	04/05/2014	04:53
	ICIS 240-125368/6	UX80335.D	04/05/2014	05:14
	STD8260 240-125368/7	UX80336.D	04/05/2014	05:35
	STD8260 240-125368/8	UX80337.D	04/05/2014	05:56
	STD8260 240-125368/9	UX80338.D	04/05/2014	06:17
	STD8260 240-125368/10	UX80339.D	04/05/2014	06:39
	STDA9 240-125368/11	UX80340.D	04/05/2014	07:00
	STDA9 240-125368/12	UX80341.D	04/05/2014	07:21
	STDA9 240-125368/13	UX80342.D	04/05/2014	07:42
	STDA9 240-125368/14	UX80343.D	04/05/2014	08:04
	STDA9 240-125368/15	UX80344.D	04/05/2014	08:25
	STDA9 240-125368/16	UX80345.D	04/05/2014	08:46
	ICV 240-125368/18	UX80347.D	04/05/2014	09:29
	ICV 240-125368/19	UX80348.D	04/05/2014	09:50

FORM VI

GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-36245-1 Analy Batch No.: 125368

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y
Calibration Start Date: 04/05/2014 04:10 Calibration End Date: 04/05/2014 06:39 Calibration ID: 21604

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-125368/10	UX80339.D
Level 2	STD8260 240-125368/9	UX80338.D
Level 3	STD8260 240-125368/8	UX80337.D
Level 4	STD8260 240-125368/7	UX80336.D
Level 5	ICIS 240-125368/6	UX80335.D
Level 6	STD8260 240-125368/5	UX80334.D
Level 7	STD8260 240-125368/4	UX80333.D
Level 8	STD8260 240-125368/3	UX80332.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 4	LVL 5	B	M1	M2												
Dichlorodifluoromethane	0.1688	0.1335	0.1744	0.1894	0.1684	Ave		0.1709						10.0		15.0				
Chloromethane	0.3939	0.3899	0.4024	0.4295	0.3763	Ave		0.3931		0.1000				4.3		15.0				
Vinyl chloride	0.3779	0.3898	0.3851																	
	0.2551	0.2466	0.2758	0.2742	0.2494	Ave		0.2579						4.5		15.0				
	0.2459	0.2572	0.2586																	
Butadiene	0.2974	0.3180	0.3421	0.3549	0.3233	Ave		0.3279						5.9		15.0				
Bromomethane	0.3092	0.3385	0.3397																	
	0.1210	0.0987	0.1089	0.1210	0.1038	Qua		0.0512	0.1061		0						0.9990		0.9900	
	0.0876	0.0704																		
Chloroethane	0.1237	0.1374	0.1618	0.1605	0.1380	Ave		0.1336						15.0		15.0				
Dichlorofluoromethane	0.1264	0.1204	0.1006																	
	0.2783	0.2692	0.2784	0.3150	0.2759	Ave		0.2784						5.6		15.0				
	0.2631	0.2740	0.2729																	
Trichlorofluoromethane	0.2137	0.1852	0.2190	0.2365	0.2122	Ave		0.2158						7.2		15.0				
	0.2090	0.2211	0.2301																	
Ethyl ether	0.2176	0.2601	0.2705	0.2718	0.2381	Ave		0.2510						7.7		15.0				
	0.2673	0.2442	0.2387																	
Acrolein	0.0462	0.0419	0.0457	0.0417	0.0351	Ave		0.0398						12.0		15.0				
	0.0384	0.0353	0.0339																	
1,1-Dichloroethene	0.1645	0.1531	0.1645	0.1701	0.1549	Ave		0.1625						3.5		15.0				
	0.1651	0.1655	0.1621																	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0833	0.0993	0.1057	0.1156	0.1081	Ave		0.1076						11.0		15.0				
	0.1169	0.1174	0.1141																	
Acetone	+++++	+++++	0.1841	0.1513	0.1113	Qua		0.7968	0.1073		0						0.9980		0.9900	
	0.1195	0.0991	0.0901																	
Iodomethane	0.2243	0.2671	0.2526	0.2602	0.2366	Ave		0.2533						8.0		15.0				
	0.2912	0.2459	0.2488																	

Note: The ml coefficient is the same as Ave RRF for an Ave curve type.

FORM VI

GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton

Job No.: 240-36245-1

Analy Batch No.: 125368

SDG No.:

Instrument ID: A3UX8

GC Column: DB-624

ID: 0.18 (mm)

Heated Purge: (Y/N) Y

Calibration Start Date: 04/05/2014 04:10

Calibration End Date: 04/05/2014 06:39

Calibration ID: 21604

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		B	M1	M2								
Carbon disulfide	0.4621 0.6192	0.5371 0.5209	0.4866 0.5329	0.5116	0.4761		0.5183				9.4		15.0			
3-Chloro-1-propene	0.0968 0.1132	0.0900 0.0975	0.1091 0.0979	0.1095	0.0907		0.1006				8.8		15.0			
Methyl acetate	0.2943 0.3208	0.3209 0.2634	0.3006 0.2453	0.3022	0.2573		0.2881				10.0		15.0			
Methylene Chloride	++++ 0.2257	++++ 0.2139	0.2578 0.1834	0.2327	0.1912		0.2174				13.0		15.0			
tert-Butyl alcohol	0.0491 0.0437	0.0465 0.0348	0.0522	0.0485	0.0404		0.0450				13.0		15.0			
Acrylonitrile	0.1513 0.1662	0.1610 0.1434	0.1528 0.1318	0.1682	0.1444		0.1524				8.2		15.0			
Methyl tert-butyl ether	0.5858 0.6526	0.6212 0.5835	0.6411 0.5697	0.6447	0.5538		0.6056				6.3		15.0			
trans-1,2-Dichloroethene	0.1869 0.2197	0.2156 0.2082	0.2132 0.2028	0.2238	0.1969		0.2084				5.9		15.0			
Hexane	++++ 0.0598	0.0819 0.0568	0.0577 0.0566	0.0621	0.0544		0.0613				15.0		15.0			
1,1-Dichloroethane	0.4585 0.4950	0.4654 0.4672	0.4947 0.4553	0.5049	0.4405		0.4727		0.1000		4.8		15.0			
Vinyl acetate	++++ 0.0315	++++ 0.0306	0.0220 0.0272	0.0317	0.0257		0.0281				14.0		15.0			
2-Butanone (MEK)	0.1855 0.1965	0.1953 0.1666	0.1794 0.1493	0.1900	0.1778		0.1801				8.8		15.0			
cis-1,2-Dichloroethene	0.2166 0.2443	0.2185 0.2252	0.2480 0.2191	0.2396	0.2175		0.2286				5.8		15.0			
2,2-Dichloropropane	0.1592 0.2160	0.1911 0.2072	0.2045 0.2014	0.2081	0.1996		0.1984				8.8		15.0			
Bromochloromethane	++++ 0.1094	0.0984 0.0982	0.1094 0.0971	0.1080	0.0948		0.1022				6.3		15.0			
Tetrahydrofuran	0.1159 0.1238	0.1117 0.1106	0.1093 0.1001	0.1194	0.1092		0.1125				6.4		15.0			
Chloroform	0.3364 0.3543	0.3254 0.3400	0.3580 0.3348	0.3606	0.3386		0.3435				3.7		15.0			
1,1,1-Trichloroethane	0.2185 0.2808	0.2372 0.2841	0.2540 0.2827	0.2829	0.2560		0.2620				9.5		15.0			
Cyclohexane	0.4752 0.5824	0.4264 0.5836	0.5066 0.5777	0.5769	0.5270		0.5320				11.0		15.0			
1,1-Dichloropropene	0.1968 0.2527	0.2009 0.2542	0.2243 0.2505	0.2424	0.2390		0.2326				9.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI

GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-36245-1 Analy Batch No.: 125368

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y
Calibration Start Date: 04/05/2014 04:10 Calibration End Date: 04/05/2014 06:39 Calibration ID: 21604

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	0.1601 0.2354	0.1736 0.2354	0.1982 0.2374	0.2179	0.2133 Ave		0.2089				14.0		15.0			
Isobutyl alcohol	0.0151 0.0161	0.0149 0.0125	0.0192	0.0178	0.0161 Ave		0.0160				13.0		15.0			
1,2-Dichloroethane	0.3427 0.3785	0.3520 0.3554	0.3628 0.3469	0.3856	0.3487 Ave		0.3591				4.3		15.0			
Benzene	0.7861 0.8353	0.8426 0.8033	0.7949 0.7901	0.8701	0.7744 Ave		0.8121				4.1		15.0			
n-Heptane	0.0433 0.0616	0.0412 0.0592	0.0507 0.0612	0.0600	0.0601 Ave		0.0547				15.0		15.0			
Trichloroethene	0.1881 0.2062	0.1852 0.1998	0.2063 0.2004	0.2024	0.1962 Ave		0.1981				4.0		15.0			
Methylcyclohexane	0.2664 0.3645	0.2784 0.3664	0.3104 0.3528	0.3507	0.3190 Ave		0.3261				12.0		15.0			
1,2-Dichloropropane	0.2151 0.2707	0.2421 0.2563	0.2635 0.2516	0.2642	0.2650 Ave		0.2536				7.1		15.0			
Dibromomethane	0.1079 0.1212	0.1071 0.1146	0.1191 0.1116	0.1227	0.1170 Ave		0.1151				5.1		15.0			
1,4-Dioxane	++++ 0.0026	0.0025 0.0023	0.0023 0.0019	0.0029	0.0026 Ave		0.0024				12.0		15.0			
Bromodichloromethane	0.1939 0.2645	0.2044 0.2561	0.2224 0.2605	0.2446	0.2453 Ave		0.2365				11.0		15.0			
2-Chloroethyl vinyl ether	++++ 0.1687	0.1193 0.1499	0.1205 0.1478	0.1423	0.1593 Ave		0.1440				13.0		15.0			
cis-1,3-Dichloropropene	0.2007 0.3102	0.2424 0.2920	0.2372 0.3040	0.2691	0.2858 Ave		0.2677				14.0		15.0			
4-Methyl-2-pentanone (MIBK)	0.2746 0.3909	0.3076 0.3166	0.3089 0.2892	0.3666	0.3849 Ave		0.3299				14.0		15.0			
Toluene	1.2111 1.4508	1.2306 1.4413	1.3200 1.3687	1.4861	1.4520 Ave		1.3701				7.8		15.0			
trans-1,3-Dichloropropene	0.2800 0.4353	0.3189 0.4267	0.3409 0.4115	0.3904	0.4065 Ave		0.3763				15.0		15.0			
Ethyl methacrylate	++++ 0.4565	0.3014 0.4142	0.3462 0.3765	0.4125	0.4590 Ave		0.3952				15.0		15.0			
1,1,2-Trichloroethane	0.2771 0.3035	0.3241 0.2864	0.2881 0.2619	0.3150	0.3171 Ave		0.2966				7.3		15.0			
1,3-Dichloropropane	0.4138 0.5001	0.4473 0.4828	0.4688 0.4492	0.5291	0.5042 Ave		0.4744				7.8		15.0			
Tetrachloroethene	0.1646 0.2246	0.1836 0.2247	0.2014 0.2177	0.2252	0.2241 Ave		0.2082				11.0		15.0			

Note: The ml coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton

Job No.: 240-36245-1

Analys Batch No.: 125368

SDG No.:

Instrument ID: A3UX8

GC Column: DB-624 ID: 0.18 (mm)

Heated Purge: (Y/N) Y

Calibration Start Date: 04/05/2014 04:10

Calibration End Date: 04/05/2014 06:39

Calibration ID: 21604

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		B	M1	M2								
2-Hexanone	0.3504 0.4221	0.3575 0.3551	0.3737 0.3057	0.4172	0.4408 Ave		0.3778				12.0		15.0			
Dibromochloromethane	0.1890 0.2914	0.2373 0.2791	0.2369 0.2790	0.2946	0.2896 Ave		0.2621				14.0		15.0			
1,2-Dibromoethane	0.1653 0.2760	0.2400 0.2612	0.2489 0.2473	0.2817	0.2726 Ave		0.2491				15.0		15.0			
Chlorobenzene	0.7780 0.8690	0.8140 0.8297	0.8669 0.8157	0.8939	0.8752 Ave		0.8428			0.3000	4.7		15.0			
1,1,1,2-Tetrachloroethane	0.2296 0.2963	0.2458 0.2902	0.2749 0.2785	0.2961	0.3028 Ave		0.2768				9.5		15.0			
Ethylbenzene	0.3702 0.4568	0.3992 0.4565	0.4109 0.4475	0.4491	0.4719 Ave		0.4328				8.1		15.0			
m-Xylene & p-Xylene	0.4419 0.5526	0.4641 0.5499	0.5195 0.5307	0.5642	0.5572 Ave		0.5225				8.7		15.0			
o-Xylene	0.3824 0.5545	0.4264 0.5315	0.4950 0.5052	0.5610	0.5682 Ave		0.5030				13.0		15.0			
Styrene	0.6471 0.9202	0.6683 0.8808	0.7384 0.8427	0.8334	0.9265 Ave		0.8072				14.0		15.0			
Bromoform	++++ 0.1701	++++ 0.1579	0.1302 0.1490	0.1587	0.1680 Ave		0.1556			0.1000	9.4		15.0			
Isopropylbenzene	0.9715 1.4472	1.0930 1.4368	1.2072 1.3517	1.4139	1.4669 Ave		1.2985				14.0		15.0			
1,1,2,2-Tetrachloroethane	0.8079 0.9005	0.7300 0.8016	0.8050 0.7624	0.9874	0.9833 Ave		0.8473			0.3000	12.0		15.0			
Bromobenzene	0.6132 0.7586	0.6217 0.7247	0.6854 0.7440	0.7377	0.7964 Ave		0.7102				9.2		15.0			
1,2,3-Trichloropropane	0.3289 0.2912	0.2213 0.2540	0.2361 0.2409	0.3108	0.3156 Ave		0.2748				15.0		15.0			
trans-1,4-Dichloro-2-butene	0.2978 0.4066	0.2968 0.3663	0.3482 0.3489	0.3787	0.4498 Ave		0.3616				14.0		15.0			
N-Propylbenzene	++++ 0.8957	0.6644 0.8876	0.7119 0.9251	0.8439	0.9304 Ave		0.8370				13.0		15.0			
2-Chlorotoluene	++++ 0.7817	0.5770 0.7503	0.6654 0.7767	0.7748	0.8227 Ave		0.7355				12.0		15.0			
1,3,5-Trimethylbenzene	++++ 2.8182	1.9005 2.7225	2.2067 2.8078	2.6204	2.8805 Ave		2.5652				14.0		15.0			
4-Chlorotoluene	0.5551 0.7979	0.5772 0.7714	0.6809 0.7846	0.8040	0.8402 Ave		0.7264				15.0		15.0			
tert-Butylbenzene	++++ 2.4143	1.7315 2.3489	1.9960 2.7330	2.3270	2.5337 Ave		2.2978				15.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-36245-1 Analy Batch No.: 125368

SDG No.: _____

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/05/2014 04:10 Calibration End Date: 04/05/2014 06:39 Calibration ID: 21604

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		B	M1	M2								
1,2,4-Trimethylbenzene	++++ 2.9249	1.9558 2.7832	2.2220 2.8751	2.7627	2.9913	Ave	2.6450				15.0		15.0			
sec-Butylbenzene	++++ 3.5919	2.4870 3.4925	2.8973 3.6114	3.3458	3.6361	Ave	3.2946				13.0		15.0			
1,3-Dichlorobenzene	1.1945 1.4870	1.4041 1.3681	1.4044 1.3988	1.5024	1.5933	Ave	1.4191				8.2		15.0			
p-Isopropyltoluene	++++ 2.9633	1.9773 2.8918	2.2582 2.9490	2.8010	3.0078	Ave	2.6926				15.0		15.0			
1,4-Dichlorobenzene	1.4378 1.5221	1.4430 1.3605	1.4325 1.4022	1.5743	1.6578	Ave	1.4788				6.7		15.0			
n-Butylbenzene	++++ 2.8333	2.1334 2.7420	2.1968 2.8069	2.6223	2.8455	Ave	2.5972				12.0		15.0			
1,2-Dichlorobenzene	1.3577 1.4814	1.3328 1.3169	1.4137 1.3269	1.5817	1.5825	Ave	1.4242				7.8		15.0			
1,2-Dibromo-3-Chloropropane	++++ 0.1610	0.1035 0.1381	0.1385 0.1336	0.1457	0.1579	Ave	0.1398				14.0		15.0			
1,2,4-Trichlorobenzene	0.6938 0.8825	0.6735 0.8162	0.8041 0.8430	0.8756	0.9260	Ave	0.8143				11.0		15.0			
Hexachlorobutadiene	0.4071 0.4521	0.3552 0.4189	0.4013 0.4173	0.4449	0.4589	Ave	0.4195				8.0		15.0			
Naphthalene	++++ 2.7668	1.9555 2.4872	2.2799 2.3459	2.6649	2.9154	Ave	2.4880				13.0		15.0			
1,2,3-Trichlorobenzene	0.7854 0.8582	0.7504 0.8010	0.8168 0.7757	0.9463	0.9259	Ave	0.8325				8.6		15.0			
Dibromofluoromethane (Surr)	0.3493 0.1746	0.4103 0.1692	0.2389 0.1672	0.2225	0.1912	Lin1	0.3088				0.1676			0.9960		0.9900
1,2-Dichloroethane-d4 (Surr)	++++ 0.2661	++++ 0.2491	0.3821 0.2533	0.3596	0.2961	Lin1	0.8341				0.2475			0.9990		0.9900
Toluene-d8 (Surr)	++++ 1.2337	++++ 1.2073	1.5519 1.1292	1.5295	1.3526	Ave	1.3340				13.0		15.0			
4-Bromofluorobenzene (Surr)	0.7976 0.4048	0.9421 0.3965	0.5552 0.3780	0.5193	0.4548	Lin1	0.7252				0.3852			0.9950		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI

GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-36245-1 Analy Batch No.: 125368

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y
Calibration Start Date: 04/05/2014 07:00 Calibration End Date: 04/05/2014 08:46 Calibration ID: 21606

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-125368/16	UX80345.D
Level 2	STDA9 240-125368/15	UX80344.D
Level 3	STDA9 240-125368/14	UX80343.D
Level 4	STDA9 240-125368/13	UX80342.D
Level 5	STDA9 240-125368/12	UX80341.D
Level 6	STDA9 240-125368/11	UX80340.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	0.0470 0.0492	0.0502	0.0539	0.0490	0.0474	Ave		0.0494			5.0		15.0				
Diisopropyl ether	0.1816 0.2074	0.1934	0.1925	0.1982	0.2064	Ave		0.1966			4.9		15.0				
2-Chloro-1,3-butadiene	0.4483 0.5301	0.4704	0.4699	0.4905	0.5261	Ave		0.4892			6.7		15.0				
Ethyl-t-butyl ether (ETBE)	0.9128 1.0521	0.9606	0.9802	1.0228	1.0398	Ave		0.9947			5.4		15.0				
Ethyl acetate	0.2293 0.2638	0.2417	0.2596	0.2734	0.2531	Ave		0.2535			6.3		15.0				
Propionitrile	0.0568 0.0602	0.0600	0.0630	0.0620	0.0582	Ave		0.0600			3.8		15.0				
Methacrylonitrile	0.2169 0.2313	0.2349	0.2389	0.2409	0.2284	Ave		0.2319			3.7		15.0				
Tert-amyl methyl ether	0.5145 0.6049	0.5366	0.5635	0.5796	0.5902	Ave		0.5649			6.0		15.0				
n-Butanol	0.0140 0.0115	0.0166	0.0126	0.0122	0.0108	Linl	0.6797	0.0112					0.9950				0.9900
Ethyl acrylate	0.3420 0.4222	0.3591	0.3763	0.4394	0.4091	Ave		0.3913			9.7		15.0				
Methyl methacrylate	0.2328 0.2890	0.2534	0.2667	0.3005	0.2862	Ave		0.2714			9.3		15.0				
2-Nitropropane	0.0447 0.0738	0.0474	0.0565	0.0657	0.0656	Linl	-0.400	0.0718					0.9960				0.9900
1-Chlorohexane	0.3278 0.3727	0.3427	0.3143	0.3524	0.3621	Ave		0.3453			6.3		15.0				
Cyclohexanone	0.0206 0.0185	0.0240	0.0191	0.0181	0.0175	Ave		0.0196			12.0		15.0				
1,2,3-Trimethylbenzene	2.3783 2.8607	2.5516	2.6236	2.7027	2.9342	Ave		2.6752			7.6		15.0				

Note: The ml coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-36245-1 Analy Batch No.: 125368

SDG No.: _____

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y
Calibration Start Date: 04/05/2014 07:00 Calibration End Date: 04/05/2014 08:46 Calibration ID: 21606

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								
Benzyl chloride	0.1578 0.3009	0.2245	0.2068	0.2558	0.2873	Lin1	-0.904	0.2969							0.9960		0.9900
1,3,5-Trichlorobenzene	0.7604 0.8961	0.8488	0.8246	0.8333	0.9401	Ave		0.8506				7.3		15.0			
2-Methylnaphthalene	0.9568 1.3771	1.3794	1.4956	1.4693	1.5963	Lin1	-2.787	1.4685							0.9940		0.9900
n-Butyl acetate	0.2633 0.3436	0.3093	0.2970	0.3589	0.3272	Ave		0.3165				11.0		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.: 240-36245-1 *No Samples*
SDG No.: _____
Lab Sample ID: ICV 240-125368/18 Calibration Date: 04/05/2014 09:29
Instrument ID: A3UX8 Calib Start Date: 10/23/2013 08:26
GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 10/23/2013 10:12
Lab File ID: UX80347.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachloroethane	Qua		0.1458			0.0500		50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Lab Sample ID: ICV 240-125368/18 Calibration Date: 04/05/2014 09:29
 Instrument ID: A3UX8 Calib Start Date: 04/05/2014 04:10
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 04/05/2014 06:39
 Lab File ID: UX80347.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
Dibromofluoromethane (Surr)	Lin1		0.1886		0.0544	0.0500	8.8	50.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.2851		0.0542	0.0500	8.5	50.0
Toluene-d8 (Surr)	Ave	1.334	1.277		0.0479	0.0500	-4.3	50.0
4-Bromofluorobenzene (Surr)	Lin1		0.4214		0.0528	0.0500	5.6	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Lab Sample ID: ICV 240-125368/18 Calibration Date: 04/05/2014 09:29
 Instrument ID: A3UX8 Calib Start Date: 04/05/2014 07:00
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 04/05/2014 08:46
 Lab File ID: UX80347.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	0.0494	0.0508		3.50	0.250	2.7	50.0
Diisopropyl ether	Ave	0.1966	0.1950		1.50	0.0250	-0.8	50.0
2-Chloro-1,3-butadiene	Ave	0.4892	0.4752		0.290	0.0250	-2.9	50.0
Ethyl-t-butyl ether (ETBE)	Ave	0.9947	0.9903		0.110	0.0250	-0.4	50.0
Ethyl acetate	Ave	0.2535	0.3597		0.500	0.0500	41.9	50.0
Propionitrile	Ave	0.0600	0.0634		1.20	0.250	5.6	50.0
Methacrylonitrile	Ave	0.2319	0.2402		0.510	0.250	3.6	50.0
Tert-amyl methyl ether	Ave	0.5649	0.5607		0.0670	0.0250	-0.7	50.0
n-Butanol	Linl		0.0120		7.30	0.625	-2.8	50.0
Ethyl acrylate	Ave	0.3913	0.3889		0.250	0.0250	-0.6	50.0
Methyl methacrylate	Ave	0.2714	0.2733		0.490	0.0500	0.7	50.0
2-Nitropropane	Linl		0.0599		0.700	0.0500	-5.4	50.0
Cyclohexanone	Ave	0.0196	0.0183		5.80	0.250	-7.0	50.0
1,2,3-Trimethylbenzene	Ave	2.675	2.616		0.0245	0.0250	-2.2	50.0
Benzyl chloride	Linl		0.2191		0.130	0.0250	-14.0	50.0
1,3,5-Trichlorobenzene	Ave	0.8506	0.8331		0.110	0.0250	-2.1	50.0
2-Methylnaphthalene	Linl		1.245		0.470	0.0500	-11.4	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-36245-1

SDG No.: _____

Lab Sample ID: ICV 240-125368/19 Calibration Date: 04/05/2014 09:50

Instrument ID: A3UX8 Calib Start Date: 04/05/2014 04:10

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 04/05/2014 06:39

Lab File ID: UX80348.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	0.1709	0.1591		0.310	0.0250	-6.9	50.0
Chloromethane	Ave	0.3931	0.3987	0.1000	0.300	0.0250	1.4	50.0
Vinyl chloride	Ave	0.2579	0.2652		0.220	0.0250	2.9	20.0
Butadiene	Ave	0.3279	0.3153		0.0240	0.0250	-3.9	50.0
Bromomethane	Qua		0.1100		0.410	0.0250	12.6	50.0
Chloroethane	Ave	0.1336	0.1442		0.290	0.0250	8.0	50.0
Dichlorofluoromethane	Ave	0.2784	0.2900		0.420	0.0250	4.2	50.0
Trichlorofluoromethane	Ave	0.2158	0.2227		0.210	0.0250	3.2	50.0
Ethyl ether	Ave	0.2510	0.2740		0.310	0.0250	9.2	50.0
Acrolein	Ave	0.0398	0.0443		2.20	0.125	11.4	50.0
1,1-Dichloroethene	Ave	0.1625	0.1680		0.190	0.0250	3.4	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1076	0.1047		0.280	0.0250	-2.7	50.0
Acetone	Qua		0.1204		1.10	0.0500	-0.4	50.0
Iodomethane	Ave	0.2533	0.2731		0.180	0.0250	7.8	50.0
Carbon disulfide	Ave	0.5183	0.5256		0.130	0.0250	1.4	50.0
3-Chloro-1-propene	Ave	0.1006	0.0977		0.350	0.0250	-2.9	50.0
Methyl acetate	Ave	0.2881	0.2700		0.380	0.125	-6.3	50.0
Methylene Chloride	Ave	0.2174	0.2043		0.330	0.0250	-6.1	50.0
tert-Butyl alcohol	Ave	0.0450	0.0404		3.90	0.250	-10.2	50.0
Acrylonitrile	Ave	0.1524	0.1573		2.00	0.250	3.3	50.0
Methyl tert-butyl ether	Ave	0.6066	0.6307		0.170	0.0250	4.0	50.0
trans-1,2-Dichloroethene	Ave	0.2084	0.2154		0.190	0.0250	3.4	50.0
Hexane	Ave	0.0613	0.0502		0.260	0.0250	-18.1	20.0
1,1-Dichloroethane	Ave	0.4727	0.4896	0.1000	0.150	0.0250	3.6	50.0
Vinyl acetate	Ave	0.0281	0.0379		0.190	0.0200	34.8	50.0
2-Butanone (MEK)	Ave	0.1801	0.1768		0.570	0.0500	-1.8	50.0
cis-1,2-Dichloroethene	Ave	0.2286	0.2374		0.170	0.0250	3.9	50.0
2,2-Dichloropropane	Ave	0.1984	0.2028		0.130	0.0250	2.2	50.0
Bromochloromethane	Ave	0.1022	0.1048		0.290	0.0250	2.6	50.0
Tetrahydrofuran	Ave	0.1125	0.1123		0.420	0.0500	-0.2	50.0
Chloroform	Ave	0.3435	0.3530		0.160	0.0250	2.7	20.0
1,1,1-Trichloroethane	Ave	0.2620	0.2788		0.220	0.0250	6.4	50.0
Cyclohexane	Ave	0.5320	0.5425		0.120	0.0250	2.0	50.0
1,1-Dichloropropene	Ave	0.2326	0.2574		0.130	0.0250	10.6	50.0
Carbon tetrachloride	Ave	0.2089	0.2261		0.130	0.0250	8.2	50.0
Isobutyl alcohol	Ave	0.0160	0.0146		8.20	0.625	-8.2	50.0
1,2-Dichloroethane	Ave	0.3591	0.3810		0.220	0.0250	6.1	50.0
Benzene	Ave	0.8121	0.8320		0.130	0.0250	2.5	50.0
n-Heptane	Ave	0.0547	0.0502		0.180	0.0250	-8.2	50.0
Trichloroethene	Ave	0.1981	0.2029		0.170	0.0250	2.4	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton

Job No.: 240-36245-1

SDG No.: _____

Lab Sample ID: ICV 240-125368/19

Calibration Date: 04/05/2014 09:50

Instrument ID: A3UX8

Calib Start Date: 04/05/2014 04:10

GC Column: DB-624 ID: 0.18 (mm)

Calib End Date: 04/05/2014 06:39

Lab File ID: UX80348.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	0.3261	0.3115		0.130	0.0250	-4.5	50.0
1,2-Dichloropropane	Ave	0.2536	0.2685		0.180	0.0250	5.9	20.0
1,4-Dioxane	Ave	0.0024	0.0023		19.0	0.500	-7.2	50.0
Dibromomethane	Ave	0.1151	0.1206		0.280	0.0250	4.7	50.0
Bromodichloromethane	Ave	0.2365	0.2582		0.150	0.0250	9.2	50.0
2-Chloroethyl vinyl ether	Ave	0.1440	0.1504		0.990	0.0300	4.5	50.0
cis-1,3-Dichloropropene	Ave	0.2677	0.3032		0.140	0.0250	13.3	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3299	0.3718		3.20	0.0500	12.7	50.0
Toluene	Ave	1.370	1.471		0.130	0.0250	7.4	20.0
trans-1,3-Dichloropropene	Ave	0.3763	0.4643		0.190	0.0250	23.4	50.0
Ethyl methacrylate	Ave	0.3952	0.4392		0.140	0.0250	11.1	50.0
1,1,2-Trichloroethane	Ave	0.2966	0.3234		0.270	0.0250	9.0	50.0
1,3-Dichloropropane	Ave	0.4744	0.5307		0.160	0.0250	11.9	50.0
Tetrachloroethene	Ave	0.2082	0.2126		0.290	0.0250	2.1	50.0
2-Hexanone	Ave	0.3778	0.3998		0.410	0.0500	5.8	50.0
Dibromochloromethane	Ave	0.2621	0.3006		0.180	0.0250	14.7	50.0
1,2-Dibromoethane	Ave	0.2491	0.2975		0.240	0.0250	19.4	50.0
Chlorobenzene	Ave	0.8428	0.8839	0.3000	0.150	0.0250	4.9	50.0
1,1,1,2-Tetrachloroethane	Ave	0.2768	0.3279		0.230	0.0250	18.5	50.0
Ethylbenzene	Ave	0.4328	0.4494		0.170	0.0250	3.8	20.0
m-Xylene & p-Xylene	Ave	0.5225	0.5416		0.240	0.0250	3.7	50.0
o-Xylene	Ave	0.5030	0.5717		0.140	0.0250	13.6	50.0
Styrene	Ave	0.8072	0.8689		0.110	0.0250	7.6	50.0
Bromoform	Ave	0.1556	0.1614	0.1000	0.640	0.0250	3.7	50.0
Isopropylbenzene	Ave	1.299	1.424		0.130	0.0250	9.7	50.0
1,1,2,2-Tetrachloroethane	Ave	0.8473	0.8850	0.3000	0.180	0.0250	4.5	50.0
1,2,3-Trichloropropane	Ave	0.2748	0.2895		0.430	0.0250	5.3	50.0
Bromobenzene	Ave	0.7102	0.7317		0.130	0.0250	3.0	50.0
trans-1,4-Dichloro-2-butene	Ave	0.3616	0.4091		0.150	0.0250	13.1	50.0
N-Propylbenzene	Ave	0.8370	0.7967		0.140	0.0250	-4.8	50.0
2-Chlorotoluene	Ave	0.7355	0.7396		0.110	0.0250	0.6	50.0
1,3,5-Trimethylbenzene	Ave	2.565	2.602		0.0960	0.0250	1.4	50.0
4-Chlorotoluene	Ave	0.7264	0.7403		0.180	0.0250	1.9	50.0
tert-Butylbenzene	Ave	2.298	2.334		0.130	0.0250	1.6	50.0
1,2,4-Trimethylbenzene	Ave	2.645	2.702		0.120	0.0250	2.2	50.0
sec-Butylbenzene	Ave	3.295	3.256		0.130	0.0250	-1.2	50.0
1,3-Dichlorobenzene	Ave	1.419	1.382		0.140	0.0250	-2.6	50.0
p-Isopropyltoluene	Ave	2.693	2.670		0.120	0.0250	-0.8	50.0
1,4-Dichlorobenzene	Ave	1.479	1.425		0.130	0.0250	-3.6	50.0
n-Butylbenzene	Ave	2.597	2.371		0.120	0.0250	-8.7	50.0
1,2-Dichlorobenzene	Ave	1.424	1.476		0.130	0.0250	3.7	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Lab Sample ID: ICV 240-125368/19 Calibration Date: 04/05/2014 09:50
 Instrument ID: A3UX8 Calib Start Date: 04/05/2014 04:10
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 04/05/2014 06:39
 Lab File ID: UX80348.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	Ave	0.1398	0.1562		0.670	0.0250	11.8	50.0
1,2,4-Trichlorobenzene	Ave	0.8143	0.8211		0.150	0.0250	0.8	50.0
Hexachlorobutadiene	Ave	0.4195	0.3911		0.300	0.0250	-6.8	50.0
Naphthalene	Ave	2.488	2.655		0.240	0.0250	6.7	50.0
1,2,3-Trichlorobenzene	Ave	0.8325	0.8391		0.170	0.0250	0.8	50.0
Dibromofluoromethane (Surr)	Linl		0.1895		0.0547	0.0500	9.3	50.0
1,2-Dichloroethane-d4 (Surr)	Linl		0.2795		0.0531	0.0500	6.2	50.0
Toluene-d8 (Surr)	Ave	1.334	1.334		0.0500	0.0500	-0.0	50.0
4-Bromofluorobenzene (Surr)	Linl		0.4204		0.0527	0.0500	5.4	50.0

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-36245-1
SDG No.: _____
Lab File ID: BFB8504.D BFB Injection Date: 04/19/2014
Instrument ID: A3UX8 BFB Injection Time: 02:23
Analysis Batch No.: 127149

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	24.6
75	30.0 - 60.0 % of mass 95	43.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.6
173	Less than 2.0 % of mass 174	0.5 (0.7)1
174	50.0 - 120.00 % of mass 95	67.9
175	5.0 - 9.0 % of mass 174	4.7 (6.9)1
176	95.0 - 101.0 % of mass 174	64.5 (95.0)1
177	5.0 - 9.0 % of mass 176	3.7 (5.8)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 240-127149/3	UX80563.D	04/19/2014	03:00
	CCV 240-127149/4	UX80564.D	04/19/2014	03:21
	LCS 240-127149/5	UX80565.D	04/19/2014	03:43
	MB 240-126981/1-A	UX80572.D	04/19/2014	06:12
MRC-E-SB-1361-35	240-36245-5	UX80574.D	04/19/2014	06:54
	MB 240-126978/1-A	UX80585.D	04/19/2014	10:48
	LCS 240-126978/2-A	UX80586.D	04/19/2014	11:09
MRC-E-SB-1361-15	240-36245-1	UX80587.D	04/19/2014	11:30
MRC-E-SB-1361-20	240-36245-2	UX80588.D	04/19/2014	11:51
MRC-E-SB-1361-25	240-36245-3	UX80589.D	04/19/2014	12:12
MRC-E-SB-1361-30	240-36245-4	UX80590.D	04/19/2014	12:34

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-36245-1

SDG No.: _____

Lab Sample ID: CCVIS 240-127149/3 Calibration Date: 04/19/2014 03:00

Instrument ID: A3UX8 Calib Start Date: 04/05/2014 04:10

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 04/05/2014 06:39

Lab File ID: UX80563.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	0.1709	0.1754		0.310	0.0200	2.6	50.0
Chloromethane	Ave	0.3931	0.3430	0.1000	0.300	0.0200	-12.8	50.0
Vinyl chloride	Ave	0.2579	0.2330		0.220	0.0200	-9.7	20.0
Butadiene	Ave	0.3279	0.2949		0.0180	0.0200	-10.1	50.0
Bromomethane	Qua		0.1035		0.410	0.0200	2.3	50.0
Chloroethane	Ave	0.1336	0.1275		0.290	0.0200	-4.6	50.0
Dichlorofluoromethane	Ave	0.2784	0.2578		0.420	0.0200	-7.4	50.0
Trichlorofluoromethane	Ave	0.2158	0.1989		0.210	0.0200	-7.9	50.0
Ethyl ether	Ave	0.2510	0.2171		0.310	0.0200	-13.5	50.0
Acrolein	Ave	0.0398	0.0370		2.20	0.100	-7.0	50.0
1,1-Dichloroethene	Ave	0.1625	0.1555		0.190	0.0200	-4.3	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1076	0.1097		0.280	0.0200	2.0	50.0
Acetone	Qua		0.1084		1.10	0.0400	-16.3	50.0
Iodomethane	Ave	0.2533	0.2409		0.180	0.0200	-4.9	50.0
Carbon disulfide	Ave	0.5183	0.4607		0.130	0.0200	-11.1	50.0
3-Chloro-1-propene	Ave	0.1006	0.0916		0.350	0.0200	-9.0	50.0
Methyl acetate	Ave	0.2881	0.2413		0.380	0.100	-16.2	50.0
Methylene Chloride	Ave	0.2174	0.2049		0.330	0.0200	-5.8	50.0
tert-Butyl alcohol	Ave	0.0450	0.0314		3.90	0.200	-30.2	50.0
Acrylonitrile	Ave	0.1524	0.1309		2.00	0.200	-14.1	50.0
Methyl tert-butyl ether	Ave	0.6066	0.5338		0.170	0.0200	-12.0	50.0
trans-1,2-Dichloroethene	Ave	0.2084	0.2059		0.190	0.0200	-1.2	50.0
Hexane	Ave	0.0613	0.0538		0.260	0.0200	-12.3	20.0
1,1-Dichloroethane	Ave	0.4727	0.4267	0.1000	0.150	0.0200	-9.7	50.0
Vinyl acetate	Ave	0.0281	0.0263		0.190	0.0192	-6.5	50.0
2-Butanone (MEK)	Ave	0.1801	0.1508		0.570	0.0400	-16.3	50.0
cis-1,2-Dichloroethene	Ave	0.2286	0.2201		0.170	0.0200	-3.7	50.0
2,2-Dichloropropane	Ave	0.1984	0.1964		0.130	0.0200	-1.0	50.0
Bromochloromethane	Ave	0.1022	0.0945		0.290	0.0200	-7.5	50.0
Tetrahydrofuran	Ave	0.1125	0.0963		0.420	0.0400	-14.4	50.0
Chloroform	Ave	0.3435	0.3090		0.160	0.0200	-10.0	20.0
1,1,1-Trichloroethane	Ave	0.2620	0.2511		0.220	0.0200	-4.2	50.0
Cyclohexane	Ave	0.5320	0.4832		0.120	0.0200	-9.2	50.0
1,1-Dichloropropene	Ave	0.2326	0.2268		0.130	0.0200	-2.5	50.0
Carbon tetrachloride	Ave	0.2089	0.1936		0.130	0.0200	-7.3	50.0
Isobutyl alcohol	Ave	0.0160	0.0118		8.20	0.500	-26.2	50.0
1,2-Dichloroethane	Ave	0.3591	0.2959		0.220	0.0200	-17.6	50.0
Benzene	Ave	0.8121	0.7889		0.130	0.0200	-2.9	50.0
n-Heptane	Ave	0.0547	0.0575		0.180	0.0200	5.2	50.0
Trichloroethene	Ave	0.1981	0.1815		0.170	0.0200	-8.4	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-36245-1

SDG No.: _____

Lab Sample ID: CCVIS 240-127149/3 Calibration Date: 04/19/2014 03:00

Instrument ID: A3UX8 Calib Start Date: 04/05/2014 04:10

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 04/05/2014 06:39

Lab File ID: UX80563.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	0.3261	0.3269		0.130	0.0200	0.2	50.0
1,2-Dichloropropane	Ave	0.2536	0.2339		0.180	0.0200	-7.8	20.0
1,4-Dioxane	Ave	0.0024	0.0021		19.0	0.400	-12.2	50.0
Dibromomethane	Ave	0.1151	0.1077		0.280	0.0200	-6.5	50.0
Bromodichloromethane	Ave	0.2365	0.2143		0.150	0.0200	-9.4	50.0
2-Chloroethyl vinyl ether	Ave	0.1440	0.1159		0.990	0.0400	-19.5	50.0
cis-1,3-Dichloropropene	Ave	0.2677	0.2406		0.140	0.0200	-10.1	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3299	0.2783		0.320	0.0400	-15.6	50.0
Toluene	Ave	1.370	1.323		0.130	0.0200	-3.4	20.0
trans-1,3-Dichloropropene	Ave	0.3763	0.3216		0.190	0.0200	-14.5	50.0
Ethyl methacrylate	Ave	0.3952	0.3388		0.140	0.0200	-14.3	50.0
1,1,2-Trichloroethane	Ave	0.2966	0.2615		0.270	0.0200	-11.9	50.0
1,3-Dichloropropane	Ave	0.4744	0.4344		0.160	0.0200	-8.4	50.0
Tetrachloroethene	Ave	0.2082	0.2128		0.290	0.0200	2.2	50.0
2-Hexanone	Ave	0.3778	0.3089		0.410	0.0400	-18.2	50.0
Dibromochloromethane	Ave	0.2621	0.2269		0.180	0.0200	-13.5	50.0
1,2-Dibromoethane	Ave	0.2491	0.2305		0.240	0.0200	-7.5	50.0
Chlorobenzene	Ave	0.8428	0.7678	0.3000	0.150	0.0200	-8.9	50.0
1,1,1,2-Tetrachloroethane	Ave	0.2768	0.2500		0.230	0.0200	-9.7	50.0
Ethylbenzene	Ave	0.4328	0.4156		0.170	0.0200	-4.0	20.0
m-Xylene & p-Xylene	Ave	0.5225	0.5048		0.240	0.0200	-3.4	50.0
o-Xylene	Ave	0.5030	0.4966		0.140	0.0200	-1.3	50.0
Styrene	Ave	0.8072	0.7723		0.110	0.0200	-4.3	50.0
Bromoform	Ave	0.1556	0.1147	0.1000	0.640	0.0200	-26.3	50.0
Isopropylbenzene	Ave	1.299	1.279		0.310	0.0200	-1.5	50.0
1,1,2,2-Tetrachloroethane	Ave	0.8473	0.7423	0.3000	0.180	0.0200	-12.4	50.0
Bromobenzene	Ave	0.7102	0.6390		0.130	0.0200	-10.0	50.0
1,2,3-Trichloropropane	Ave	0.2748	0.2252		0.430	0.0200	-18.1	50.0
trans-1,4-Dichloro-2-butene	Ave	0.3616	0.2733		0.150	0.0200	-24.4	50.0
N-Propylbenzene	Ave	0.8370	0.8015		0.140	0.0200	-4.2	50.0
2-Chlorotoluene	Ave	0.7355	0.6789		0.110	0.0200	-7.7	50.0
1,3,5-Trimethylbenzene	Ave	2.565	2.398		0.0960	0.0200	-6.5	50.0
4-Chlorotoluene	Ave	0.7264	0.6886		0.180	0.0200	-5.2	50.0
tert-Butylbenzene	Ave	2.298	1.981		0.130	0.0200	-13.8	50.0
1,2,4-Trimethylbenzene	Ave	2.645	2.485		0.120	0.0200	-6.1	50.0
sec-Butylbenzene	Ave	3.295	3.086		0.130	0.0200	-6.3	50.0
1,3-Dichlorobenzene	Ave	1.419	1.244		0.140	0.0200	-12.3	50.0
p-Isopropyltoluene	Ave	2.693	2.580		0.0192	0.0200	-4.2	50.0
1,4-Dichlorobenzene	Ave	1.479	1.323		0.130	0.0200	-10.6	50.0
n-Butylbenzene	Ave	2.597	2.401		0.120	0.0200	-7.5	50.0
1,2-Dichlorobenzene	Ave	1.424	1.247		0.130	0.0200	-12.4	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Lab Sample ID: CCVIS 240-127149/3 Calibration Date: 04/19/2014 03:00
 Instrument ID: A3UX8 Calib Start Date: 04/05/2014 04:10
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 04/05/2014 06:39
 Lab File ID: UX80563.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	Ave	0.1398	0.1154		0.670	0.0200	-17.4	50.0
1,2,4-Trichlorobenzene	Ave	0.8143	0.7426		0.150	0.0200	-8.8	50.0
Hexachlorobutadiene	Ave	0.4195	0.3738		0.300	0.0200	-10.9	50.0
Naphthalene	Ave	2.488	2.082		0.240	0.0200	-16.3	50.0
1,2,3-Trichlorobenzene	Ave	0.8325	0.7161		0.170	0.0200	-14.0	50.0
Dibromofluoromethane (Surr)	Lin1		0.1544		0.0442	0.0500	-11.6	50.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.2114		0.0393	0.0500	-21.3	50.0
Toluene-d8 (Surr)	Ave	1.334	1.086		0.0407	0.0500	-18.6	50.0
4-Bromofluorobenzene (Surr)	Lin1		0.3480		0.0433	0.0500	-13.4	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-36245-1
SDG No.: _____
Lab Sample ID: CCV 240-127149/4 Calibration Date: 04/19/2014 03:21
Instrument ID: A3UX8 Calib Start Date: 10/23/2013 08:26
GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 10/23/2013 10:12
Lab File ID: UX80564.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachloroethane	Qua		0.2818			0.0400		50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Lab Sample ID: CCV 240-127149/4 Calibration Date: 04/19/2014 03:21
 Instrument ID: A3UX8 Calib Start Date: 04/05/2014 07:00
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 04/05/2014 08:46
 Lab File ID: UX80564.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	0.0494	0.0449		3.50	0.200	-9.1	50.0
Diisopropyl ether	Ave	0.1966	0.1633		1.50	0.0200	-16.9	50.0
2-Chloro-1,3-butadiene	Ave	0.4892	0.4101		0.290	0.0200	-16.2	50.0
Ethyl-t-butyl ether (ETBE)	Ave	0.9947	0.7801		0.110	0.0200	-21.6	50.0
Ethyl acetate	Ave	0.2535	0.2167		0.500	0.0400	-14.5	50.0
Propionitrile	Ave	0.0600	0.0503		1.20	0.200	-16.3	50.0
Methacrylonitrile	Ave	0.2319	0.1960		0.510	0.200	-15.5	50.0
Tert-amyl methyl ether	Ave	0.5649	0.4649		0.0670	0.0200	-17.7	50.0
n-Butanol	Lin1		0.0086		7.30	0.500	-35.2	50.0
Ethyl acrylate	Ave	0.3913	0.3121		0.250	0.0200	-20.2	50.0
Methyl methacrylate	Ave	0.2714	0.2203		0.490	0.0400	-18.8	50.0
2-Nitropropane	Lin1		0.0440		0.700	0.0400	-24.8	50.0
1-Chlorohexane	Ave	0.3453	0.3099		0.160	0.0200	-10.3	50.0
Cyclohexanone	Ave	0.0196	0.0120		5.80	0.200	-38.8	50.0
1,2,3-Trimethylbenzene	Ave	2.675	2.464		0.0184	0.0200	-7.9	50.0
Benzyl chloride	Lin1		0.2027		0.110	0.0200	-16.5	50.0
1,3,5-Trichlorobenzene	Ave	0.8506	0.8258		0.110	0.0200	-2.9	50.0
2-Methylnaphthalene	Lin1		1.102		0.470	0.0400	-20.2	50.0

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-36245-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: UX80565.D
Lab ID: LCS 240-127149/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	25.0	23.9	96	80-120	
1,1,1-Trichloroethane	25.0	24.2	97	77-126	
1,1,2,2-Tetrachloroethane	25.0	22.5	90	77-123	
1,1,2-Trichloro-1,2,2-trifluor oethane	25.0	24.7	99	80-138	
1,1-Dichloroethane	25.0	23.3	93	76-120	
1,1-Dichloroethene	25.0	23.7	95	75-135	
1,1-Dichloropropene	25.0	26.6	106	80-120	
1,2,3-Trichlorobenzene	25.0	21.2	85	61-121	
1,2,3-Trichloropropane	25.0	22.3	89	80-126	
1,2,4-Trichlorobenzene	25.0	22.3	89	64-124	
1,2,4-Trimethylbenzene	25.0	23.8	95	80-129	
1,2-Dibromo-3-Chloropropane	25.0	20.1	80	61-132	
1,2-Dichlorobenzene	25.0	22.3	89	76-120	
1,2-Dichloroethane	25.0	21.8	87	72-120	
1,2-Dichloropropane	25.0	24.1	96	80-120	
1,3-Dichlorobenzene	25.0	22.5	90	78-120	
1,3-Dichloropropane	25.0	23.7	95	80-120	
1,4-Dichlorobenzene	25.0	21.9	88	75-120	
2,2-Dichloropropane	25.0	24.3	97	69-135	
2-Chloroethyl vinyl ether	30.0	25.7 J	86	28-173	
2-Chlorotoluene	25.0	23.5	94	78-120	
2-Hexanone	50.0	42.6	85	64-136	
Bromobenzene	25.0	23.5	94	80-120	
Bromochloromethane	25.0	23.0	92	79-120	
4-Chlorotoluene	25.0	24.1	96	79-120	
p-Isopropyltoluene	25.0	24.5	98	77-131	
Acetone	50.0	44.1	88	41-137	
Benzene	25.0	25.0	100	79-120	
Bromoform	25.0	20.2	81	62-133	
Bromomethane	25.0	23.3	93	42-136	
Carbon disulfide	25.0	23.3	93	62-146	
Carbon tetrachloride	25.0	24.3	97	71-129	
Chlorobenzene	25.0	23.3	93	78-120	
Chloroethane	25.0	22.2	89	58-120	
Chloroform	25.0	23.0	92	77-120	
Chloromethane	25.0	20.2	81	50-120	
cis-1,2-Dichloroethene	25.0	24.4	98	76-120	
cis-1,3-Dichloropropene	25.0	24.9	100	74-128	
Hexachlorobutadiene	25.0	22.0	88	54-131	
Dibromomethane	25.0	24.1	96	80-120	
Bromodichloromethane	25.0	23.1	92	80-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: UX80565.D
 Lab ID: LCS 240-127149/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	25.0	20.1	80	26-120	
Ethylbenzene	25.0	24.2	97	79-120	
1,2-Dibromoethane	25.0	24.5	98	80-120	
Naphthalene	25.0	21.9	88	65-123	
m-Xylene & p-Xylene	25.0	24.2	97	80-120	
n-Butylbenzene	25.0	23.5	94	68-135	
Isopropylbenzene	25.0	25.1	101	76-122	
N-Propylbenzene	25.0	23.9	96	80-129	
2-Butanone (MEK)	50.0	43.0	86	52-131	
4-Methyl-2-pentanone (MIBK)	50.0	44.3	89	67-135	
sec-Butylbenzene	25.0	24.2	97	74-129	
Methyl tert-butyl ether	25.0	23.4	93	49-165	
Methylene Chloride	25.0	24.2	97	75-120	
o-Xylene	25.0	25.5	102	80-120	
Styrene	25.0	24.2	97	80-120	
tert-Butylbenzene	25.0	23.6	94	76-126	
Tetrachloroethene	25.0	24.7	99	79-120	
Toluene	25.0	24.5	98	75-120	
trans-1,2-Dichloroethene	25.0	26.0	104	78-120	
trans-1,3-Dichloropropene	25.0	24.8	99	73-131	
Trichloroethene	25.0	24.0	96	79-120	
Trichlorofluoromethane	25.0	21.9	87	57-146	
Vinyl acetate	20.0	30.4	152	70-130	*
Vinyl chloride	25.0	21.6	86	57-120	
tert-Butyl alcohol	250	167 J	67	60-125	
Xylenes, Total	50.0	49.7	99	80-120	
Dibromochloromethane	25.0	23.2	93	72-127	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-36245-1
SDG No.: _____
Lab File ID: UX80572.D Lab Sample ID: MB 240-126981/1-A
Matrix: Solid Heated Purge: (Y/N) Y
Instrument ID: A3UX8 Date Analyzed: 04/19/2014 06:12
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
MRC-E-SB-1361-35	240-36245-5	UX80574.D	04/19/2014 06:54

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36245-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 240-126981/1-A

Matrix: Solid Lab File ID: UX80572.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5.00(g) Date Analyzed: 04/19/2014 06:12

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.: 127149 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.62	U	5.0	0.62
71-55-6	1,1,1-Trichloroethane	0.56	U	5.0	0.56
79-34-5	1,1,2,2-Tetrachloroethane	0.34	U	5.0	0.34
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.3	U	5.0	1.3
75-34-3	1,1-Dichloroethane	0.36	U	5.0	0.36
75-35-4	1,1-Dichloroethene	0.52	U	5.0	0.52
563-58-6	1,1-Dichloropropene	0.30	U	5.0	0.30
87-61-6	1,2,3-Trichlorobenzene	0.38	U	5.0	0.38
96-18-4	1,2,3-Trichloropropane	0.90	U	5.0	0.90
526-73-8	1,2,3-Trimethylbenzene	0.17	U	5.0	0.17
120-82-1	1,2,4-Trichlorobenzene	0.27	U	5.0	0.27
95-63-6	1,2,4-Trimethylbenzene	0.65	U	5.0	0.65
96-12-8	1,2-Dibromo-3-Chloropropane	1.3	U	10	1.3
95-50-1	1,2-Dichlorobenzene	0.36	U	5.0	0.36
107-06-2	1,2-Dichloroethane	0.34	U	5.0	0.34
78-87-5	1,2-Dichloropropane	0.69	U	5.0	0.69
541-73-1	1,3-Dichlorobenzene	0.35	U	5.0	0.35
142-28-9	1,3-Dichloropropane	0.34	U	5.0	0.34
106-46-7	1,4-Dichlorobenzene	0.66	U	5.0	0.66
594-20-7	2,2-Dichloropropane	0.94	U	5.0	0.94
110-75-8	2-Chloroethyl vinyl ether	1.4	U	50	1.4
95-49-8	2-Chlorotoluene	0.40	U	5.0	0.40
591-78-6	2-Hexanone	0.63	U	20	0.63
108-86-1	Bromobenzene	0.33	U	5.0	0.33
74-97-5	Bromochloromethane	0.71	U	5.0	0.71
106-43-4	4-Chlorotoluene	0.41	U	5.0	0.41
99-87-6	p-Isopropyltoluene	0.21	U	5.0	0.21
67-64-1	Acetone	6.3	U	20	6.3
71-43-2	Benzene	0.23	U	5.0	0.23
75-25-2	Bromoform	0.33	U	5.0	0.33
74-83-9	Bromomethane	0.54	U	5.0	0.54
75-15-0	Carbon disulfide	0.44	U	5.0	0.44
56-23-5	Carbon tetrachloride	0.37	U	5.0	0.37
108-90-7	Chlorobenzene	0.33	U	5.0	0.33
75-00-3	Chloroethane	0.86	U	5.0	0.86

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 240-126981/1-A
 Matrix: Solid Lab File ID: UX80572.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5.00(g) Date Analyzed: 04/19/2014 06:12
 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.: 127149 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.29	U	5.0	0.29
74-87-3	Chloromethane	0.41	U	5.0	0.41
156-59-2	cis-1,2-Dichloroethene	0.36	U	5.0	0.36
10061-01-5	cis-1,3-Dichloropropene	0.34	U	5.0	0.34
87-68-3	Hexachlorobutadiene	1.2	U	5.0	1.2
74-95-3	Dibromomethane	0.63	U	5.0	0.63
75-27-4	Bromodichloromethane	0.28	U	5.0	0.28
75-71-8	Dichlorodifluoromethane	0.50	U	5.0	0.50
100-41-4	Ethylbenzene	0.26	U	5.0	0.26
106-93-4	1,2-Dibromoethane	0.50	U	5.0	0.50
108-20-3	Diisopropyl ether	1.5	U	10	1.5
91-20-3	Naphthalene	0.19	U	5.0	0.19
179601-23-1	m-Xylene & p-Xylene	1.2	U	10	1.2
104-51-8	n-Butylbenzene	0.23	U	5.0	0.23
98-82-8	Isopropylbenzene	0.16	U	5.0	0.16
103-65-1	N-Propylbenzene	0.40	U	5.0	0.40
78-93-3	2-Butanone (MEK)	1.4	U	20	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	0.54	U	20	0.54
135-98-8	sec-Butylbenzene	0.18	U	5.0	0.18
1634-04-4	Methyl tert-butyl ether	0.43	U	5.0	0.43
994-05-8	Tert-amyl methyl ether	0.37	U	5.0	0.37
75-09-2	Methylene Chloride	0.836	J	5.0	0.67
95-47-6	o-Xylene	0.35	U	5.0	0.35
100-42-5	Styrene	0.15	U	5.0	0.15
637-92-3	Ethyl-t-butyl ether (ETBE)	0.22	U	5.0	0.22
98-06-6	tert-Butylbenzene	0.29	U	5.0	0.29
127-18-4	Tetrachloroethene	0.52	U	5.0	0.52
108-88-3	Toluene	0.27	U	5.0	0.27
156-60-5	trans-1,2-Dichloroethene	0.41	U	5.0	0.41
10061-02-6	trans-1,3-Dichloropropene	0.54	U	5.0	0.54
79-01-6	Trichloroethene	0.42	U	5.0	0.42
75-69-4	Trichlorofluoromethane	0.34	U	5.0	0.34
108-05-4	Vinyl acetate	0.25	U	10	0.25
75-01-4	Vinyl chloride	0.39	U	5.0	0.39
75-65-0	tert-Butyl alcohol	7.6	U	200	7.6
1330-20-7	Xylenes, Total	0.35	U	10	0.35

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 240-126981/1-A
 Matrix: Solid Lab File ID: UX80572.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5.00(g) Date Analyzed: 04/19/2014 06:12
 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.: 127149 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.55	U	5.0	0.55

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		58-123
460-00-4	4-Bromofluorobenzene (Surr)	93		52-136
2037-26-5	Toluene-d8 (Surr)	90		67-125
1868-53-7	Dibromofluoromethane (Surr)	101		37-132

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

Lab Name: TestAmerica Canton Job No.: 240-36245-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 240-126981/1-A
Matrix: Solid Lab File ID: UX80572.D
Analysis Method: 8260B Date Collected: _____
Sample wt/vol: 5.00(g) Date Analyzed: 04/19/2014 06:12
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.: 127149 Units: ug/Kg
Number TICs Found: 0 TIC Result Total: 0

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

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-36245-1
SDG No.: _____
Lab File ID: UX80585.D Lab Sample ID: MB 240-126978/1-A
Matrix: Solid Heated Purge: (Y/N) Y
Instrument ID: A3UX8 Date Analyzed: 04/19/2014 10:48
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 240-126978/2-A	UX80586.D	04/19/2014 11:09
MRC-E-SB-1361-15	240-36245-1	UX80587.D	04/19/2014 11:30
MRC-E-SB-1361-20	240-36245-2	UX80588.D	04/19/2014 11:51
MRC-E-SB-1361-25	240-36245-3	UX80589.D	04/19/2014 12:12
MRC-E-SB-1361-30	240-36245-4	UX80590.D	04/19/2014 12:34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36245-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 240-126978/1-A

Matrix: Solid Lab File ID: UX80585.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5.00(g) Date Analyzed: 04/19/2014 10:48

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.: 127149 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	9.1	U	250	9.1
71-55-6	1,1,1-Trichloroethane	21	U	250	21
79-34-5	1,1,2,2-Tetrachloroethane	8.9	U	250	8.9
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	39	U	250	39
75-34-3	1,1-Dichloroethane	17	U	250	17
75-35-4	1,1-Dichloroethene	18	U	250	18
563-58-6	1,1-Dichloropropene	10	U	250	10
87-61-6	1,2,3-Trichlorobenzene	10	U	250	10
96-18-4	1,2,3-Trichloropropane	21	U	250	21
526-73-8	1,2,3-Trimethylbenzene	0.17	U	250	0.17
120-82-1	1,2,4-Trichlorobenzene	7.3	U	250	7.3
95-63-6	1,2,4-Trimethylbenzene	5.0	U	250	5.0
96-12-8	1,2-Dibromo-3-Chloropropane	50	U	500	50
95-50-1	1,2-Dichlorobenzene	8.6	U	250	8.6
107-06-2	1,2-Dichloroethane	10	U	250	10
78-87-5	1,2-Dichloropropane	8.2	U	250	8.2
541-73-1	1,3-Dichlorobenzene	4.8	U	250	4.8
142-28-9	1,3-Dichloropropane	22	U	250	22
106-46-7	1,4-Dichlorobenzene	8.0	U	250	8.0
594-20-7	2,2-Dichloropropane	23	U	250	23
110-75-8	2-Chloroethyl vinyl ether	43	U	1000	43
95-49-8	2-Chlorotoluene	9.0	U	250	9.0
591-78-6	2-Hexanone	20	U	1000	20
108-86-1	Bromobenzene	13	U	250	13
74-97-5	Bromochloromethane	13	U	250	13
106-43-4	4-Chlorotoluene	9.9	U	250	9.9
99-87-6	p-Isopropyltoluene	4.8	U	250	4.8
67-64-1	Acetone	170	U	1000	170
71-43-2	Benzene	12	U	250	12
75-25-2	Bromoform	19	U	250	19
74-83-9	Bromomethane	29	U	250	29
75-15-0	Carbon disulfide	12	U	250	12
56-23-5	Carbon tetrachloride	6.4	U	250	6.4
108-90-7	Chlorobenzene	6.4	U	250	6.4
75-00-3	Chloroethane	61	U	250	61

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 240-126978/1-A
 Matrix: Solid Lab File ID: UX80585.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5.00(g) Date Analyzed: 04/19/2014 10:48
 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.: 127149 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	8.8	U	250	8.8
74-87-3	Chloromethane	14	U	250	14
156-59-2	cis-1,2-Dichloroethene	6.9	U	250	6.9
10061-01-5	cis-1,3-Dichloropropene	7.9	U	250	7.9
87-68-3	Hexachlorobutadiene	14	U	250	14
74-95-3	Dibromomethane	14	U	250	14
75-27-4	Bromodichloromethane	9.9	U	250	9.9
75-71-8	Dichlorodifluoromethane	16	U	250	16
100-41-4	Ethylbenzene	5.4	U	250	5.4
106-93-4	1,2-Dibromoethane	10	U	250	10
108-20-3	Diisopropyl ether	50	U	500	50
91-20-3	Naphthalene	6.7	U	250	6.7
179601-23-1	m-Xylene & p-Xylene	6.2	U	250	6.2
104-51-8	n-Butylbenzene	8.0	U	250	8.0
98-82-8	Isopropylbenzene	6.5	U	250	6.5
103-65-1	N-Propylbenzene	14	U	250	14
78-93-3	2-Butanone (MEK)	43	U	1000	43
108-10-1	4-Methyl-2-pentanone (MIBK)	48	U	1000	48
135-98-8	sec-Butylbenzene	4.7	U	250	4.7
1634-04-4	Methyl tert-butyl ether	7.1	U	250	7.1
994-05-8	Tert-amyl methyl ether	0.37	U	250	0.37
75-09-2	Methylene Chloride	126	U	250	77
95-47-6	o-Xylene	8.5	U	250	8.5
100-42-5	Styrene	5.6	U	250	5.6
637-92-3	Ethyl-t-butyl ether (ETBE)	0.22	U	250	0.22
98-06-6	tert-Butylbenzene	6.5	U	250	6.5
127-18-4	Tetrachloroethene	12	U	250	12
108-88-3	Toluene	17	U	250	17
156-60-5	trans-1,2-Dichloroethene	9.2	U	250	9.2
10061-02-6	trans-1,3-Dichloropropene	20	U	250	20
79-01-6	Trichloroethene	9.7	U	250	9.7
75-69-4	Trichlorofluoromethane	16	U	250	16
108-05-4	Vinyl acetate	23	U	500	23
75-01-4	Vinyl chloride	18	U	250	18
75-65-0	tert-Butyl alcohol	240	U	10000	240
1330-20-7	Xylenes, Total	6.2	U	500	6.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 240-126978/1-A
 Matrix: Solid Lab File ID: UX80585.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5.00(g) Date Analyzed: 04/19/2014 10:48
 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.: 127149 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	12	U	250	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		39-128
460-00-4	4-Bromofluorobenzene (Surr)	92		26-141
2037-26-5	Toluene-d8 (Surr)	80		33-134
1868-53-7	Dibromofluoromethane (Surr)	90		30-122

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

Lab Name: TestAmerica Canton Job No.: 240-36245-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 240-126978/1-A
Matrix: Solid Lab File ID: UX80585.D
Analysis Method: 8260B Date Collected: _____
Sample wt/vol: 5.00(g) Date Analyzed: 04/19/2014 10:48
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.: 127149 Units: ug/Kg
Number TICs Found: 0 TIC Result Total: 0

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

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-36245-1
SDG No.: _____
Matrix: Solid Level: Medium Lab File ID: UX80586.D
Lab ID: LCS 240-126978/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	1000	902	90	27-121	
1,1,1-Trichloroethane	1000	786	79	38-122	
1,1,2,2-Tetrachloroethane	1000	798	80	54-121	
1,1,2-Trichloro-1,2,2-trifluor oethane	1000	813	81	48-151	
1,1-Dichloroethane	1000	869	87	63-120	
1,1-Dichloroethene	1000	791	79	44-143	
1,1-Dichloropropene	1000	918	92	60-123	
1,2,3-Trichlorobenzene	1000	798	80	43-129	
1,2,3-Trichloropropane	1000	799	80	74-124	
1,2,4-Trichlorobenzene	1000	749	75	41-135	
1,2,4-Trimethylbenzene	1000	877	88	62-133	
1,2-Dibromo-3-Chloropropane	1000	653	65	10-129	
1,2-Dichlorobenzene	1000	881	88	68-120	
1,2-Dichloroethane	1000	856	86	68-120	
1,2-Dichloropropane	1000	923	92	73-120	
1,3-Dichlorobenzene	1000	852	85	66-121	
1,3-Dichloropropane	1000	956	96	74-120	
1,4-Dichlorobenzene	1000	856	86	65-120	
2,2-Dichloropropane	1000	714	71	25-123	
2-Chloroethyl vinyl ether	1200	961 J	80	25-140	
2-Chlorotoluene	1000	874	87	68-122	
2-Hexanone	2000	1510	76	43-130	
Bromobenzene	1000	924	92	72-120	
Bromochloromethane	1000	992	99	56-128	
4-Chlorotoluene	1000	880	88	68-122	
p-Isopropyltoluene	1000	847	85	56-136	
Acetone	2000	1410	70	16-156	
Benzene	1000	931	93	70-120	
Bromoform	1000	650	65	10-120	
Bromomethane	1000	280	28	10-120	
Carbon disulfide	1000	589	59	10-132	
Carbon tetrachloride	1000	777	78	29-120	
Chlorobenzene	1000	936	94	71-120	
Chloroethane	1000	450	45	10-120	
Chloroform	1000	907	91	63-120	
Chloromethane	1000	597	60	25-120	
cis-1,2-Dichloroethene	1000	959	96	60-125	
cis-1,3-Dichloropropene	1000	875	87	25-120	
Hexachlorobutadiene	1000	817	82	34-135	
Dibromomethane	1000	929	93	68-120	
Bromodichloromethane	1000	787	79	28-123	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Matrix: Solid Level: Medium Lab File ID: UX80586.D
 Lab ID: LCS 240-126978/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	1000	376	38	10-120	
Ethylbenzene	1000	911	91	66-120	
1,2-Dibromoethane	1000	1010	101	47-123	
Naphthalene	1000	775	77	37-126	
m-Xylene & p-Xylene	1000	930	93	67-120	
n-Butylbenzene	1000	786	79	51-137	
Isopropylbenzene	1000	934	93	61-123	
N-Propylbenzene	1000	874	87	64-130	
2-Butanone (MEK)	2000	1560	78	10-199	
4-Methyl-2-pentanone (MIBK)	2000	1530	77	49-121	
sec-Butylbenzene	1000	855	86	58-131	
Methyl tert-butyl ether	1000	916	92	34-157	
Methylene Chloride	1000	1020	102	27-172	
o-Xylene	1000	991	99	68-120	
Styrene	1000	937	94	60-120	
tert-Butylbenzene	1000	803	80	58-128	
Tetrachloroethene	1000	848	85	58-131	
Toluene	1000	950	95	66-123	
trans-1,2-Dichloroethene	1000	874	87	58-121	
trans-1,3-Dichloropropene	1000	931	93	22-122	
Trichloroethene	1000	849	85	59-124	
Trichlorofluoromethane	1000	613	61	17-145	
Vinyl acetate	800	544	68	60-125	
Vinyl chloride	1000	663	66	33-120	
tert-Butyl alcohol	10000	5720 J	57	70-130	*
Xylenes, Total	2000	1920	96	68-120	
Dibromochloromethane	1000	807	81	22-120	

Column to be used to flag recovery and RPD values

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-36245-1
SDG No.: _____
Lab File ID: BFB8506.D BFB Injection Date: 04/22/2014
Instrument ID: A3UX8 BFB Injection Time: 01:38
Analysis Batch No.: 127337

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	25.6
75	30.0 - 60.0 % of mass 95	43.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.7
173	Less than 2.0 % of mass 174	0.5 (0.8)1
174	50.0 - 120.00 % of mass 95	66.4
175	5.0 - 9.0 % of mass 174	4.8 (7.3)1
176	95.0 - 101.0 % of mass 174	64.4 (97.0)1
177	5.0 - 9.0 % of mass 176	4.5 (6.9)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 240-127337/4	UX80597.D	04/22/2014	02:10
	CCV 240-127337/5	UX80598.D	04/22/2014	02:31
	LCS 240-127337/6	UX80599.D	04/22/2014	02:52
	MB 240-126981/2-A	UX80601.D	04/22/2014	03:48
MRC-E-SB-1360-10	240-36245-7	UX80604.D	04/22/2014	04:52
	240-36329-B-1-B MS	UX80609.D	04/22/2014	06:38
	240-36329-B-1-C MSD	UX80610.D	04/22/2014	06:59

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Lab Sample ID: CCVIS 240-127337/4 Calibration Date: 04/22/2014 02:10
 Instrument ID: A3UX8 Calib Start Date: 04/05/2014 04:10
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 04/05/2014 06:39
 Lab File ID: UX80597.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	0.1709	0.1605		0.310	0.0200	-6.1	50.0
Chloromethane	Ave	0.3931	0.3265	0.1000	0.300	0.0200	-16.9	50.0
Vinyl chloride	Ave	0.2579	0.2249		0.220	0.0200	-12.8	20.0
Butadiene	Ave	0.3279	0.2759		0.0168	0.0200	-15.9	50.0
Bromomethane	Qua		0.0982		0.410	0.0200	-3.5	50.0
Chloroethane	Ave	0.1336	0.1186		0.290	0.0200	-11.2	50.0
Dichlorofluoromethane	Ave	0.2784	0.2473		0.420	0.0200	-11.2	50.0
Trichlorofluoromethane	Ave	0.2158	0.1964		0.210	0.0200	-9.0	50.0
Ethyl ether	Ave	0.2510	0.2023		0.310	0.0200	-19.4	50.0
Acrolein	Ave	0.0398	0.0328		2.20	0.100	-17.6	50.0
1,1-Dichloroethene	Ave	0.1625	0.1421		0.190	0.0200	-12.6	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1076	0.0974		0.280	0.0200	-9.4	50.0
Acetone	Qua		0.0957		1.10	0.0400	-28.5	50.0
Iodomethane	Ave	0.2533	0.2231		0.180	0.0200	-11.9	50.0
Carbon disulfide	Ave	0.5183	0.4048		0.130	0.0200	-21.9	50.0
3-Chloro-1-propene	Ave	0.1006	0.0878		0.350	0.0200	-12.7	50.0
Methyl acetate	Ave	0.2881	0.2231		0.380	0.100	-22.6	50.0
Methylene Chloride	Ave	0.2174	0.1990		0.330	0.0200	-8.5	50.0
tert-Butyl alcohol	Ave	0.0450	0.0305		3.90	0.200	-32.2	50.0
Acrylonitrile	Ave	0.1524	0.1229		2.00	0.200	-19.3	50.0
Methyl tert-butyl ether	Ave	0.6066	0.5021		0.170	0.0200	-17.2	50.0
trans-1,2-Dichloroethene	Ave	0.2084	0.1946		0.190	0.0200	-6.6	50.0
Hexane	Ave	0.0613	0.0487		0.260	0.0200	-20.6*	20.0
1,1-Dichloroethane	Ave	0.4727	0.3896	0.1000	0.150	0.0200	-17.6	50.0
Vinyl acetate	Ave	0.0281	0.0265		0.190	0.0192	-5.8	50.0
2-Butanone (MEK)	Ave	0.1801	0.1380		0.570	0.0400	-23.4	50.0
cis-1,2-Dichloroethene	Ave	0.2286	0.2047		0.170	0.0200	-10.4	50.0
2,2-Dichloropropane	Ave	0.1984	0.1806		0.130	0.0200	-9.0	50.0
Bromochloromethane	Ave	0.1022	0.0922		0.290	0.0200	-9.7	50.0
Tetrahydrofuran	Ave	0.1125	0.0901		0.420	0.0400	-19.9	50.0
Chloroform	Ave	0.3435	0.2905		0.160	0.0200	-15.4	20.0
1,1,1-Trichloroethane	Ave	0.2620	0.2363		0.220	0.0200	-9.8	50.0
Cyclohexane	Ave	0.5320	0.4557		0.120	0.0200	-14.3	50.0
1,1-Dichloropropene	Ave	0.2326	0.2104		0.130	0.0200	-9.5	50.0
Carbon tetrachloride	Ave	0.2089	0.1801		0.130	0.0200	-13.8	50.0
Isobutyl alcohol	Ave	0.0160	0.0107		8.20	0.500	-32.7	50.0
1,2-Dichloroethane	Ave	0.3591	0.2860		0.220	0.0200	-20.4	50.0
Benzene	Ave	0.8121	0.7282		0.130	0.0200	-10.3	50.0
n-Heptane	Ave	0.0547	0.0538		0.180	0.0200	-1.7	50.0
Trichloroethene	Ave	0.1981	0.1672		0.170	0.0200	-15.6	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton

Job No.: 240-36245-1

SDG No.: _____

Lab Sample ID: CCVIS 240-127337/4

Calibration Date: 04/22/2014 02:10

Instrument ID: A3UX8

Calib Start Date: 04/05/2014 04:10

GC Column: DB-624 ID: 0.18 (mm)

Calib End Date: 04/05/2014 06:39

Lab File ID: UX80597.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	0.3261	0.3141		0.130	0.0200	-3.7	50.0
1,2-Dichloropropane	Ave	0.2536	0.2158		0.180	0.0200	-14.9	20.0
1,4-Dioxane	Ave	0.0024	0.0020		19.0	0.400	-17.1	50.0
Dibromomethane	Ave	0.1151	0.0987		0.280	0.0200	-14.3	50.0
Bromodichloromethane	Ave	0.2365	0.1927		0.150	0.0200	-18.5	50.0
2-Chloroethyl vinyl ether	Ave	0.1440	0.1132		0.990	0.0400	-21.4	50.0
cis-1,3-Dichloropropene	Ave	0.2677	0.2302		0.140	0.0200	-14.0	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3299	0.2611		0.320	0.0400	-20.8	50.0
Toluene	Ave	1.370	1.245		0.130	0.0200	-9.1	20.0
trans-1,3-Dichloropropene	Ave	0.3763	0.3016		0.190	0.0200	-19.9	50.0
Ethyl methacrylate	Ave	0.3952	0.3186		0.140	0.0200	-19.4	50.0
1,1,2-Trichloroethane	Ave	0.2966	0.2465		0.270	0.0200	-16.9	50.0
1,3-Dichloropropane	Ave	0.4744	0.4213		0.160	0.0200	-11.2	50.0
Tetrachloroethene	Ave	0.2082	0.1975		0.290	0.0200	-5.2	50.0
2-Hexanone	Ave	0.3778	0.2960		0.410	0.0400	-21.7	50.0
Dibromochloromethane	Ave	0.2621	0.2125		0.180	0.0200	-18.9	50.0
1,2-Dibromoethane	Ave	0.2491	0.2201		0.240	0.0200	-11.6	50.0
Chlorobenzene	Ave	0.8428	0.7417	0.3000	0.150	0.0200	-12.0	50.0
1,1,1,2-Tetrachloroethane	Ave	0.2768	0.2283		0.230	0.0200	-17.5	50.0
Ethylbenzene	Ave	0.4328	0.4001		0.170	0.0200	-7.5	20.0
m-Xylene & p-Xylene	Ave	0.5225	0.4779		0.240	0.0200	-8.5	50.0
o-Xylene	Ave	0.5030	0.4741		0.140	0.0200	-5.7	50.0
Styrene	Ave	0.8072	0.7554		0.110	0.0200	-6.4	50.0
Bromoform	Ave	0.1556	0.1120	0.1000	0.640	0.0200	-28.0	50.0
Isopropylbenzene	Ave	1.299	1.240		0.310	0.0200	-4.5	50.0
1,1,2,2-Tetrachloroethane	Ave	0.8473	0.7202	0.3000	0.180	0.0200	-15.0	50.0
Bromobenzene	Ave	0.7102	0.6098		0.130	0.0200	-14.1	50.0
1,2,3-Trichloropropane	Ave	0.2748	0.2183		0.430	0.0200	-20.6	50.0
trans-1,4-Dichloro-2-butene	Ave	0.3616	0.2588		0.150	0.0200	-28.4	50.0
N-Propylbenzene	Ave	0.8370	0.7601		0.140	0.0200	-9.2	50.0
2-Chlorotoluene	Ave	0.7355	0.6547		0.110	0.0200	-11.0	50.0
1,3,5-Trimethylbenzene	Ave	2.565	2.301		0.0960	0.0200	-10.3	50.0
4-Chlorotoluene	Ave	0.7264	0.6617		0.180	0.0200	-8.9	50.0
tert-Butylbenzene	Ave	2.298	2.000		0.130	0.0200	-13.0	50.0
1,2,4-Trimethylbenzene	Ave	2.645	2.358		0.120	0.0200	-10.9	50.0
sec-Butylbenzene	Ave	3.295	2.982		0.130	0.0200	-9.5	50.0
1,3-Dichlorobenzene	Ave	1.419	1.233		0.140	0.0200	-13.1	50.0
p-Isopropyltoluene	Ave	2.693	2.490		0.0185	0.0200	-7.5	50.0
1,4-Dichlorobenzene	Ave	1.479	1.229		0.130	0.0200	-16.9	50.0
n-Butylbenzene	Ave	2.597	2.474		0.120	0.0200	-4.8	50.0
1,2-Dichlorobenzene	Ave	1.424	1.241		0.130	0.0200	-12.9	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Lab Sample ID: CCVIS 240-127337/4 Calibration Date: 04/22/2014 02:10
 Instrument ID: A3UX8 Calib Start Date: 04/05/2014 04:10
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 04/05/2014 06:39
 Lab File ID: UX80597.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	Ave	0.1398	0.1092		0.670	0.0200	-21.9	50.0
1,2,4-Trichlorobenzene	Ave	0.8143	0.7236		0.150	0.0200	-11.1	50.0
Hexachlorobutadiene	Ave	0.4195	0.3618		0.300	0.0200	-13.7	50.0
Naphthalene	Ave	2.488	2.067		0.240	0.0200	-16.9	50.0
1,2,3-Trichlorobenzene	Ave	0.8325	0.7246		0.170	0.0200	-13.0	50.0
Dibromofluoromethane (Surr)	Lin1		0.1583		0.0454	0.0500	-9.2	50.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.2106		0.0392	0.0500	-21.7	50.0
Toluene-d8 (Surr)	Ave	1.334	1.106		0.0415	0.0500	-17.1	50.0
4-Bromofluorobenzene (Surr)	Lin1		0.3475		0.0432	0.0500	-13.6	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-36245-1
SDG No.: _____
Lab Sample ID: CCV 240-127337/5 Calibration Date: 04/22/2014 02:31
Instrument ID: A3UX8 Calib Start Date: 10/23/2013 08:26
GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 10/23/2013 10:12
Lab File ID: UX80598.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachloroethane	Qua		0.2985			0.0400		50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Lab Sample ID: CCV 240-127337/5 Calibration Date: 04/22/2014 02:31
 Instrument ID: A3UX8 Calib Start Date: 04/05/2014 07:00
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 04/05/2014 08:46
 Lab File ID: UX80598.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	0.0494	0.0362		3.50	0.200	-26.9	50.0
Diisopropyl ether	Ave	0.1966	0.1687		1.50	0.0200	-14.2	50.0
2-Chloro-1,3-butadiene	Ave	0.4892	0.3970		0.290	0.0200	-18.9	50.0
Ethyl-t-butyl ether (ETBE)	Ave	0.9947	0.7466		0.110	0.0200	-24.9	50.0
Ethyl acetate	Ave	0.2535	0.1788		0.500	0.0400	-29.5	50.0
Propionitrile	Ave	0.0600	0.0416		1.20	0.200	-30.7	50.0
Methacrylonitrile	Ave	0.2319	0.1695		0.510	0.200	-26.9	50.0
Tert-amyl methyl ether	Ave	0.5649	0.4496		0.0670	0.0200	-20.4	50.0
n-Butanol	Lin1		0.0068		7.30	0.500	-51.9*	50.0
Ethyl acrylate	Ave	0.3913	0.2751		0.250	0.0200	-29.7	50.0
Methyl methacrylate	Ave	0.2714	0.1957		0.490	0.0400	-27.9	50.0
2-Nitropropane	Lin1		0.0374		0.700	0.0400	-34.0	50.0
1-Chlorohexane	Ave	0.3453	0.3273		0.160	0.0200	-5.2	50.0
Cyclohexanone	Ave	0.0196	0.0108		5.80	0.200	-45.1	50.0
1,2,3-Trimethylbenzene	Ave	2.675	2.439		0.0182	0.0200	-8.8	50.0
Benzyl chloride	Lin1		0.1824		0.110	0.0200	-23.3	50.0
1,3,5-Trichlorobenzene	Ave	0.8506	0.8465		0.110	0.0200	-0.5	50.0
2-Methylnaphthalene	Lin1		1.038		0.470	0.0400	-24.6	50.0

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-36245-1
SDG No.: _____
Lab File ID: UX80601.D Lab Sample ID: MB 240-126981/2-A
Matrix: Solid Heated Purge: (Y/N) Y
Instrument ID: A3UX8 Date Analyzed: 04/22/2014 03:48
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
MRC-E-SB-1360-10	240-36245-7	UX80604.D	04/22/2014 04:52

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36245-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 240-126981/2-A

Matrix: Solid Lab File ID: UX80601.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5.00(g) Date Analyzed: 04/22/2014 03:48

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.: 127337 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.62	U	5.0	0.62
71-55-6	1,1,1-Trichloroethane	0.56	U	5.0	0.56
79-34-5	1,1,2,2-Tetrachloroethane	0.34	U	5.0	0.34
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.3	U	5.0	1.3
75-34-3	1,1-Dichloroethane	0.36	U	5.0	0.36
75-35-4	1,1-Dichloroethene	0.52	U	5.0	0.52
563-58-6	1,1-Dichloropropene	0.30	U	5.0	0.30
87-61-6	1,2,3-Trichlorobenzene	0.38	U	5.0	0.38
96-18-4	1,2,3-Trichloropropane	0.90	U	5.0	0.90
526-73-8	1,2,3-Trimethylbenzene	0.17	U	5.0	0.17
120-82-1	1,2,4-Trichlorobenzene	0.27	U	5.0	0.27
95-63-6	1,2,4-Trimethylbenzene	0.65	U	5.0	0.65
96-12-8	1,2-Dibromo-3-Chloropropane	1.3	U	10	1.3
95-50-1	1,2-Dichlorobenzene	0.36	U	5.0	0.36
107-06-2	1,2-Dichloroethane	0.34	U	5.0	0.34
78-87-5	1,2-Dichloropropane	0.69	U	5.0	0.69
541-73-1	1,3-Dichlorobenzene	0.35	U	5.0	0.35
142-28-9	1,3-Dichloropropane	0.34	U	5.0	0.34
106-46-7	1,4-Dichlorobenzene	0.66	U	5.0	0.66
594-20-7	2,2-Dichloropropane	0.94	U	5.0	0.94
110-75-8	2-Chloroethyl vinyl ether	1.4	U	50	1.4
95-49-8	2-Chlorotoluene	0.40	U	5.0	0.40
591-78-6	2-Hexanone	0.63	U	20	0.63
108-86-1	Bromobenzene	0.33	U	5.0	0.33
74-97-5	Bromochloromethane	0.71	U	5.0	0.71
106-43-4	4-Chlorotoluene	0.41	U	5.0	0.41
99-87-6	p-Isopropyltoluene	0.21	U	5.0	0.21
67-64-1	Acetone	6.3	U	20	6.3
71-43-2	Benzene	0.23	U	5.0	0.23
75-25-2	Bromoform	0.33	U	5.0	0.33
74-83-9	Bromomethane	0.54	U	5.0	0.54
75-15-0	Carbon disulfide	0.44	U	5.0	0.44
56-23-5	Carbon tetrachloride	0.37	U	5.0	0.37
108-90-7	Chlorobenzene	0.33	U	5.0	0.33
75-00-3	Chloroethane	0.86	U	5.0	0.86

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36245-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 240-126981/2-A

Matrix: Solid Lab File ID: UX80601.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5.00(g) Date Analyzed: 04/22/2014 03:48

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.: 127337 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.29	U	5.0	0.29
74-87-3	Chloromethane	0.41	U	5.0	0.41
156-59-2	cis-1,2-Dichloroethene	0.36	U	5.0	0.36
10061-01-5	cis-1,3-Dichloropropene	0.34	U	5.0	0.34
87-68-3	Hexachlorobutadiene	1.2	U	5.0	1.2
74-95-3	Dibromomethane	0.63	U	5.0	0.63
75-27-4	Bromodichloromethane	0.28	U	5.0	0.28
75-71-8	Dichlorodifluoromethane	0.50	U	5.0	0.50
100-41-4	Ethylbenzene	0.26	U	5.0	0.26
106-93-4	1,2-Dibromoethane	0.50	U	5.0	0.50
108-20-3	Diisopropyl ether	1.5	U	10	1.5
91-20-3	Naphthalene	0.19	U	5.0	0.19
179601-23-1	m-Xylene & p-Xylene	1.2	U	10	1.2
104-51-8	n-Butylbenzene	0.23	U	5.0	0.23
98-82-8	Isopropylbenzene	0.16	U	5.0	0.16
103-65-1	N-Propylbenzene	0.40	U	5.0	0.40
78-93-3	2-Butanone (MEK)	1.4	U	20	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	0.54	U	20	0.54
135-98-8	sec-Butylbenzene	0.18	U	5.0	0.18
1634-04-4	Methyl tert-butyl ether	0.43	U	5.0	0.43
994-05-8	Tert-amyl methyl ether	0.37	U	5.0	0.37
75-09-2	Methylene Chloride	1.08	J	5.0	0.67
95-47-6	o-Xylene	0.35	U	5.0	0.35
100-42-5	Styrene	0.15	U	5.0	0.15
637-92-3	Ethyl-t-butyl ether (ETBE)	0.22	U	5.0	0.22
98-06-6	tert-Butylbenzene	0.29	U	5.0	0.29
127-18-4	Tetrachloroethene	0.52	U	5.0	0.52
108-88-3	Toluene	0.27	U	5.0	0.27
156-60-5	trans-1,2-Dichloroethene	0.41	U	5.0	0.41
10061-02-6	trans-1,3-Dichloropropene	0.54	U	5.0	0.54
79-01-6	Trichloroethene	0.42	U	5.0	0.42
75-69-4	Trichlorofluoromethane	0.34	U	5.0	0.34
108-05-4	Vinyl acetate	0.25	U	10	0.25
75-01-4	Vinyl chloride	0.39	U	5.0	0.39
75-65-0	tert-Butyl alcohol	7.6	U	200	7.6
1330-20-7	Xylenes, Total	0.35	U	10	0.35

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 240-126981/2-A
 Matrix: Solid Lab File ID: UX80601.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5.00(g) Date Analyzed: 04/22/2014 03:48
 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.: 127337 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.55	U	5.0	0.55

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	79		58-123
460-00-4	4-Bromofluorobenzene (Surr)	87		52-136
2037-26-5	Toluene-d8 (Surr)	85		67-125
1868-53-7	Dibromofluoromethane (Surr)	92		37-132

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

Lab Name: TestAmerica Canton Job No.: 240-36245-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 240-126981/2-A
Matrix: Solid Lab File ID: UX80601.D
Analysis Method: 8260B Date Collected: _____
Sample wt/vol: 5.00(g) Date Analyzed: 04/22/2014 03:48
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.: 127337 Units: ug/Kg
Number TICs Found: 0 TIC Result Total: 0

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

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: UX80599.D
 Lab ID: LCS 240-127337/6 Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	25.0	23.1	93	80-120	
1,1,1-Trichloroethane	25.0	24.4	97	77-126	
1,1,2,2-Tetrachloroethane	25.0	22.8	91	77-123	
1,1,2-Trichloro-1,2,2-trifluor oethane	25.0	25.4	102	80-138	
1,1-Dichloroethane	25.0	23.8	95	76-120	
1,1-Dichloroethene	25.0	24.2	97	75-135	
1,1-Dichloropropene	25.0	27.9	111	80-120	
1,2,3-Trichlorobenzene	25.0	21.9	88	61-121	
1,2,3-Trichloropropane	25.0	21.7	87	80-126	
1,2,4-Trichlorobenzene	25.0	23.1	92	64-124	
1,2,4-Trimethylbenzene	25.0	23.5	94	80-129	
1,2-Dibromo-3-Chloropropane	25.0	23.0	92	61-132	
1,2-Dichlorobenzene	25.0	22.1	88	76-120	
1,2-Dichloroethane	25.0	22.1	88	72-120	
1,2-Dichloropropane	25.0	23.6	94	80-120	
1,3-Dichlorobenzene	25.0	22.9	91	78-120	
1,3-Dichloropropane	25.0	24.1	96	80-120	
1,4-Dichlorobenzene	25.0	22.5	90	75-120	
2,2-Dichloropropane	25.0	25.1	100	69-135	
2-Chloroethyl vinyl ether	30.0	27.0 J	90	28-173	
2-Chlorotoluene	25.0	24.0	96	78-120	
2-Hexanone	50.0	45.9	92	64-136	
Bromobenzene	25.0	23.9	96	80-120	
Bromochloromethane	25.0	25.0	100	79-120	
4-Chlorotoluene	25.0	24.8	99	79-120	
p-Isopropyltoluene	25.0	24.6	98	77-131	
Acetone	50.0	42.2	84	41-137	
Benzene	25.0	25.7	103	79-120	
Bromoform	25.0	20.4	82	62-133	
Bromomethane	25.0	24.7	99	42-136	
Carbon disulfide	25.0	22.7	91	62-146	
Carbon tetrachloride	25.0	25.1	100	71-129	
Chlorobenzene	25.0	23.7	95	78-120	
Chloroethane	25.0	22.3	89	58-120	
Chloroform	25.0	23.6	94	77-120	
Chloromethane	25.0	20.5	82	50-120	
cis-1,2-Dichloroethene	25.0	25.4	101	76-120	
cis-1,3-Dichloropropene	25.0	24.7	99	74-128	
Hexachlorobutadiene	25.0	22.0	88	54-131	
Dibromomethane	25.0	23.7	95	80-120	
Bromodichloromethane	25.0	23.1	93	80-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: UX80599.D
 Lab ID: LCS 240-127337/6 Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	25.0	20.7	83	26-120	
Ethylbenzene	25.0	25.4	102	79-120	
1,2-Dibromoethane	25.0	24.6	98	80-120	
Naphthalene	25.0	22.1	88	65-123	
m-Xylene & p-Xylene	25.0	24.5	98	80-120	
n-Butylbenzene	25.0	24.0	96	68-135	
Isopropylbenzene	25.0	25.6	103	76-122	
N-Propylbenzene	25.0	24.4	98	80-129	
2-Butanone (MEK)	50.0	45.9	92	52-131	
4-Methyl-2-pentanone (MIBK)	50.0	46.7	93	67-135	
sec-Butylbenzene	25.0	24.5	98	74-129	
Methyl tert-butyl ether	25.0	23.2	93	49-165	
Methylene Chloride	25.0	25.9	103	75-120	
o-Xylene	25.0	25.7	103	80-120	
Styrene	25.0	24.7	99	80-120	
tert-Butylbenzene	25.0	22.7	91	76-126	
Tetrachloroethene	25.0	25.6	102	79-120	
Toluene	25.0	25.1	100	75-120	
trans-1,2-Dichloroethene	25.0	25.9	104	78-120	
trans-1,3-Dichloropropene	25.0	25.6	102	73-131	
Trichloroethene	25.0	24.5	98	79-120	
Trichlorofluoromethane	25.0	23.6	94	57-146	
Vinyl acetate	20.0	29.8	149	70-130	*
Vinyl chloride	25.0	22.0	88	57-120	
tert-Butyl alcohol	250	172 J	69	60-125	
Xylenes, Total	50.0	50.2	100	80-120	
Dibromochloromethane	25.0	22.5	90	72-127	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton

Job No.: 240-36245-1

SDG No.: _____

Matrix: Solid

Level: Low

Lab File ID: UX80609.D

Lab ID: 240-36329-B-1-B MS

Client ID: not in SDC

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	412	10 U	399	97	34-135	*
1,1,1-Trichloroethane	412	9.1 U	444	108	51-128	
1,1,2,2-Tetrachloroethane	412	5.5 U	651	158	16-179	*
1,1,2-Trichloro-1,2,2-trifluor oethane	412	21 U	392	95	50-147	
1,1-Dichloroethane	412	5.9 U	488	118	54-122	
1,1-Dichloroethene	412	8.5 U	525	127	49-157	
1,1-Dichloropropene	412	4.9 U	467	113	50-122	
1,2,3-Trichlorobenzene	412	6.2 U	148	36	10-120	*
1,2,3-Trichloropropane	412	15 U	724	176	32-174	* F1
1,2,4-Trichlorobenzene	412	4.4 U	192	47	10-120	*
1,2,4-Trimethylbenzene	412	11 U	383	93	10-173	*
1,2-Dibromo-3-Chloropropane	412	21 U	604	146	10-153	*
1,2-Dichlorobenzene	412	5.9 U	355	86	17-122	*
1,2-Dichloroethane	412	5.5 U	408	99	49-123	
1,2-Dichloropropane	412	11 U	434	105	61-120	
1,3-Dichlorobenzene	412	5.7 U	381	92	16-126	*
1,3-Dichloropropane	412	5.5 U	542	131	54-128	* F1
1,4-Dichlorobenzene	412	11 U	412	100	15-121	*
2,2-Dichloropropane	412	15 U	536	130	49-132	
2-Chloroethyl vinyl ether	495	23 U	470 J	95	10-162	
2-Chlorotoluene	412	6.5 U	448	109	11-162	*
2-Hexanone	825	61 J	593	65	37-147	*
Bromobenzene	412	5.4 U	534	130	24-144	*
Bromochloromethane	412	12 U	647	157	53-120	F1
4-Chlorotoluene	412	6.7 U	486	118	15-149	*
p-Isopropyltoluene	412	8.6 J	437	104	10-165	*
Benzene	412	3.7 U	483	117	53-120	
Bromoform	412	5.4 U	101	25	18-129	*
Bromomethane	412	8.8 U	299	73	33-130	
Carbon disulfide	412	31 J	623	143	20-151	
Carbon tetrachloride	412	6.0 U	281	68	32-137	
Chlorobenzene	412	5.4 U	417	101	37-120	*
Chloroethane	412	14 U	532	129	45-120	F1
Chloroform	412	4.7 U	510	124	53-120	F1
Chloromethane	412	6.7 U	366	89	34-120	
cis-1,2-Dichloroethene	412	5.9 U	529	128	50-120	F1
cis-1,3-Dichloropropene	412	5.5 U	251	61	27-133	
Hexachlorobutadiene	412	20 U	213	52	10-131	*
Dibromomethane	412	10 U	627	152	52-123	F1
Bromodichloromethane	412	4.6 U	186	45	35-132	
Dichlorodifluoromethane	412	8.1 U	484	117	17-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-36245-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: UX80609.D
Lab ID: 240-36329-B-1-B MS Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Ethylbenzene	412	4.2 U	376	91	30-131	*
1,2-Dibromoethane	412	8.1 U	554	134	45-127	* F1
Naphthalene	412	3.1 U	225	54	10-124	*
m-Xylene & p-Xylene	412	20 U	377	91	29-131	*
n-Butylbenzene	412	3.7 U	335	81	10-148	*
Isopropylbenzene	412	2.6 U	307	74	21-134	*
N-Propylbenzene	412	6.5 U	435	106	10-178	*
2-Butanone (MEK)	825	4500	6130	201	30-143	4
4-Methyl-2-pentanone (MIBK)	825	8.8 U	817	99	43-147	
sec-Butylbenzene	412	2.9 U	376	91	10-172	*
Methyl tert-butyl ether	412	7.0 U	446	108	51-157	
Methylene Chloride	412	15 J	683	162	54-120	F1
o-Xylene	412	5.7 U	374	91	29-134	*
Styrene	412	2.4 U	367	89	27-127	*
tert-Butylbenzene	412	4.7 U	360	87	10-163	*
Tetrachloroethene	412	61 J	593	129	31-135	*
Toluene	412	500	1810	317	39-129	* F1
trans-1,2-Dichloroethene	412	6.7 U	559	136	50-123	F1
trans-1,3-Dichloropropene	412	8.8 U	390	95	28-137	*
Trichloroethene	412	30 J	456	103	10-177	
Trichlorofluoromethane	412	5.5 U	445	108	36-142	
Vinyl acetate	330	4.1 U	4.1 U	0	70-130	F1
Vinyl chloride	412	6.4 U	501	121	42-120	F1
tert-Butyl alcohol	4120	120 U	3810	92	60-125	
Xylenes, Total	825	5.7 U	751	91	30-131	*
Dibromochloromethane	412	9.0 U	175	42	29-135	*

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name.: TestAmerica Canton

Job No.: 240-36245-1

SDG No.: _____

Matrix: Solid

Level: Low

Lab File ID: UX80610.D

Lab ID: 240-36329-B-1-C MSD

Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1,2-Tetrachloroethane	407	404	99	1	30	34-135	*
1,1,1-Trichloroethane	407	428	105	4	30	51-128	
1,1,2,2-Tetrachloroethane	407	663	163	2	30	16-179	*
1,1,2-Trichloro-1,2,2-trifluor oethane	407	364	89	7	30	50-147	
1,1-Dichloroethane	407	474	117	3	30	54-122	
1,1-Dichloroethene	407	499	122	5	30	49-157	
1,1-Dichloropropene	407	450	110	4	30	50-122	
1,2,3-Trichlorobenzene	407	150	37	2	30	10-120	*
1,2,3-Trichloropropane	407	689	169	5	30	32-174	*
1,2,4-Trichlorobenzene	407	213	52	10	30	10-120	*
1,2,4-Trimethylbenzene	407	408	100	6	30	10-173	*
1,2-Dibromo-3-Chloropropane	407	602	148	0	30	10-153	*
1,2-Dichlorobenzene	407	358	88	1	30	17-122	*
1,2-Dichloroethane	407	404	99	1	30	49-123	
1,2-Dichloropropane	407	425	104	2	30	61-120	
1,3-Dichlorobenzene	407	389	95	2	30	16-126	*
1,3-Dichloropropane	407	515	127	5	30	54-128	*
1,4-Dichlorobenzene	407	394	97	4	30	15-121	*
2,2-Dichloropropane	407	504	124	6	30	49-132	
2-Chloroethyl vinyl ether	488	456 J	93	3	30	10-162	
2-Chlorotoluene	407	485	119	8	30	11-162	*
2-Hexanone	814	511	55	15	30	37-147	*
Bromobenzene	407	542	133	1	30	24-144	*
Bromochloromethane	407	655	161	1	30	53-120	F1
4-Chlorotoluene	407	446	110	9	30	15-149	*
p-Isopropyltoluene	407	442	107	1	30	10-165	*
Benzene	407	464	114	4	30	53-120	
Bromoform	407	93.5	23	8	30	18-129	*
Bromomethane	407	296	73	1	30	33-130	
Carbon disulfide	407	593	138	5	30	20-151	
Carbon tetrachloride	407	261	64	7	30	32-137	
Chlorobenzene	407	415	102	1	30	37-120	*
Chloroethane	407	487	120	9	30	45-120	
Chloroform	407	502	123	2	30	53-120	F1
Chloromethane	407	356	87	3	30	34-120	
cis-1,2-Dichloroethene	407	518	127	2	30	50-120	F1
cis-1,3-Dichloropropene	407	235	58	7	30	27-133	
Hexachlorobutadiene	407	253	62	17	30	10-131	*
Dibromomethane	407	648	159	3	30	52-123	F1
Bromodichloromethane	407	164	40	12	30	35-132	
Dichlorodifluoromethane	407	440	108	10	30	17-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-36245-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: UX80610.D
 Lab ID: 240-36329-B-1-C MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Ethylbenzene	407	406	100	8	30	30-131	*
1,2-Dibromoethane	407	530	130	4	30	45-127	* F1
Naphthalene	407	231	57	3	30	10-124	*
m-Xylene & p-Xylene	407	390	96	3	30	29-131	*
n-Butylbenzene	407	348	86	4	30	10-148	*
Isopropylbenzene	407	322	79	5	30	21-134	*
N-Propylbenzene	407	465	114	7	30	10-178	*
2-Butanone (MEK)	814	4930	56	22	30	30-143	4
4-Methyl-2-pentanone (MIBK)	814	781	96	5	30	43-147	
sec-Butylbenzene	407	391	96	4	30	10-172	*
Methyl tert-butyl ether	407	439	108	2	30	51-157	
Methylene Chloride	407	688	165	1	30	54-120	F1
o-Xylene	407	396	97	6	30	29-134	*
Styrene	407	381	94	4	30	27-127	*
tert-Butylbenzene	407	390	96	8	30	10-163	*
Tetrachloroethene	407	624	138	5	30	31-135	* F1
Toluene	407	1760	310	3	30	39-129	* F1
trans-1,2-Dichloroethene	407	532	131	5	30	50-123	F1
trans-1,3-Dichloropropene	407	345	85	12	30	28-137	*
Trichloroethene	407	455	105	0	30	10-177	
Trichlorofluoromethane	407	409	100	8	30	36-142	
Vinyl acetate	326	4.1 U	0	NC	30	70-130	F1
Vinyl chloride	407	459	113	9	30	42-120	
tert-Butyl alcohol	4070	4210	103	10	30	60-125	
Xylenes, Total	814	786	97	5	30	30-131	*
Dibromochloromethane	407	139	34	23	30	29-135	*

Column to be used to flag recovery and RPD values



Tetra Tech, Inc.

INTERNAL CORRESPONDENCE

TO: A. APANAVAGE **DATE:** MAY 15, 2014
FROM: MICHELLE L. ALLEN **COPIES:** DV FILE
SUBJECT: ORGANIC DATA VALIDATION – VOC
LOCKHEED MARTIN CORPORATION (LMC) – MIDDLE RIVER COMPLEX (MRC)
BLOCK E
SDG 240-36288-1

SAMPLES: 7/Soil/VOC

MRC-E-SB-1359-15
MRC-E-SB-1359-28
MRC-E-SB-1360-25

MRC-E-SB-1359-20
MRC-E-SB-1360-15
MRC-E-SB-1360-28

MRC-E-SB-1359-25
MRC-E-SB-1360-20

1/Aqueous/VOC

TB-041714

Overview

The sample set for LMC-MRC Block E, SDG 240-36288-1 consisted of seven (7) soil environmental samples and one (1) trip blank. All seven (7) samples were analyzed for volatile organic compounds (VOC). No field duplicate sample pair was included in this SDG.

The samples were collected by Tetra Tech, Inc. on April 17, 2014 and analyzed by TestAmerica, Inc. All analyses were conducted in accordance with SW-846 Method 8260B analytical and reporting protocols.

The data contained in this SDG were validated with regard to the following parameters: data completeness, holding times, laboratory method and trip blanks, tentatively identified compounds, and detection limits. Areas of concern are listed below.

Major

- A Tentatively Identified Compound (TIC) in sample TB-041714 was considered column bleed from the GCMS instrument was qualified as rejected, (R).

Minor

- The following contaminants were detected in the laboratory method blanks at the following maximum concentrations:

<u>Compound</u>	<u>Maximum Concentration (µg/Kg)</u>	<u>Action Level (µg/Kg)</u>
1,2,3-Trichlorobenzene ⁽¹⁾	0.606	3.03
1,2,4-Trichlorobenzene ⁽¹⁾	0.395	1.98
Carbon Disulfide ⁽¹⁾	1.18	5.9
Chloroethane ⁽¹⁾	2.05	10.25
Naphthalene ⁽¹⁾	0.662	3.31
Ethyl-t-butyl ether (ETBE) ⁽¹⁾	0.244	1.22
Toluene ⁽¹⁾	0.304	1.52

TO: A. APANAVAGE
SDG: 240-36288-1

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1,2,3-Trichlorobenzene ⁽²⁾	13.2	66
1,2,4-Trichlorobenzene ⁽²⁾	10.0	50
Naphthalene ⁽²⁾	15.1	75.5
Styrene ⁽²⁾	9.75	48.75
Methylene Chloride ⁽³⁾	1.01	10.1
Toluene ⁽³⁾	0.581	2.905
1,2,3-Trichlorobenzene ⁽⁴⁾	0.605	3.025
1,2,4-Trichlorobenzene ⁽⁴⁾	0.423	2.115
Naphthalene ⁽⁴⁾	0.72	3.6

- ¹ Maximum concentration detected in the laboratory method blank, MB240-127207/6, affecting samples MRC-E-SB-1359-25 and MRC-E-SB-1359-28.
- ² Maximum concentration detected in the laboratory method blank, MB240-127230/1-A, affecting samples MRC-E-SB-1360-15, MRC-E-SB-1360-20, MRC-E-SB-1360-25, and MRC-E-SB-1360-28.
- ³ Maximum concentration detected in the laboratory method blank, MB240-127264/3-A, affecting samples MRC-E-SB-1360-15 and MRC-E-SB-1360-25.
- ⁴ Maximum concentration detected in the laboratory method blank, MB240-127404/6, affecting samples MRC-E-SB-1359-15 and MRC-E-SB-1359-20.

An action level of 10X the maximum concentration for the common laboratory contaminant, methylene chloride, and an action level of 5X the maximum concentration for the remaining contaminants were used to evaluate for blank contamination. Percent moisture, sample aliquot, and dilution factor, if applicable, were taken into consideration when evaluating for blank contamination. The detected results for the compounds/analyte below the established action levels were qualified as non-detected, (U).

- Trichloroethene exceeded the calibration range of the instrument in samples MRC-E-SB-1360-15 and MRC-E-SB-1360-25. The samples were additionally analyzed as medium level soils; however, the results were inconsistent. Therefore, the results from the low level soil analyses were used in the data review. The detected results for trichloroethene was qualified as estimated, (J), in these samples.
- Detected results reported below the Reporting Limit (RL) limit but above the Method Detection Limit (MDL) were qualified as estimated, (J).

Notes

Sample MRC-E-SB-1360-28 was analyzed as a medium level soil. The RLs of the non-detected results were elevated.

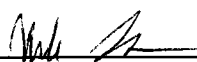
Non-detected results were reported to the MDL.

Executive Summary

Laboratory Performance: Several contaminants were detected in the laboratory method blanks.

Other Factors Affecting Data Quality: One sample was initially analyzed as a medium level soil. Trichloroethene exceeded the linear calibration range of the instrument in two samples. A TIC identified as column bleed was rejected. Results below the RL were estimated.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Organic Review" (June 2008) and SW-846 Method 8260B analytical and reporting protocols. 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 ($< 2 \times \text{IDL}$ for inorganics and $< \text{CRQL}$ for organics)
- Q = Other problems (can encompass a number of issues; i.e. chromatography, interferences, etc.)
- R = Surrogates Recovery Noncompliance
- S = Pesticide/PCB Resolution
- T = % Breakdown Noncompliance for DDT and Endrin
- U = RPD between columns/detectors $> 40\%$ for positive results determined via GC/HPLC
- V = Non-linear calibrations; correlation coefficient $r < 0.995$
- W = EMPC result
- X = Signal to noise response drop
- Y = Percent solids $< 30\%$
- Z = Uncertainty at 2 standard deviations is greater than sample activity
- Z1 = Tentatively Identified Compound considered presumptively present
- Z2 = Tentatively Identified Compound column bleed
- Z3 = Tentatively Identified Compound aldol condensate

PROJ_NO: 04769 SDG: 240-36288-1 FRACTION: OV MEDIA: SOIL	NSAMPLE	MRC-E-SB-1359-15	MRC-E-SB-1359-20	MRC-E-SB-1359-25	MRC-E-SB-1359-28		
	LAB_ID	240-36288-5	240-36288-6	240-36288-7	240-36288-8		
	SAMP_DATE	4/17/2014	4/17/2014	4/17/2014	4/17/2014		
	QC_TYPE	NM	NM	NM	NM		
	UNITS	UG/KG	UG/KG	UG/KG	UG/KG		
	PCT_SOLIDS	100.0	100.0	80.9	81.2		
	DUP_OF						
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
1,1,1,2-TETRACHLOROETHANE	0.5 U			0.43 U	0.56 U	0.59 U	
1,1,1-TRICHLOROETHANE	0.45 U			0.39 U	0.5 U	0.53 U	
1,1,2,2-TETRACHLOROETHANE	0.27 U			0.24 U	0.31 U	0.32 U	
1,1,2-TRICHLOROTRIFLUOROETHANE	1 U			0.9 U	1.2 U	1.2 U	
1,1-DICHLOROETHANE	0.29 U			0.25 U	0.32 U	0.34 U	
1,1-DICHLOROETHENE	0.42 U			0.36 U	0.47 U	0.49 U	
1,1-DICHLOROPROPENE	0.24 U			0.21 U	0.27 U	0.28 U	
1,2,3-TRICHLOROBENZENE	0.31 U			0.26 U	0.34 U	0.36 U	
1,2,3-TRICHLOROPROPANE	0.72 U			0.62 U	0.81 U	0.85 U	
1,2,3-TRIMETHYLBENZENE	0.14 U			0.12 U	0.15 U	0.16 U	
1,2,4-TRICHLOROBENZENE	0.22 U			0.19 U	0.24 U	0.26 U	
1,2,4-TRIMETHYLBENZENE	0.52 U			0.45 U	0.59 U	0.62 U	
1,2-DIBROMO-3-CHLOROPROPANE	1 U			0.9 U	1.2 U	1.2 U	
1,2-DIBROMOETHANE	0.4 U			0.35 U	0.45 U	0.47 U	
1,2-DICHLOROBENZENE	0.29 U			0.25 U	0.32 U	0.34 U	
1,2-DICHLOROETHANE	0.27 U			0.24 U	0.31 U	0.32 U	
1,2-DICHLOROPROPANE	0.55 U			0.48 U	0.62 U	0.65 U	
1,3-DICHLOROBENZENE	0.28 U			0.24 U	0.32 U	0.33 U	
1,3-DICHLOROPROPANE	0.27 U			0.24 U	0.31 U	0.32 U	
1,4-DICHLOROBENZENE	0.53 U			0.46 U	0.59 U	0.63 U	
2,2-DICHLOROPROPANE	0.76 U			0.65 U	0.85 U	0.89 U	
2-BUTANONE	1.1 U			0.97 U	1.3 U	1.3 U	
2-CHLOROETHYL VINYL ETHER	1.1 U			0.97 U	1.3 U	1.3 U	
2-CHLOROTOLUENE	0.32 U			0.28 U	0.36 U	0.38 U	
2-HEXANONE	0.51 U			0.44 U	0.57 U	0.6 U	
4-CHLOROTOLUENE	0.33 U			0.28 U	0.37 U	0.39 U	
4-ISOPROPYLTOLUENE	0.17 U			0.15 U	0.19 U	0.2 U	
4-METHYL-2-PENTANONE	0.43 U			0.37 U	0.49 U	0.51 U	
ACETONE	5.1 U			4.4 U	5.7 U	6 U	
BENZENE	0.18 U			0.16 U	0.21 U	0.22 U	
BROMOBENZENE	0.27 U			0.23 U	0.3 U	0.31 U	
BROMOCHLOROMETHANE	0.57 U			0.49 U	0.64 U	0.67 U	
BROMODICHLOROMETHANE	0.23 U			0.19 U	0.25 U	0.27 U	
BROMOFORM	0.27 U			0.23 U	0.3 U	0.31 U	
BROMOMETHANE	0.43 U			0.37 U	0.49 U	0.51 U	
CARBON DISULFIDE	0.93 J	P	P	0.85 J	1.1 U	1.1 U	A

PROJ_NO: 04769 SDG: 240-36288-1 FRACTION: OV MEDIA: SOIL	NSAMPLE	MRC-E-SB-1360-15-RE			MRC-E-SB-1360-20			MRC-E-SB-1360-25-RE			MRC-E-SB-1360-28		
	LAB_ID	240-36288-1			240-36288-2			240-36288-3			240-36288-4		
	SAMP_DATE	4/17/2014			4/17/2014			4/17/2014			4/17/2014		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	83.8			83.6			85.4			81.7		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.51 U			7.9 U			0.59 U			8.4 U		
1,1,1-TRICHLOROETHANE		0.46 U			18 U			0.53 U			19 U		
1,1,2,2-TETRACHLOROETHANE		0.28 U			7.8 U			0.32 U			8.2 U		
1,1,2-TRICHLOROTRIFLUOROETHANE		1.2 J	P		34 U			1.2 U			36 U		
1,1-DICHLOROETHANE		0.29 U			15 U			0.34 U			16 U		
1,1-DICHLOROETHENE		0.42 U			16 U			0.49 U			17 U		
1,1-DICHLOROPROPENE		0.24 U			8.7 U			0.28 U			9.3 U		
1,2,3-TRICHLOROBENZENE		0.31 U			8.7 U			0.36 U			9.3 U		
1,2,3-TRICHLOROPROPANE		0.73 U			18 U			0.85 U			19 U		
1,2,3-TRIMETHYLBENZENE		0.14 U			0.15 U			0.16 U			0.16 U		
1,2,4-TRICHLOROBENZENE		0.22 U			6.4 U			0.26 U			6.8 U		
1,2,4-TRIMETHYLBENZENE		0.53 U			4.4 U			0.62 U			4.6 U		
1,2-DIBROMO-3-CHLOROPROPANE		1.1 U			44 U			1.2 U			46 U		
1,2-DIBROMOETHANE		0.41 U			8.7 U			0.47 U			9.3 U		
1,2-DICHLOROBENZENE		0.29 U			7.5 U			0.34 U			8 U		
1,2-DICHLOROETHANE		0.28 U			8.7 U			0.32 U			9.3 U		
1,2-DICHLOROPROPANE		0.56 U			7.2 U			0.65 U			7.6 U		
1,3-DICHLOROBENZENE		0.29 U			4.2 U			0.33 U			4.4 U		
1,3-DICHLOROPROPANE		0.28 U			19 U			0.32 U			20 U		
1,4-DICHLOROBENZENE		0.54 U			7 U			0.63 U			7.4 U		
2,2-DICHLOROPROPANE		0.77 U			20 U			0.89 U			21 U		
2-BUTANONE		1.1 U			38 U			1.3 U			40 U		
2-CHLOROETHYL VINYL ETHER		1.1 U			38 U			1.3 U			40 U		
2-CHLOROTOLUENE		0.33 U			7.9 U			0.38 U			8.3 U		
2-HEXANONE		0.51 U			17 U			0.6 U			19 U		
4-CHLOROTOLUENE		0.33 U			8.6 U			0.39 U			9.2 U		
4-ISOPROPYLTOLUENE		0.17 U			4.2 U			0.2 U			4.4 U		
4-METHYL-2-PENTANONE		0.44 U			42 U			0.51 U			44 U		
ACETONE		5.1 U			150 U			6 U			160 U		
BENZENE		0.19 U			10 U			0.22 U			11 U		
BROMOBENZENE		0.27 U			11 U			0.31 U			12 U		
BROMOCHLOROMETHANE		0.58 U			11 U			0.67 U			12 U		
BROMODICHLOROMETHANE		0.23 U			8.6 U			0.27 U			9.2 U		
BROMOFORM		0.27 U			17 U			0.31 U			18 U		
BROMOMETHANE		0.44 U			25 U			0.51 U			27 U		
CARBON DISULFIDE		0.36 U			10 U			0.42 U			11 U		

PROJ_NO: 04769 SDG: 240-36288-1 FRACTION: OV MEDIA: SOIL	NSAMPLE	MRC-E-SB-1359-15			MRC-E-SB-1359-20			MRC-E-SB-1359-25			MRC-E-SB-1359-28		
	LAB_ID	240-36288-5			240-36288-6			240-36288-7			240-36288-8		
	SAMP_DATE	4/17/2014			4/17/2014			4/17/2014			4/17/2014		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	100.0			100.0			80.9			81.2		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON TETRACHLORIDE		0.3 U			0.26 U			0.33 U			0.35 U		
CHLOROBENZENE		0.27 U			0.23 U			0.3 U			0.31 U		
CHLORODIBROMOMETHANE		0.44 U			0.38 U			0.5 U			0.52 U		
CHLOROETHANE		0.69 U			0.6 U			0.77 U			0.82 U		
CHLOROFORM		0.23 U			0.2 U			0.26 U			0.27 U		
CHLOROMETHANE		0.33 U			0.28 U			0.37 U			0.39 U		
CIS-1,2-DICHLOROETHENE		0.95 J		P	4			1.4 J		P	0.34 U		
CIS-1,3-DICHLOROPROPENE		0.27 U			0.24 U			0.31 U			0.32 U		
DIBROMOMETHANE		0.51 U			0.44 U			0.57 U			0.6 U		
DICHLORODIFLUOROMETHANE		0.4 U			0.35 U			0.45 U			0.47 U		
DIISOPROPYLETHER		1.2 U			1 U			1.4 U			1.4 U		
ETHYL TERT-BUTYLETHER		0.18 U			0.15 U			0.2 U			0.21 U		
ETHYLBENZENE		0.21 U			0.18 U			0.23 U			0.25 U		
HEXACHLOROBUTADIENE		0.96 U			0.83 U			1.1 U			1.1 U		
ISOPROPYLBENZENE		0.13 U			0.11 U			0.14 U			0.15 U		
M+P-XYLENES		0.96 U			0.83 U			1.1 U			1.1 U		
METHYL TERT-BUTYL ETHER		0.35 U			0.3 U			0.39 U			0.41 U		
METHYLENE CHLORIDE		0.54 U			0.46 U			0.6 U			0.64 U		
NAPHTHALENE		0.15 U			0.13 U			0.17 U			0.18 U		
N-BUTYLBENZENE		0.18 U			0.16 U			0.21 U			0.22 U		
N-PROPYLBENZENE		0.32 U			0.28 U			0.36 U			0.38 U		
O-XYLENE		0.28 U			0.24 U			0.32 U			0.33 U		
SEC-BUTYLBENZENE		0.14 U			0.12 U			0.16 U			0.17 U		
STYRENE		0.12 U			0.1 U			0.14 U			0.14 U		
TERT-AMYL METHYL ETHER		0.3 U			0.26 U			0.33 U			0.35 U		
TERT-BUTYLBENZENE		0.23 U			0.2 U			0.26 U			0.27 U		
TERTIARY-BUTYL ALCOHOL		17 J		P	5.3 U			6.8 U			7.2 U		
TETRACHLOROETHENE		0.42 U			0.36 U			0.47 U			0.49 U		
TOLUENE		0.22 U			0.19 U			0.24 U			0.26 U		
TOTAL XYLENES		0.28 U			0.24 U			0.32 U			0.33 U		
TRANS-1,2-DICHLOROETHENE		0.33 U			0.28 U			0.37 U			0.39 U		
TRANS-1,3-DICHLOROPROPENE		0.43 U			0.37 U			0.49 U			0.51 U		
TRICHLOROETHENE		5.5			26			9.7			0.89 J		P
TRICHLOROFLUOROMETHANE		0.27 U			0.24 U			0.31 U			0.32 U		
VINYL ACETATE		0.2 U			0.17 U			0.23 U			0.24 U		
VINYL CHLORIDE		0.31 U			0.27 U			0.35 U			0.37 U		

PROJ_NO: 04769 SDG: 240-36288-1 FRACTION: OV MEDIA: SOIL	NSAMPLE	MRC-E-SB-1360-15-RE				MRC-E-SB-1360-20				MRC-E-SB-1360-25-RE				MRC-E-SB-1360-28			
	LAB_ID	240-36288-1				240-36288-2				240-36288-3				240-36288-4			
	SAMP_DATE	4/17/2014				4/17/2014				4/17/2014				4/17/2014			
	QC_TYPE	NM				NM				NM				NM			
	UNITS	UG/KG				UG/KG				UG/KG				UG/KG			
	PCT_SOLIDS	83.8				83.6				85.4				81.7			
	DUP_OF																
PARAMETER		RESULT	VQL	QLCD		RESULT	VQL	QLCD		RESULT	VQL	QLCD		RESULT	VQL	QLCD	
CARBON TETRACHLORIDE			0.3 U				5.6 U				0.35 U				5.9 U		
CHLOROBENZENE			0.27 U				5.6 U				0.31 U				5.9 U		
CHLORODIBROMOMETHANE			0.45 U				10 U				0.52 U				11 U		
CHLOROETHANE			0.7 U				53 U				0.82 U				56 U		
CHLOROFORM			0.24 U				7.7 U				0.28 U				8.1 U		
CHLOROMETHANE			0.33 U				12 U				0.39 U				13 U		
CIS-1,2-DICHLOROETHENE		52				230				3 J	P			70 J	P		
CIS-1,3-DICHLOROPROPENE		0.28 U				6.9 U				0.32 U				7.3 U			
DIBROMOMETHANE		0.51 U				12 U				0.6 U				13 U			
DICHLORODIFLUOROMETHANE		0.41 U				14 U				0.47 U				15 U			
DIISOPROPYL ETHER		1.2 U				44 U				1.4 U				46 U			
ETHYL TERT-BUTYL ETHER		0.18 U				0.19 U				0.21 U				0.2 U			
ETHYLBENZENE		0.21 U				4.7 U				0.25 U				5 U			
HEXACHLOROBUTADIENE		0.98 U				12 U				1.1 U				13 U			
ISOPROPYLBENZENE		0.13 U				5.7 U				0.15 U				6 U			
M+P-XYLENES		0.98 U				5.4 U				1.1 U				5.7 U			
METHYL TERT-BUTYL ETHER		0.35 U				6.2 U				0.41 U				6.6 U			
METHYLENE CHLORIDE		0.74 U		A		67 U				0.85 U		A		71 U			
NAPHTHALENE		0.16 U				5.9 U				0.18 U				6.2 U			
N-BUTYLBENZENE		0.19 U				7 U				0.22 U				7.4 U			
N-PROPYLBENZENE		0.33 U				12 U				0.38 U				13 U			
O-XYLENE		0.29 U				7.4 U				0.33 U				7.9 U			
SEC-BUTYLBENZENE		0.15 U				4.1 U				0.17 U				4.4 U			
STYRENE		0.12 U				8.3 U		A		0.14 U				7 U	A		
TERT-AMYL METHYL ETHER		0.3 U				0.32 U				0.35 U				0.34 U			
TERT-BUTYLBENZENE		0.24 U				5.7 U				0.28 U				6 U			
TERTIARY-BUTYL ALCOHOL		6.2 U				210 U				7.2 U				220 U			
TETRACHLOROETHENE		0.42 U				10 U				0.49 U				11 U			
TOLUENE		0.22 U				15 U				0.26 U				16 U			
TOTAL XYLENES		0.29 U				5.4 U				0.33 U				5.7 U			
TRANS-1,2-DICHLOROETHENE		0.33 U				8 U				0.39 U				8.5 U			
TRANS-1,3-DICHLOROPROPENE		0.44 U				17 U				0.51 U				19 U			
TRICHLOROETHENE		980 J		L		520				1000 J		L		5600			
TRICHLOROFLUOROMETHANE		0.28 U				14 U				0.32 U				15 U			
VINYL ACETATE		0.2 U				20 U				0.24 U				21 U			
VINYL CHLORIDE		1.5 J		P		16 U				0.37 U				17 U			

PROJ_NO: 04769	NSAMPLE	TB-041714
SDG: 240-36288-1	LAB_ID	240-36288-9
FRACTION: TICOV	SAMP_DATE	4/17/2014
MEDIA: WATER	QC_TYPE	NM
	UNITS	UG/L
	PCT_SOLIDS	0.0
	DUP_OF	
PARAMETER	RESULT	VQL
TERT-BUTYLDIMETHYLSILANOL	1.9 R	QLCD
		Z2

PROJ_NO: 04769 SDG: 240-36288-1 FRACTION: OV MEDIA: WATER	NSAMPLE	TB-041714		
	LAB_ID	240-36288-9		
	SAMP_DATE	4/17/2014		
	QC_TYPE	NM		
	UNITS	UG/L		
	PCT_SOLIDS	0.0		
	DUP_OF			
PARAMETER				
1,1,1,2-TETRACHLOROETHANE		RESULT	VQL	QLCD
			0.23 U	
1,1,1-TRICHLOROETHANE			0.22 U	
1,1,2,2-TETRACHLOROETHANE			0.18 U	
1,1,2-TRICHLOROTRIFLUOROETHANE			0.28 U	
1,1-DICHLOROETHANE			0.15 U	
1,1-DICHLOROETHENE			0.19 U	
1,1-DICHLOROPROPENE			0.13 U	
1,2,3-TRICHLOROBENZENE			0.17 U	
1,2,3-TRICHLOROPROPANE			0.43 U	
1,2,3-TRIMETHYLBENZENE		0.0059 U		
1,2,4-TRICHLOROBENZENE		0.15 U		
1,2,4-TRIMETHYLBENZENE		0.12 U		
1,2-DIBROMO-3-CHLOROPROPANE		0.67 U		
1,2-DIBROMOETHANE		0.24 U		
1,2-DICHLOROBENZENE		0.13 U		
1,2-DICHLOROETHANE		0.22 U		
1,2-DICHLOROPROPANE		0.18 U		
1,3-DICHLOROBENZENE		0.14 U		
1,3-DICHLOROPROPANE		0.16 U		
1,4-DICHLOROBENZENE		0.13 U		
2,2-DICHLOROPROPANE		0.13 U		
2-BUTANONE		0.57 U		
2-CHLOROETHYL VINYL ETHER		0.99 U		
2-CHLOROTOLUENE		0.11 U		
2-HEXANONE		0.41 U		
4-CHLOROTOLUENE		0.18 U		
4-ISOPROPYLTOLUENE		0.12 U		
4-METHYL-2-PENTANONE		0.32 U		
ACETONE		1.7 J	P	
BENZENE		0.13 U		
BROMOBENZENE		0.13 U		
BROMOCHLOROMETHANE		0.29 U		
BROMODICHLOROMETHANE		0.15 U		
BROMOFORM		0.64 U		
BROMOMETHANE		0.41 U		
CARBON DISULFIDE		0.13 U		

PROJ_NO: 04769 SDG: 240-36288-1 FRACTION: OV MEDIA: WATER	NSAMPLE	TB-041714			
	LAB_ID	240-36288-9			
	SAMP_DATE	4/17/2014			
	QC_TYPE	NM			
	UNITS	UG/L			
	PCT_SOLIDS	0.0			
	DUP_OF				
PARAMETER	RESULT	VQL	QLCD		
CARBON TETRACHLORIDE	0.13 U				
CHLOROBENZENE	0.15 U				
CHLORODIBROMOMETHANE	0.18 U				
CHLOROETHANE	0.29 U				
CHLOROFORM	0.16 U				
CHLOROMETHANE	0.3 U				
CIS-1,2-DICHLOROETHENE	0.17 U				
CIS-1,3-DICHLOROPROPENE	0.14 U				
DIBROMOMETHANE	0.28 U				
DICHLORODIFLUOROMETHANE	0.31 U				
DIISOPROPYL ETHER	1.5 U				
ETHYL TERT-BUTYL ETHER	0.11 U				
ETHYLBENZENE	0.17 U				
HEXACHLOROBTADIENE	0.3 U				
ISOPROPYLBENZENE	0.13 U				
M+P-XYLENES	0.24 U				
METHYL TERT-BUTYL ETHER	0.17 U				
METHYLENE CHLORIDE	0.33 U				
NAPHTHALENE	0.24 U				
N-BUTYLBENZENE	0.12 U				
N-PROPYLBENZENE	0.14 U				
O-XYLENE	0.14 U				
SEC-BUTYLBENZENE	0.13 U				
STYRENE	0.11 U				
TERT-AMYL METHYL ETHER	0.067 U				
TERT-BUTYLBENZENE	0.13 U				
TERTIARY-BUTYL ALCOHOL	3.9 U				
TETRACHLOROETHENE	0.29 U				
TOLUENE	0.13 U				
TOTAL XYLENES	0.14 U				
TRANS-1,2-DICHLOROETHENE	0.19 U				
TRANS-1,3-DICHLOROPROPENE	0.19 U				
TRICHLOROETHENE	0.17 U				
TRICHLOROFLUOROMETHANE	0.21 U				
VINYL ACETATE	0.19 U				
VINYL CHLORIDE	0.22 U				

Appendix B

Results as Reported by the Laboratory

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton

Job No.: 240-36288-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1360-15

Lab Sample ID: 240-36288-1

Matrix: Solid

Lab File ID: UX80638.D

Analysis Method: 8260B

Date Collected: 04/17/2014 09:40

Sample wt/vol: 7.305(g)

Date Analyzed: 04/23/2014 06:06

Soil Aliquot Vol: _____

Dilution Factor: 1

Soil Extract Vol.: _____

GC Column: DB-624 ID: 0.18(mm)

% Moisture: 16.2

Level: (low/med) Low

Analysis Batch No.: 127498

Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.51	U	4.1	0.51
71-55-6	1,1,1-Trichloroethane	0.46	U	4.1	0.46
79-34-5	1,1,2,2-Tetrachloroethane	0.28	U	4.1	0.28
76-13-1	1,1,2-Trichloro-1,2,2-trichloroethane	1.2	J	4.1	1.1
75-34-3	1,1-Dichloroethane	0.29	U	4.1	0.29
75-35-4	1,1-Dichloroethene	0.42	U	4.1	0.42
563-58-6	1,1-Dichloropropene	0.24	U	4.1	0.24
87-61-6	1,2,3-Trichlorobenzene	0.31	U	4.1	0.31
96-18-4	1,2,3-Trichloropropane	0.73	U	4.1	0.73
526-73-8	1,2,3-Trimethylbenzene	0.14	U	4.1	0.14
120-82-1	1,2,4-Trichlorobenzene	0.22	U	4.1	0.22
95-63-6	1,2,4-Trimethylbenzene	0.53	U	4.1	0.53
96-12-8	1,2-Dibromo-3-Chloropropane	1.1	U	8.2	1.1
106-93-4	1,2-Dibromoethane	0.41	U	4.1	0.41
95-50-1	1,2-Dichlorobenzene	0.29	U	4.1	0.29
107-06-2	1,2-Dichloroethane	0.28	U	4.1	0.28
78-87-5	1,2-Dichloropropane	0.56	U	4.1	0.56
541-73-1	1,3-Dichlorobenzene	0.29	U	4.1	0.29
142-28-9	1,3-Dichloropropane	0.28	U	4.1	0.28
106-46-7	1,4-Dichlorobenzene	0.54	U	4.1	0.54
594-20-7	2,2-Dichloropropane	0.77	U	4.1	0.77
78-93-3	2-Butanone	1.1	U	16	1.1
110-75-8	2-Chloroethyl vinyl ether	1.1	U	41	1.1
95-49-8	2-Chlorotoluene	0.33	U	4.1	0.33
591-78-6	2-Hexanone	0.51	U	16	0.51
106-43-4	4-Chlorotoluene	0.33	U	4.1	0.33
108-10-1	4-Methyl-2-pentanone	0.44	U	16	0.44
67-64-1	Acetone	5.1	U	16	5.1
71-43-2	Benzene	0.19	U	4.1	0.19
108-86-1	Bromobenzene	0.27	U	4.1	0.27
74-97-5	Bromochloromethane	0.58	U	4.1	0.58
75-27-4	Bromodichloromethane	0.23	U	4.1	0.23
75-25-2	Bromoform	0.27	U	4.1	0.27
74-83-9	Bromomethane	0.44	U	4.1	0.44
75-15-0	Carbon disulfide	0.36	U	4.1	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton

Job No.: 240-36288-1

SDG No.:

Client Sample ID: MRC-E-SB-1360-15

Lab Sample ID: 240-36288-1

Matrix: Solid

Lab File ID: UX80638.D

Analysis Method: 8260B

Date Collected: 04/17/2014 09:40

Sample wt/vol: 7.305(g)

Date Analyzed: 04/23/2014 06:06

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

GC Column: DB-624 ID: 0.18 (mm)

% Moisture: 16.2

Level: (low/med) Low

Analysis Batch No.: 127498

Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	0.30	U	4.1	0.30
108-90-7	Chlorobenzene	0.27	U	4.1	0.27
75-00-3	Chloroethane	0.70	U	4.1	0.70
67-66-3	Chloroform	0.24	U	4.1	0.24
74-87-3	Chloromethane	0.33	U	4.1	0.33
156-59-2	cis-1,2-Dichloroethene	52		4.1	0.29
10061-01-5	cis-1,3-Dichloropropene	0.28	U	4.1	0.28
124-48-1	Dibromochloromethane	0.45	U	4.1	0.45
74-95-3	Dibromomethane	0.51	U	4.1	0.51
75-71-8	Dichlorodifluoromethane	0.41	U	4.1	0.41
108-20-3	Diisopropyl ether	1.2	U	8.2	1.2
100-41-4	Ethylbenzene	0.21	U	4.1	0.21
637-92-3	Ethyl-t-butyl ether (ETBE)	0.18	U	4.1	0.18
87-68-3	Hexachlorobutadiene	0.98	U	4.1	0.98
98-82-8	Isopropylbenzene	0.13	U	4.1	0.13
1634-04-4	Methyl tert-butyl ether	0.35	U	4.1	0.35
75-09-2	Methylene Chloride	0.74	J B	4.1	0.55
179601-23-1	m-Xylene & p-Xylene	0.98	U	8.2	0.98
91-20-3	Naphthalene	0.16	U	4.1	0.16
104-51-8	n-Butylbenzene	0.19	U	4.1	0.19
103-65-1	n-Propylbenzene	0.33	U	4.1	0.33
95-47-6	o-Xylene	0.29	U	4.1	0.29
99-87-6	p-Isopropyltoluene	0.17	U	4.1	0.17
135-98-8	sec-Butylbenzene	0.15	U	4.1	0.15
100-42-5	Styrene	0.12	U	4.1	0.12
994-05-8	Tert-amyl-methyl ether (TAME)	0.30	U	4.1	0.30
75-65-0	tert-Butyl alcohol	6.2	U	160	6.2
98-06-6	tert-Butylbenzene	0.24	U	4.1	0.24
127-18-4	Tetrachloroethene	0.42	U	4.1	0.42
108-88-3	Toluene	0.22	U	4.1	0.22
156-60-5	trans-1,2-Dichloroethene	0.33	U	4.1	0.33
10061-02-6	trans-1,3-Dichloropropene	0.44	U	4.1	0.44
79-01-6	Trichloroethene	980	E	4.1	0.34
75-69-4	Trichlorofluoromethane	0.28	U	4.1	0.28
108-05-4	Vinyl acetate	0.20	U *	8.2	0.20
75-01-4	Vinyl chloride	1.5	J	4.1	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36288-1
 SDG No.: _____
 Client Sample ID: MRC-E-SB-1360-15 Lab Sample ID: 240-36288-1
 Matrix: Solid Lab File ID: UX80638.D
 Analysis Method: 8260B Date Collected: 04/17/2014 09:40
 Sample wt/vol: 7.305(g) Date Analyzed: 04/23/2014 06:06
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
 % Moisture: 16.2 Level: (low/med) Low
 Analysis Batch No.: 127498 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	0.29	U	8.2	0.29

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	84		58-123
460-00-4	4-Bromofluorobenzene (Surr)	94		52-136
1868-53-7	Dibromofluoromethane (Surr)	97		37-132
2037-26-5	Toluene-d8 (Surr)	91		67-125

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

Lab Name: TestAmerica Canton Job No.: 240-36288-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1360-15 Lab Sample ID: 240-36288-1
Matrix: Solid Lab File ID: UX80638.D
Analysis Method: 8260B Date Collected: 04/17/2014 09:40
Sample wt/vol: 7.305(g) Date Analyzed: 04/23/2014 06:06
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
% Moisture: 16.2 Level: (low/med) Low
Analysis Batch No.: 127498 Units: ug/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

Lab Name: TestAmerica Canton

Job No.: 240-36288-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1360-15

Lab Sample ID: 240-36288-1

Matrix: Solid

Lab File ID: 147783.D

Analysis Method: 8260B

Date Collected: 04/17/2014 09:40

Sample wt/vol: 6.776(g)

Date Analyzed: 04/22/2014 16:44

Soil Aliquot Vol: 100 (uL)

Dilution Factor: 1

Soil Extract Vol.: 5(mL)

GC Column: DB-624 ID: 0.18(mm)

% Moisture: 16.2

Level: (low/med) Medium

Analysis Batch No.: 127404

Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	8.0	U	220	8.0
71-55-6	1,1,1-Trichloroethane	18	U	220	18
79-34-5	1,1,2,2-Tetrachloroethane	7.8	U	220	7.8
76-13-1	1,1,2-Trichloro-1,2,2-trichloroethane	34	U	220	34
75-34-3	1,1-Dichloroethane	15	U	220	15
75-35-4	1,1-Dichloroethene	16	U	220	16
563-58-6	1,1-Dichloropropene	8.8	U	220	8.8
87-61-6	1,2,3-Trichlorobenzene	8.8	U	220	8.8
96-18-4	1,2,3-Trichloropropane	18	U	220	18
526-73-8	1,2,3-Trimethylbenzene	0.15	U	220	0.15
120-82-1	1,2,4-Trichlorobenzene	6.4	U	220	6.4
95-63-6	1,2,4-Trimethylbenzene	4.4	U	220	4.4
96-12-8	1,2-Dibromo-3-Chloropropane	44	U	440	44
106-93-4	1,2-Dibromoethane	8.8	U	220	8.8
95-50-1	1,2-Dichlorobenzene	7.6	U	220	7.6
107-06-2	1,2-Dichloroethane	8.8	U	220	8.8
78-87-5	1,2-Dichloropropane	7.2	U	220	7.2
541-73-1	1,3-Dichlorobenzene	4.2	U	220	4.2
142-28-9	1,3-Dichloropropane	19	U	220	19
106-46-7	1,4-Dichlorobenzene	7.0	U	220	7.0
594-20-7	2,2-Dichloropropane	20	U	220	20
78-93-3	2-Butanone	38	U	880	38
110-75-8	2-Chloroethyl vinyl ether	38	U	880	38
95-49-8	2-Chlorotoluene	7.9	U	220	7.9
591-78-6	2-Hexanone	18	U	880	18
106-43-4	4-Chlorotoluene	8.7	U	220	8.7
108-10-1	4-Methyl-2-pentanone	42	U	880	42
67-64-1	Acetone	150	U	880	150
71-43-2	Benzene	11	U	220	11
108-86-1	Bromobenzene	11	U	220	11
74-97-5	Bromochloromethane	11	U	220	11
75-27-4	Bromodichloromethane	8.7	U	220	8.7
75-25-2	Bromoform	17	U	220	17
74-83-9	Bromomethane	26	U	220	26
75-15-0	Carbon disulfide	11	U	220	11

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36288-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1360-15 Lab Sample ID: 240-36288-1

Matrix: Solid Lab File ID: 147783.D

Analysis Method: 8260B Date Collected: 04/17/2014 09:40

Sample wt/vol: 6.776(g) Date Analyzed: 04/22/2014 16:44

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

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

% Moisture: 16.2 Level: (low/med) Medium

Analysis Batch No.: 127404 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	5.6	U	220	5.6
108-90-7	Chlorobenzene	5.6	U	220	5.6
75-00-3	Chloroethane	54	U	220	54
67-66-3	Chloroform	7.7	U	220	7.7
74-87-3	Chloromethane	12	U	220	12
156-59-2	cis-1,2-Dichloroethene	48	J	220	6.1
10061-01-5	cis-1,3-Dichloropropene	7.0	U	220	7.0
124-48-1	Dibromochloromethane	11	U	220	11
74-95-3	Dibromomethane	12	U	220	12
75-71-8	Dichlorodifluoromethane	14	U	220	14
108-20-3	Diisopropyl ether	44	U	440	44
100-41-4	Ethylbenzene	4.8	U	220	4.8
637-92-3	Ethyl-t-butyl ether (ETBE)	0.19	U	220	0.19
87-68-3	Hexachlorobutadiene	12	U	220	12
98-82-8	Isopropylbenzene	5.7	U	220	5.7
1634-04-4	Methyl tert-butyl ether	6.2	U	220	6.2
75-09-2	Methylene Chloride	68	U	220	68
179601-23-1	m-Xylene & p-Xylene	5.5	U	220	5.5
91-20-3	Naphthalene	5.9	U	220	5.9
104-51-8	n-Butylbenzene	7.0	U	220	7.0
103-65-1	n-Propylbenzene	12	U	220	12
95-47-6	o-Xylene	7.5	U	220	7.5
99-87-6	p-Isopropyltoluene	4.2	U	220	4.2
135-98-8	sec-Butylbenzene	4.1	U	220	4.1
100-42-5	Styrene	9.1	J B	220	4.9
994-05-8	Tert-amyl-methyl ether (TAME)	0.33	U	220	0.33
75-65-0	tert-Butyl alcohol	210	U	8800	210
98-06-6	tert-Butylbenzene	5.7	U	220	5.7
127-18-4	Tetrachloroethene	11	U	220	11
108-88-3	Toluene	15	U	220	15
156-60-5	trans-1,2-Dichloroethene	8.1	U	220	8.1
10061-02-6	trans-1,3-Dichloropropene	18	U	220	18
79-01-6	Trichloroethene	73	J	220	8.5
75-69-4	Trichlorofluoromethane	14	U	220	14
108-05-4	Vinyl acetate	20	U *	440	20
75-01-4	Vinyl chloride	16	U	220	16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36288-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1360-15 Lab Sample ID: 240-36288-1

Matrix: Solid Lab File ID: 147783.D

Analysis Method: 8260B Date Collected: 04/17/2014 09:40

Sample wt/vol: 6.776(g) Date Analyzed: 04/22/2014 16:44

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

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

% Moisture: 16.2 Level: (low/med) Medium

Analysis Batch No.: 127404 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	5.5	U	440	5.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		39-128
460-00-4	4-Bromofluorobenzene (Surr)	86		26-141
1868-53-7	Dibromofluoromethane (Surr)	84		30-122
2037-26-5	Toluene-d8 (Surr)	98		33-134

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

Lab Name: TestAmerica Canton Job No.: 240-36288-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1360-15 Lab Sample ID: 240-36288-1
Matrix: Solid Lab File ID: 147783.D
Analysis Method: 8260B Date Collected: 04/17/2014 09:40
Sample wt/vol: 6.776(g) Date Analyzed: 04/22/2014 16:44
Soil Aliquot Vol: 100 (uL) Dilution Factor: 1
Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)
% Moisture: 16.2 Level: (low/med) Medium
Analysis Batch No.: 127404 Units: ug/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

Lab Name: TestAmerica Canton Job No.: 240-36288-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1360-20 Lab Sample ID: 240-36288-2

Matrix: Solid Lab File ID: 147784.D

Analysis Method: 8260B Date Collected: 04/17/2014 09:45

Sample wt/vol: 6.844(g) Date Analyzed: 04/22/2014 17:05

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

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

% Moisture: 16.4 Level: (low/med) Medium

Analysis Batch No.: 127404 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	7.9	U	220	7.9
71-55-6	1,1,1-Trichloroethane	18	U	220	18
79-34-5	1,1,2,2-Tetrachloroethane	7.8	U	220	7.8
76-13-1	1,1,2-Trichloro-1,2,2-trichloroethane	34	U	220	34
75-34-3	1,1-Dichloroethane	15	U	220	15
75-35-4	1,1-Dichloroethene	16	U	220	16
563-58-6	1,1-Dichloropropene	8.7	U	220	8.7
87-61-6	1,2,3-Trichlorobenzene	8.7	U	220	8.7
96-18-4	1,2,3-Trichloropropane	18	U	220	18
526-73-8	1,2,3-Trimethylbenzene	0.15	U	220	0.15
120-82-1	1,2,4-Trichlorobenzene	6.4	U	220	6.4
95-63-6	1,2,4-Trimethylbenzene	4.4	U	220	4.4
96-12-8	1,2-Dibromo-3-Chloropropane	44	U	440	44
106-93-4	1,2-Dibromoethane	8.7	U	220	8.7
95-50-1	1,2-Dichlorobenzene	7.5	U	220	7.5
107-06-2	1,2-Dichloroethane	8.7	U	220	8.7
78-87-5	1,2-Dichloropropane	7.2	U	220	7.2
541-73-1	1,3-Dichlorobenzene	4.2	U	220	4.2
142-28-9	1,3-Dichloropropane	19	U	220	19
106-46-7	1,4-Dichlorobenzene	7.0	U	220	7.0
594-20-7	2,2-Dichloropropane	20	U	220	20
78-93-3	2-Butanone	38	U	870	38
110-75-8	2-Chloroethyl vinyl ether	38	U	870	38
95-49-8	2-Chlorotoluene	7.9	U	220	7.9
591-78-6	2-Hexanone	17	U	870	17
106-43-4	4-Chlorotoluene	8.6	U	220	8.6
108-10-1	4-Methyl-2-pentanone	42	U	870	42
67-64-1	Acetone	150	U	870	150
71-43-2	Benzene	10	U	220	10
108-86-1	Bromobenzene	11	U	220	11
74-97-5	Bromochloromethane	11	U	220	11
75-27-4	Bromodichloromethane	8.6	U	220	8.6
75-25-2	Bromoform	17	U	220	17
74-83-9	Bromomethane	25	U	220	25
75-15-0	Carbon disulfide	10	U	220	10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton

Job No.: 240-36288-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1360-20

Lab Sample ID: 240-36288-2

Matrix: Solid

Lab File ID: 147784.D

Analysis Method: 8260B

Date Collected: 04/17/2014 09:45

Sample wt/vol: 6.844(g)

Date Analyzed: 04/22/2014 17:05

Soil Aliquot Vol: 100 (uL)

Dilution Factor: 1

Soil Extract Vol.: 5(mL)

GC Column: DB-624 ID: 0.18(mm)

% Moisture: 16.4

Level: (low/med) Medium

Analysis Batch No.: 127404

Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	5.6	U	220	5.6
108-90-7	Chlorobenzene	5.6	U	220	5.6
75-00-3	Chloroethane	53	U	220	53
67-66-3	Chloroform	7.7	U	220	7.7
74-87-3	Chloromethane	12	U	220	12
156-59-2	cis-1,2-Dichloroethene	230		220	6.0
10061-01-5	cis-1,3-Dichloropropene	6.9	U	220	6.9
124-48-1	Dibromochloromethane	10	U	220	10
74-95-3	Dibromomethane	12	U	220	12
75-71-8	Dichlorodifluoromethane	14	U	220	14
108-20-3	Diisopropyl ether	44	U	440	44
100-41-4	Ethylbenzene	4.7	U	220	4.7
637-92-3	Ethyl-t-butyl ether (ETBE)	0.19	U	220	0.19
87-68-3	Hexachlorobutadiene	12	U	220	12
98-82-8	Isopropylbenzene	5.7	U	220	5.7
1634-04-4	Methyl tert-butyl ether	6.2	U	220	6.2
75-09-2	Methylene Chloride	67	U	220	67
179601-23-1	m-Xylene & p-Xylene	5.4	U	220	5.4
91-20-3	Naphthalene	5.9	U	220	5.9
104-51-8	n-Butylbenzene	7.0	U	220	7.0
103-65-1	n-Propylbenzene	12	U	220	12
95-47-6	o-Xylene	7.4	U	220	7.4
99-87-6	p-Isopropyltoluene	4.2	U	220	4.2
135-98-8	sec-Butylbenzene	4.1	U	220	4.1
100-42-5	Styrene	8.3	J B	220	4.9
994-05-8	Tert-amyl-methyl ether (TAME)	0.32	U	220	0.32
75-65-0	tert-Butyl alcohol	210	U	8700	210
98-06-6	tert-Butylbenzene	5.7	U	220	5.7
127-18-4	Tetrachloroethene	10	U	220	10
108-88-3	Toluene	15	U	220	15
156-60-5	trans-1,2-Dichloroethene	8.0	U	220	8.0
10061-02-6	trans-1,3-Dichloropropene	17	U	220	17
79-01-6	Trichloroethene	520		220	8.5
75-69-4	Trichlorofluoromethane	14	U	220	14
108-05-4	Vinyl acetate	20	U *	440	20
75-01-4	Vinyl chloride	16	U	220	16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36288-1
 SDG No.: _____
 Client Sample ID: MRC-E-SB-1360-20 Lab Sample ID: 240-36288-2
 Matrix: Solid Lab File ID: 147784.D
 Analysis Method: 8260B Date Collected: 04/17/2014 09:45
 Sample wt/vol: 6.844(g) Date Analyzed: 04/22/2014 17:05
 Soil Aliquot Vol: 100 (uL) Dilution Factor: 1
 Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)
 % Moisture: 16.4 Level: (low/med) Medium
 Analysis Batch No.: 127404 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	5.4	U	440	5.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		39-128
460-00-4	4-Bromofluorobenzene (Surr)	86		26-141
1868-53-7	Dibromofluoromethane (Surr)	85		30-122
2037-26-5	Toluene-d8 (Surr)	95		33-134

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

Lab Name: TestAmerica Canton Job No.: 240-36288-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1360-20 Lab Sample ID: 240-36288-2
Matrix: Solid Lab File ID: 147784.D
Analysis Method: 8260B Date Collected: 04/17/2014 09:45
Sample wt/vol: 6.844(g) Date Analyzed: 04/22/2014 17:05
Soil Aliquot Vol: 100 (uL) Dilution Factor: 1
Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)
% Moisture: 16.4 Level: (low/med) Medium
Analysis Batch No.: 127404 Units: ug/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

Lab Name: TestAmerica Canton Job No.: 240-36288-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1360-25 Lab Sample ID: 240-36288-3

Matrix: Solid Lab File ID: UX80640.D

Analysis Method: 8260B Date Collected: 04/17/2014 09:50

Sample wt/vol: 6.172(g) Date Analyzed: 04/23/2014 06:49

Soil Aliquot Vol: _____ Dilution Factor: 1

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

% Moisture: 14.6 Level: (low/med) Low

Analysis Batch No.: 127498 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.59	U	4.7	0.59
71-55-6	1,1,1-Trichloroethane	0.53	U	4.7	0.53
79-34-5	1,1,2,2-Tetrachloroethane	0.32	U	4.7	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichloroethane	1.2	U	4.7	1.2
75-34-3	1,1-Dichloroethane	0.34	U	4.7	0.34
75-35-4	1,1-Dichloroethene	0.49	U	4.7	0.49
563-58-6	1,1-Dichloropropene	0.28	U	4.7	0.28
87-61-6	1,2,3-Trichlorobenzene	0.36	U	4.7	0.36
96-18-4	1,2,3-Trichloropropane	0.85	U	4.7	0.85
526-73-8	1,2,3-Trimethylbenzene	0.16	U	4.7	0.16
120-82-1	1,2,4-Trichlorobenzene	0.26	U	4.7	0.26
95-63-6	1,2,4-Trimethylbenzene	0.62	U	4.7	0.62
96-12-8	1,2-Dibromo-3-Chloropropane	1.2	U	9.5	1.2
106-93-4	1,2-Dibromoethane	0.47	U	4.7	0.47
95-50-1	1,2-Dichlorobenzene	0.34	U	4.7	0.34
107-06-2	1,2-Dichloroethane	0.32	U	4.7	0.32
78-87-5	1,2-Dichloropropane	0.65	U	4.7	0.65
541-73-1	1,3-Dichlorobenzene	0.33	U	4.7	0.33
142-28-9	1,3-Dichloropropane	0.32	U	4.7	0.32
106-46-7	1,4-Dichlorobenzene	0.63	U	4.7	0.63
594-20-7	2,2-Dichloropropane	0.89	U	4.7	0.89
78-93-3	2-Butanone	1.3	U	19	1.3
110-75-8	2-Chloroethyl vinyl ether	1.3	U	47	1.3
95-49-8	2-Chlorotoluene	0.38	U	4.7	0.38
591-78-6	2-Hexanone	0.60	U	19	0.60
106-43-4	4-Chlorotoluene	0.39	U	4.7	0.39
108-10-1	4-Methyl-2-pentanone	0.51	U	19	0.51
67-64-1	Acetone	6.0	U	19	6.0
71-43-2	Benzene	0.22	U	4.7	0.22
108-86-1	Bromobenzene	0.31	U	4.7	0.31
74-97-5	Bromochloromethane	0.67	U	4.7	0.67
75-27-4	Bromodichloromethane	0.27	U	4.7	0.27
75-25-2	Bromoform	0.31	U	4.7	0.31
74-83-9	Bromomethane	0.51	U	4.7	0.51
75-15-0	Carbon disulfide	0.42	U	4.7	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36288-1
 SDG No.: _____
 Client Sample ID: MRC-E-SB-1360-25 Lab Sample ID: 240-36288-3
 Matrix: Solid Lab File ID: UX80640.D
 Analysis Method: 8260B Date Collected: 04/17/2014 09:50
 Sample wt/vol: 6.172(g) Date Analyzed: 04/23/2014 06:49
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
 % Moisture: 14.6 Level: (low/med) Low
 Analysis Batch No.: 127498 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	0.35	U	4.7	0.35
108-90-7	Chlorobenzene	0.31	U	4.7	0.31
75-00-3	Chloroethane	0.82	U	4.7	0.82
67-66-3	Chloroform	0.28	U	4.7	0.28
74-87-3	Chloromethane	0.39	U	4.7	0.39
156-59-2	cis-1,2-Dichloroethene	3.0	J	4.7	0.34
10061-01-5	cis-1,3-Dichloropropene	0.32	U	4.7	0.32
124-48-1	Dibromochloromethane	0.52	U	4.7	0.52
74-95-3	Dibromomethane	0.60	U	4.7	0.60
75-71-8	Dichlorodifluoromethane	0.47	U	4.7	0.47
108-20-3	Diisopropyl ether	1.4	U	9.5	1.4
100-41-4	Ethylbenzene	0.25	U	4.7	0.25
637-92-3	Ethyl-t-butyl ether (ETBE)	0.21	U	4.7	0.21
87-68-3	Hexachlorobutadiene	1.1	U	4.7	1.1
98-82-8	Isopropylbenzene	0.15	U	4.7	0.15
1634-04-4	Methyl tert-butyl ether	0.41	U	4.7	0.41
75-09-2	Methylene Chloride	0.85	J B	4.7	0.64
179601-23-1	m-Xylene & p-Xylene	1.1	U	9.5	1.1
91-20-3	Naphthalene	0.18	U	4.7	0.18
104-51-8	n-Butylbenzene	0.22	U	4.7	0.22
103-65-1	n-Propylbenzene	0.38	U	4.7	0.38
95-47-6	o-Xylene	0.33	U	4.7	0.33
99-87-6	p-Isopropyltoluene	0.20	U	4.7	0.20
135-98-8	sec-Butylbenzene	0.17	U	4.7	0.17
100-42-5	Styrene	0.14	U	4.7	0.14
994-05-8	Tert-amyl-methyl ether (TAME)	0.35	U	4.7	0.35
75-65-0	tert-Butyl alcohol	7.2	U	190	7.2
98-06-6	tert-Butylbenzene	0.28	U	4.7	0.28
127-18-4	Tetrachloroethene	0.49	U	4.7	0.49
108-88-3	Toluene	0.26	U	4.7	0.26
156-60-5	trans-1,2-Dichloroethene	0.39	U	4.7	0.39
10061-02-6	trans-1,3-Dichloropropene	0.51	U	4.7	0.51
79-01-6	Trichloroethene	1000	E	4.7	0.40
75-69-4	Trichlorofluoromethane	0.32	U	4.7	0.32
108-05-4	Vinyl acetate	0.24	U *	9.5	0.24
75-01-4	Vinyl chloride	0.37	U	4.7	0.37

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36288-1
 SDG No.: _____
 Client Sample ID: MRC-E-SB-1360-25 Lab Sample ID: 240-36288-3
 Matrix: Solid Lab File ID: UX80640.D
 Analysis Method: 8260B Date Collected: 04/17/2014 09:50
 Sample wt/vol: 6.172(g) Date Analyzed: 04/23/2014 06:49
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
 % Moisture: 14.6 Level: (low/med) Low
 Analysis Batch No.: 127498 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	0.33	U	9.5	0.33

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		58-123
460-00-4	4-Bromofluorobenzene (Surr)	97		52-136
1868-53-7	Dibromofluoromethane (Surr)	104		37-132
2037-26-5	Toluene-d8 (Surr)	95		67-125

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

Lab Name: TestAmerica Canton Job No.: 240-36288-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1360-25 Lab Sample ID: 240-36288-3
Matrix: Solid Lab File ID: UX80640.D
Analysis Method: 8260B Date Collected: 04/17/2014 09:50
Sample wt/vol: 6.172(g) Date Analyzed: 04/23/2014 06:49
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
% Moisture: 14.6 Level: (low/med) Low
Analysis Batch No.: 127498 Units: ug/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

Lab Name: TestAmerica Canton

Job No.: 240-36288-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1360-25

Lab Sample ID: 240-36288-3

Matrix: Solid

Lab File ID: 147785.D

Analysis Method: 8260B

Date Collected: 04/17/2014 09:50

Sample wt/vol: 6.182(g)

Date Analyzed: 04/22/2014 17:26

Soil Aliquot Vol: 100 (uL)

Dilution Factor: 1

Soil Extract Vol.: 5(mL)

GC Column: DB-624

ID: 0.18(mm)

% Moisture: 14.6

Level: (low/med) Medium

Analysis Batch No.: 127404

Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	8.6	U	240	8.6
71-55-6	1,1,1-Trichloroethane	20	U	240	20
79-34-5	1,1,2,2-Tetrachloroethane	8.4	U	240	8.4
76-13-1	1,1,2-Trichloro-1,2,2-trichloroethane	37	U	240	37
75-34-3	1,1-Dichloroethane	16	U	240	16
75-35-4	1,1-Dichloroethene	17	U	240	17
563-58-6	1,1-Dichloropropene	9.5	U	240	9.5
87-61-6	1,2,3-Trichlorobenzene	9.5	U	240	9.5
96-18-4	1,2,3-Trichloropropane	20	U	240	20
526-73-8	1,2,3-Trimethylbenzene	0.16	U	240	0.16
120-82-1	1,2,4-Trichlorobenzene	6.9	U	240	6.9
95-63-6	1,2,4-Trimethylbenzene	4.7	U	240	4.7
96-12-8	1,2-Dibromo-3-Chloropropane	47	U	470	47
106-93-4	1,2-Dibromoethane	9.5	U	240	9.5
95-50-1	1,2-Dichlorobenzene	8.1	U	240	8.1
107-06-2	1,2-Dichloroethane	9.5	U	240	9.5
78-87-5	1,2-Dichloropropane	7.8	U	240	7.8
541-73-1	1,3-Dichlorobenzene	4.5	U	240	4.5
142-28-9	1,3-Dichloropropane	21	U	240	21
106-46-7	1,4-Dichlorobenzene	7.6	U	240	7.6
594-20-7	2,2-Dichloropropane	22	U	240	22
78-93-3	2-Butanone	41	U	950	41
110-75-8	2-Chloroethyl vinyl ether	41	U	950	41
95-49-8	2-Chlorotoluene	8.5	U	240	8.5
591-78-6	2-Hexanone	19	U	950	19
106-43-4	4-Chlorotoluene	9.4	U	240	9.4
108-10-1	4-Methyl-2-pentanone	45	U	950	45
67-64-1	Acetone	160	U	950	160
71-43-2	Benzene	11	U	240	11
108-86-1	Bromobenzene	12	U	240	12
74-97-5	Bromochloromethane	12	U	240	12
75-27-4	Bromodichloromethane	9.4	U	240	9.4
75-25-2	Bromoform	18	U	240	18
74-83-9	Bromomethane	27	U	240	27
75-15-0	Carbon disulfide	11	U	240	11

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton

Job No.: 240-36288-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1360-25

Lab Sample ID: 240-36288-3

Matrix: Solid

Lab File ID: 147785.D

Analysis Method: 8260B

Date Collected: 04/17/2014 09:50

Sample wt/vol: 6.182(g)

Date Analyzed: 04/22/2014 17:26

Soil Aliquot Vol: 100 (uL)

Dilution Factor: 1

Soil Extract Vol.: 5(mL)

GC Column: DB-624 ID: 0.18(mm)

% Moisture: 14.6

Level: (low/med) Medium

Analysis Batch No.: 127404

Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	6.1	U	240	6.1
108-90-7	Chlorobenzene	6.1	U	240	6.1
75-00-3	Chloroethane	58	U	240	58
67-66-3	Chloroform	8.3	U	240	8.3
74-87-3	Chloromethane	13	U	240	13
156-59-2	cis-1,2-Dichloroethene	6.5	U	240	6.5
10061-01-5	cis-1,3-Dichloropropene	7.5	U	240	7.5
124-48-1	Dibromochloromethane	11	U	240	11
74-95-3	Dibromomethane	13	U	240	13
75-71-8	Dichlorodifluoromethane	15	U	240	15
108-20-3	Diisopropyl ether	47	U	470	47
100-41-4	Ethylbenzene	5.1	U	240	5.1
637-92-3	Ethyl-t-butyl ether (ETBE)	0.21	U	240	0.21
87-68-3	Hexachlorobutadiene	13	U	240	13
98-82-8	Isopropylbenzene	6.2	U	240	6.2
1634-04-4	Methyl tert-butyl ether	6.7	U	240	6.7
75-09-2	Methylene Chloride	73	U	240	73
179601-23-1	m-Xylene & p-Xylene	5.9	U	240	5.9
91-20-3	Naphthalene	6.3	U	240	6.3
104-51-8	n-Butylbenzene	7.6	U	240	7.6
103-65-1	n-Propylbenzene	13	U	240	13
95-47-6	o-Xylene	8.0	U	240	8.0
99-87-6	p-Isopropyltoluene	4.5	U	240	4.5
135-98-8	sec-Butylbenzene	4.5	U	240	4.5
100-42-5	Styrene	5.3	U	240	5.3
994-05-8	Tert-amyl-methyl ether (TAME)	0.35	U	240	0.35
75-65-0	tert-Butyl alcohol	230	U	9500	230
98-06-6	tert-Butylbenzene	6.2	U	240	6.2
127-18-4	Tetrachloroethene	11	U	240	11
108-88-3	Toluene	16	U	240	16
156-60-5	trans-1,2-Dichloroethene	8.7	U	240	8.7
10061-02-6	trans-1,3-Dichloropropene	19	U	240	19
79-01-6	Trichloroethene	92	J	240	9.2
75-69-4	Trichlorofluoromethane	15	U	240	15
108-05-4	Vinyl acetate	22	U *	470	22
75-01-4	Vinyl chloride	17	U	240	17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36288-1
 SDG No.: _____
 Client Sample ID: MRC-E-SB-1360-25 Lab Sample ID: 240-36288-3
 Matrix: Solid Lab File ID: 147785.D
 Analysis Method: 8260B Date Collected: 04/17/2014 09:50
 Sample wt/vol: 6.182(g) Date Analyzed: 04/22/2014 17:26
 Soil Aliquot Vol: 100 (uL) Dilution Factor: 1
 Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)
 % Moisture: 14.6 Level: (low/med) Medium
 Analysis Batch No.: 127404 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	5.9	U	470	5.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		39-128
460-00-4	4-Bromofluorobenzene (Surr)	92		26-141
1868-53-7	Dibromofluoromethane (Surr)	91		30-122
2037-26-5	Toluene-d8 (Surr)	104		33-134

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

Lab Name: TestAmerica Canton Job No.: 240-36288-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1360-25 Lab Sample ID: 240-36288-3
Matrix: Solid Lab File ID: 147785.D
Analysis Method: 8260B Date Collected: 04/17/2014 09:50
Sample wt/vol: 6.182(g) Date Analyzed: 04/22/2014 17:26
Soil Aliquot Vol: 100 (uL) Dilution Factor: 1
Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)
% Moisture: 14.6 Level: (low/med) Medium
Analysis Batch No.: 127404 Units: ug/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

Lab Name: TestAmerica Canton Job No.: 240-36288-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1360-28 Lab Sample ID: 240-36288-4

Matrix: Solid Lab File ID: 147787.D

Analysis Method: 8260B Date Collected: 04/17/2014 09:55

Sample wt/vol: 6.61(g) Date Analyzed: 04/22/2014 18:09

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

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

% Moisture: 18.3 Level: (low/med) Medium

Analysis Batch No.: 127404 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	8.4	U	230	8.4
71-55-6	1,1,1-Trichloroethane	19	U	230	19
79-34-5	1,1,2,2-Tetrachloroethane	8.2	U	230	8.2
76-13-1	1,1,2-Trichloro-1,2,2-trichloroethane	36	U	230	36
75-34-3	1,1-Dichloroethane	16	U	230	16
75-35-4	1,1-Dichloroethene	17	U	230	17
563-58-6	1,1-Dichloropropene	9.3	U	230	9.3
87-61-6	1,2,3-Trichlorobenzene	9.3	U	230	9.3
96-18-4	1,2,3-Trichloropropane	19	U	230	19
526-73-8	1,2,3-Trimethylbenzene	0.16	U	230	0.16
120-82-1	1,2,4-Trichlorobenzene	6.8	U	230	6.8
95-63-6	1,2,4-Trimethylbenzene	4.6	U	230	4.6
96-12-8	1,2-Dibromo-3-Chloropropane	46	U	460	46
106-93-4	1,2-Dibromoethane	9.3	U	230	9.3
95-50-1	1,2-Dichlorobenzene	8.0	U	230	8.0
107-06-2	1,2-Dichloroethane	9.3	U	230	9.3
78-87-5	1,2-Dichloropropane	7.6	U	230	7.6
541-73-1	1,3-Dichlorobenzene	4.4	U	230	4.4
142-28-9	1,3-Dichloropropane	20	U	230	20
106-46-7	1,4-Dichlorobenzene	7.4	U	230	7.4
594-20-7	2,2-Dichloropropane	21	U	230	21
78-93-3	2-Butanone	40	U	930	40
110-75-8	2-Chloroethyl vinyl ether	40	U	930	40
95-49-8	2-Chlorotoluene	8.3	U	230	8.3
591-78-6	2-Hexanone	19	U	930	19
106-43-4	4-Chlorotoluene	9.2	U	230	9.2
108-10-1	4-Methyl-2-pentanone	44	U	930	44
67-64-1	Acetone	160	U	930	160
71-43-2	Benzene	11	U	230	11
108-86-1	Bromobenzene	12	U	230	12
74-97-5	Bromochloromethane	12	U	230	12
75-27-4	Bromodichloromethane	9.2	U	230	9.2
75-25-2	Bromoform	18	U	230	18
74-83-9	Bromomethane	27	U	230	27
75-15-0	Carbon disulfide	11	U	230	11

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton

Job No.: 240-36288-1

SDG No.:

Client Sample ID: MRC-E-SB-1360-28

Lab Sample ID: 240-36288-4

Matrix: Solid

Lab File ID: 147787.D

Analysis Method: 8260B

Date Collected: 04/17/2014 09:55

Sample wt/vol: 6.61(g)

Date Analyzed: 04/22/2014 18:09

Soil Aliquot Vol: 100 (uL)

Dilution Factor: 1

Soil Extract Vol.: 5(mL)

GC Column: DB-624 ID: 0.18(mm)

% Moisture: 18.3

Level: (low/med) Medium

Analysis Batch No.: 127404

Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	5.9	U	230	5.9
108-90-7	Chlorobenzene	5.9	U	230	5.9
75-00-3	Chloroethane	56	U	230	56
67-66-3	Chloroform	8.1	U	230	8.1
74-87-3	Chloromethane	13	U	230	13
156-59-2	cis-1,2-Dichloroethene	70	J	230	6.4
10061-01-5	cis-1,3-Dichloropropene	7.3	U	230	7.3
124-48-1	Dibromochloromethane	11	U	230	11
74-95-3	Dibromomethane	13	U	230	13
75-71-8	Dichlorodifluoromethane	15	U	230	15
108-20-3	Diisopropyl ether	46	U	460	46
100-41-4	Ethylbenzene	5.0	U	230	5.0
637-92-3	Ethyl-t-butyl ether (ETBE)	0.20	U	230	0.20
87-68-3	Hexachlorobutadiene	13	U	230	13
98-82-8	Isopropylbenzene	6.0	U	230	6.0
1634-04-4	Methyl tert-butyl ether	6.6	U	230	6.6
75-09-2	Methylene Chloride	71	U	230	71
179601-23-1	m-Xylene & p-Xylene	5.7	U	230	5.7
91-20-3	Naphthalene	6.2	U	230	6.2
104-51-8	n-Butylbenzene	7.4	U	230	7.4
103-65-1	n-Propylbenzene	13	U	230	13
95-47-6	o-Xylene	7.9	U	230	7.9
99-87-6	p-Isopropyltoluene	4.4	U	230	4.4
135-98-8	sec-Butylbenzene	4.4	U	230	4.4
100-42-5	Styrene	7.0	J B	230	5.2
994-05-8	Tert-amyl-methyl ether (TAME)	0.34	U	230	0.34
75-65-0	tert-Butyl alcohol	220	U	9300	220
98-06-6	tert-Butylbenzene	6.0	U	230	6.0
127-18-4	Tetrachloroethene	11	U	230	11
108-88-3	Toluene	16	U	230	16
156-60-5	trans-1,2-Dichloroethene	8.5	U	230	8.5
10061-02-6	trans-1,3-Dichloropropene	19	U	230	19
79-01-6	Trichloroethene	5600		230	9.0
75-69-4	Trichlorofluoromethane	15	U	230	15
108-05-4	Vinyl acetate	21	U *	460	21
75-01-4	Vinyl chloride	17	U	230	17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36288-1
 SDG No.: _____
 Client Sample ID: MRC-E-SB-1360-28 Lab Sample ID: 240-36288-4
 Matrix: Solid Lab File ID: 147787.D
 Analysis Method: 8260B Date Collected: 04/17/2014 09:55
 Sample wt/vol: 6.61(g) Date Analyzed: 04/22/2014 18:09
 Soil Aliquot Vol: 100 (uL) Dilution Factor: 1
 Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)
 % Moisture: 18.3 Level: (low/med) Medium
 Analysis Batch No.: 127404 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	5.7	U	460	5.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		39-128
460-00-4	4-Bromofluorobenzene (Surr)	87		26-141
1868-53-7	Dibromofluoromethane (Surr)	79		30-122
2037-26-5	Toluene-d8 (Surr)	91		33-134

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

Lab Name: TestAmerica Canton Job No.: 240-36288-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1360-28 Lab Sample ID: 240-36288-4
Matrix: Solid Lab File ID: 147787.D
Analysis Method: 8260B Date Collected: 04/17/2014 09:55
Sample wt/vol: 6.61(g) Date Analyzed: 04/22/2014 18:09
Soil Aliquot Vol: 100 (uL) Dilution Factor: 1
Soil Extract Vol.: 5 (mL) GC Column: DB-624 ID: 0.18 (mm)
% Moisture: 18.3 Level: (low/med) Medium
Analysis Batch No.: 127404 Units: ug/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

Lab Name: TestAmerica Canton Job No.: 240-36288-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1359-15 Lab Sample ID: 240-36288-5

Matrix: Solid Lab File ID: 147792.D

Analysis Method: 8260B Date Collected: 04/17/2014 12:15

Sample wt/vol: 6.219(g) Date Analyzed: 04/22/2014 19:56

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 127404 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U		4.0	0.50
71-55-6	1,1,1-Trichloroethane	0.45 U		4.0	0.45
79-34-5	1,1,2,2-Tetrachloroethane	0.27 U		4.0	0.27
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0 U		4.0	1.0
75-34-3	1,1-Dichloroethane	0.29 U		4.0	0.29
75-35-4	1,1-Dichloroethene	0.42 U		4.0	0.42
563-58-6	1,1-Dichloropropene	0.24 U		4.0	0.24
87-61-6	1,2,3-Trichlorobenzene	0.31 U		4.0	0.31
96-18-4	1,2,3-Trichloropropane	0.72 U		4.0	0.72
526-73-8	1,2,3-Trimethylbenzene	0.14 U		4.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.22 U		4.0	0.22
95-63-6	1,2,4-Trimethylbenzene	0.52 U		4.0	0.52
96-12-8	1,2-Dibromo-3-Chloropropane	1.0 U		8.0	1.0
95-50-1	1,2-Dichlorobenzene	0.29 U		4.0	0.29
107-06-2	1,2-Dichloroethane	0.27 U		4.0	0.27
78-87-5	1,2-Dichloropropane	0.55 U		4.0	0.55
541-73-1	1,3-Dichlorobenzene	0.28 U		4.0	0.28
142-28-9	1,3-Dichloropropane	0.27 U		4.0	0.27
106-46-7	1,4-Dichlorobenzene	0.53 U		4.0	0.53
594-20-7	2,2-Dichloropropane	0.76 U		4.0	0.76
110-75-8	2-Chloroethyl vinyl ether	1.1 U		4.0	1.1
95-49-8	2-Chlorotoluene	0.32 U		4.0	0.32
591-78-6	2-Hexanone	0.51 U		16	0.51
108-86-1	Bromobenzene	0.27 U		4.0	0.27
74-97-5	Bromochloromethane	0.57 U		4.0	0.57
106-43-4	4-Chlorotoluene	0.33 U		4.0	0.33
99-87-6	p-Isopropyltoluene	0.17 U		4.0	0.17
67-64-1	Acetone	5.1 U		16	5.1
71-43-2	Benzene	0.18 U		4.0	0.18
75-25-2	Bromoform	0.27 U		4.0	0.27
74-83-9	Bromomethane	0.43 U		4.0	0.43
75-15-0	Carbon disulfide	0.93 U		4.0	0.35
56-23-5	Carbon tetrachloride	0.30 U		4.0	0.30
108-90-7	Chlorobenzene	0.27 U		4.0	0.27
75-00-3	Chloroethane	0.69 U		4.0	0.69

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton

Job No.: 240-36288-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1359-15

Lab Sample ID: 240-36288-5

Matrix: Solid

Lab File ID: 147792.D

Analysis Method: 8260B

Date Collected: 04/17/2014 12:15

Sample wt/vol: 6.219(g)

Date Analyzed: 04/22/2014 19:56

Soil Aliquot Vol: _____

Dilution Factor: 1

Soil Extract Vol.: _____

GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____

Level: (low/med) Low

Analysis Batch No.: 127404

Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.23	U	4.0	0.23
74-87-3	Chloromethane	0.33	U	4.0	0.33
156-59-2	cis-1,2-Dichloroethene	0.95	J	4.0	0.29
10061-01-5	cis-1,3-Dichloropropene	0.27	U	4.0	0.27
87-68-3	Hexachlorobutadiene	0.96	U	4.0	0.96
74-95-3	Dibromomethane	0.51	U	4.0	0.51
75-27-4	Bromodichloromethane	0.23	U	4.0	0.23
75-71-8	Dichlorodifluoromethane	0.40	U	4.0	0.40
100-41-4	Ethylbenzene	0.21	U	4.0	0.21
106-93-4	1,2-Dibromoethane	0.40	U	4.0	0.40
108-20-3	Diisopropyl ether	1.2	U	8.0	1.2
91-20-3	Naphthalene	0.15	U	4.0	0.15
179601-23-1	m-Xylene & p-Xylene	0.96	U	8.0	0.96
104-51-8	n-Butylbenzene	0.18	U	4.0	0.18
98-82-8	Isopropylbenzene	0.13	U	4.0	0.13
103-65-1	N-Propylbenzene	0.32	U	4.0	0.32
78-93-3	2-Butanone (MEK)	1.1	U	16	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	0.43	U	16	0.43
135-98-8	sec-Butylbenzene	0.14	U	4.0	0.14
1634-04-4	Methyl tert-butyl ether	0.35	U	4.0	0.35
994-05-8	Tert-amyl methyl ether	0.30	U	4.0	0.30
75-09-2	Methylene Chloride	0.54	U	4.0	0.54
95-47-6	o-Xylene	0.28	U	4.0	0.28
100-42-5	Styrene	0.12	U	4.0	0.12
637-92-3	Ethyl-t-butyl ether (ETBE)	0.18	U	4.0	0.18
98-06-6	tert-Butylbenzene	0.23	U	4.0	0.23
127-18-4	Tetrachloroethene	0.42	U	4.0	0.42
108-88-3	Toluene	0.22	U	4.0	0.22
156-60-5	trans-1,2-Dichloroethene	0.33	U	4.0	0.33
10061-02-6	trans-1,3-Dichloropropene	0.43	U	4.0	0.43
79-01-6	Trichloroethene	5.5		4.0	0.34
75-69-4	Trichlorofluoromethane	0.27	U	4.0	0.27
108-05-4	Vinyl acetate	0.20	U *	8.0	0.20
75-01-4	Vinyl chloride	0.31	U	4.0	0.31
75-65-0	tert-Butyl alcohol	17	J	160	6.1
1330-20-7	Xylenes, Total	0.28	U	8.0	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36288-1
 SDG No.: _____
 Client Sample ID: MRC-E-SB-1359-15 Lab Sample ID: 240-36288-5
 Matrix: Solid Lab File ID: 147792.D
 Analysis Method: 8260B Date Collected: 04/17/2014 12:15
 Sample wt/vol: 6.219(g) Date Analyzed: 04/22/2014 19:56
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 127404 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.44 U		4.0	0.44

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		58-123
460-00-4	4-Bromofluorobenzene (Surr)	76		52-136
2037-26-5	Toluene-d8 (Surr)	89		67-125
1868-53-7	Dibromofluoromethane (Surr)	79		37-132

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

Lab Name: TestAmerica Canton Job No.: 240-36288-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1359-15 Lab Sample ID: 240-36288-5
Matrix: Solid Lab File ID: 147792.D
Analysis Method: 8260B Date Collected: 04/17/2014 12:15
Sample wt/vol: 6.219(g) Date Analyzed: 04/22/2014 19:56
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 127404 Units: ug/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

Lab Name: TestAmerica Canton Job No.: 240-36288-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1359-20 Lab Sample ID: 240-36288-6

Matrix: Solid Lab File ID: 147793.D

Analysis Method: 8260B Date Collected: 04/17/2014 12:20

Sample wt/vol: 7.207(g) Date Analyzed: 04/22/2014 20:18

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 127404 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	3.5	0.43
71-55-6	1,1,1-Trichloroethane	0.39	U	3.5	0.39
79-34-5	1,1,2,2-Tetrachloroethane	0.24	U	3.5	0.24
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.90	U	3.5	0.90
75-34-3	1,1-Dichloroethane	0.25	U	3.5	0.25
75-35-4	1,1-Dichloroethene	0.36	U	3.5	0.36
563-58-6	1,1-Dichloropropene	0.21	U	3.5	0.21
87-61-6	1,2,3-Trichlorobenzene	0.26	U	3.5	0.26
96-18-4	1,2,3-Trichloropropane	0.62	U	3.5	0.62
526-73-8	1,2,3-Trimethylbenzene	0.12	U	3.5	0.12
120-82-1	1,2,4-Trichlorobenzene	0.19	U	3.5	0.19
95-63-6	1,2,4-Trimethylbenzene	0.45	U	3.5	0.45
96-12-8	1,2-Dibromo-3-Chloropropane	0.90	U	6.9	0.90
95-50-1	1,2-Dichlorobenzene	0.25	U	3.5	0.25
107-06-2	1,2-Dichloroethane	0.24	U	3.5	0.24
78-87-5	1,2-Dichloropropane	0.48	U	3.5	0.48
541-73-1	1,3-Dichlorobenzene	0.24	U	3.5	0.24
142-28-9	1,3-Dichloropropane	0.24	U	3.5	0.24
106-46-7	1,4-Dichlorobenzene	0.46	U	3.5	0.46
594-20-7	2,2-Dichloropropane	0.65	U	3.5	0.65
110-75-8	2-Chloroethyl vinyl ether	0.97	U	35	0.97
95-49-8	2-Chlorotoluene	0.28	U	3.5	0.28
591-78-6	2-Hexanone	0.44	U	14	0.44
108-86-1	Bromobenzene	0.23	U	3.5	0.23
74-97-5	Bromochloromethane	0.49	U	3.5	0.49
106-43-4	4-Chlorotoluene	0.28	U	3.5	0.28
99-87-6	p-Isopropyltoluene	0.15	U	3.5	0.15
67-64-1	Acetone	4.4	U	14	4.4
71-43-2	Benzene	0.16	U	3.5	0.16
75-25-2	Bromoform	0.23	U	3.5	0.23
74-83-9	Bromomethane	0.37	U	3.5	0.37
75-15-0	Carbon disulfide	0.85	J	3.5	0.31
56-23-5	Carbon tetrachloride	0.26	U	3.5	0.26
108-90-7	Chlorobenzene	0.23	U	3.5	0.23
75-00-3	Chloroethane	0.60	U	3.5	0.60

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36288-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1359-20 Lab Sample ID: 240-36288-6

Matrix: Solid Lab File ID: 147793.D

Analysis Method: 8260B Date Collected: 04/17/2014 12:20

Sample wt/vol: 7.207(g) Date Analyzed: 04/22/2014 20:18

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 127404 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.20	U	3.5	0.20
74-87-3	Chloromethane	0.28	U	3.5	0.28
156-59-2	cis-1,2-Dichloroethene	4.0		3.5	0.25
10061-01-5	cis-1,3-Dichloropropene	0.24	U	3.5	0.24
87-68-3	Hexachlorobutadiene	0.83	U	3.5	0.83
74-95-3	Dibromomethane	0.44	U	3.5	0.44
75-27-4	Bromodichloromethane	0.19	U	3.5	0.19
75-71-8	Dichlorodifluoromethane	0.35	U	3.5	0.35
100-41-4	Ethylbenzene	0.18	U	3.5	0.18
106-93-4	1,2-Dibromoethane	0.35	U	3.5	0.35
108-20-3	Diisopropyl ether	1.0	U	6.9	1.0
91-20-3	Naphthalene	0.13	U	3.5	0.13
179601-23-1	m-Xylene & p-Xylene	0.83	U	6.9	0.83
104-51-8	n-Butylbenzene	0.16	U	3.5	0.16
98-82-8	Isopropylbenzene	0.11	U	3.5	0.11
103-65-1	N-Propylbenzene	0.28	U	3.5	0.28
78-93-3	2-Butanone (MEK)	0.97	U	14	0.97
108-10-1	4-Methyl-2-pentanone (MIBK)	0.37	U	14	0.37
135-98-8	sec-Butylbenzene	0.12	U	3.5	0.12
1634-04-4	Methyl tert-butyl ether	0.30	U	3.5	0.30
994-05-8	Tert-amyl methyl ether	0.26	U	3.5	0.26
75-09-2	Methylene Chloride	0.46	U	3.5	0.46
95-47-6	o-Xylene	0.24	U	3.5	0.24
100-42-5	Styrene	0.10	U	3.5	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	3.5	0.15
98-06-6	tert-Butylbenzene	0.20	U	3.5	0.20
127-18-4	Tetrachloroethene	0.36	U	3.5	0.36
108-88-3	Toluene	0.19	U	3.5	0.19
156-60-5	trans-1,2-Dichloroethene	0.28	U	3.5	0.28
10061-02-6	trans-1,3-Dichloropropene	0.37	U	3.5	0.37
79-01-6	Trichloroethene	26		3.5	0.29
75-69-4	Trichlorofluoromethane	0.24	U	3.5	0.24
108-05-4	Vinyl acetate	0.17	U *	6.9	0.17
75-01-4	Vinyl chloride	0.27	U	3.5	0.27
75-65-0	tert-Butyl alcohol	5.3	U	140	5.3
1330-20-7	Xylenes, Total	0.24	U	6.9	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36288-1
 SDG No.: _____
 Client Sample ID: MRC-E-SB-1359-20 Lab Sample ID: 240-36288-6
 Matrix: Solid Lab File ID: 147793.D
 Analysis Method: 8260B Date Collected: 04/17/2014 12:20
 Sample wt/vol: 7.207(g) Date Analyzed: 04/22/2014 20:18
 Soil Aliquot Vol.: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 127404 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.38	U	3.5	0.38

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		58-123
460-00-4	4-Bromofluorobenzene (Surr)	78		52-136
2037-26-5	Toluene-d8 (Surr)	91		67-125
1868-53-7	Dibromofluoromethane (Surr)	78		37-132

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

Lab Name: TestAmerica Canton Job No.: 240-36288-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1359-20 Lab Sample ID: 240-36288-6
Matrix: Solid Lab File ID: 147793.D
Analysis Method: 8260B Date Collected: 04/17/2014 12:20
Sample wt/vol: 7.207(g) Date Analyzed: 04/22/2014 20:18
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 127404 Units: ug/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

Lab Name: TestAmerica Canton Job No.: 240-36288-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1359-25 Lab Sample ID: 240-36288-7

Matrix: Solid Lab File ID: 147754.D

Analysis Method: 8260B Date Collected: 04/17/2014 12:25

Sample wt/vol: 6.861(g) Date Analyzed: 04/21/2014 18:51

Soil Aliquot Vol: _____ Dilution Factor: 1

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

% Moisture: 19.1 Level: (low/med) Low

Analysis Batch No.: 127207 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.56	U	4.5	0.56
71-55-6	1,1,1-Trichloroethane	0.50	U	4.5	0.50
79-34-5	1,1,2,2-Tetrachloroethane	0.31	U	4.5	0.31
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.2	U	4.5	1.2
75-34-3	1,1-Dichloroethane	0.32	U	4.5	0.32
75-35-4	1,1-Dichloroethene	0.47	U	4.5	0.47
563-58-6	1,1-Dichloropropene	0.27	U	4.5	0.27
87-61-6	1,2,3-Trichlorobenzene	0.34	U	4.5	0.34
96-18-4	1,2,3-Trichloropropane	0.81	U	4.5	0.81
526-73-8	1,2,3-Trimethylbenzene	0.15	U	4.5	0.15
120-82-1	1,2,4-Trichlorobenzene	0.24	U	4.5	0.24
95-63-6	1,2,4-Trimethylbenzene	0.59	U	4.5	0.59
96-12-8	1,2-Dibromo-3-Chloropropane	1.2	U	9.0	1.2
106-93-4	1,2-Dibromoethane	0.45	U	4.5	0.45
95-50-1	1,2-Dichlorobenzene	0.32	U	4.5	0.32
107-06-2	1,2-Dichloroethane	0.31	U	4.5	0.31
78-87-5	1,2-Dichloropropane	0.62	U	4.5	0.62
541-73-1	1,3-Dichlorobenzene	0.32	U	4.5	0.32
142-28-9	1,3-Dichloropropane	0.31	U	4.5	0.31
106-46-7	1,4-Dichlorobenzene	0.59	U	4.5	0.59
594-20-7	2,2-Dichloropropane	0.85	U	4.5	0.85
78-93-3	2-Butanone	1.3	U	18	1.3
110-75-8	2-Chloroethyl vinyl ether	1.3	U	45	1.3
95-49-8	2-Chlorotoluene	0.36	U	4.5	0.36
591-78-6	2-Hexanone	0.57	U	18	0.57
106-43-4	4-Chlorotoluene	0.37	U	4.5	0.37
108-10-1	4-Methyl-2-pentanone	0.49	U	18	0.49
67-64-1	Acetone	5.7	U	18	5.7
71-43-2	Benzene	0.21	U	4.5	0.21
108-86-1	Bromobenzene	0.30	U	4.5	0.30
74-97-5	Bromochloromethane	0.64	U	4.5	0.64
75-27-4	Bromodichloromethane	0.25	U	4.5	0.25
75-25-2	Bromoform	0.30	U	4.5	0.30
74-83-9	Bromomethane	0.49	U	4.5	0.49
75-15-0	Carbon disulfide	1.1	J B	4.5	0.40

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36288-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1359-25 Lab Sample ID: 240-36288-7

Matrix: Solid Lab File ID: 147754.D

Analysis Method: 8260B Date Collected: 04/17/2014 12:25

Sample wt/vol: 6.861(g) Date Analyzed: 04/21/2014 18:51

Soil Aliquot Vol: _____ Dilution Factor: 1

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

% Moisture: 19.1 Level: (low/med) Low

Analysis Batch No.: 127207 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	0.33	U	4.5	0.33
108-90-7	Chlorobenzene	0.30	U	4.5	0.30
75-00-3	Chloroethane	0.77	U	4.5	0.77
67-66-3	Chloroform	0.26	U	4.5	0.26
74-87-3	Chloromethane	0.37	U	4.5	0.37
156-59-2	cis-1,2-Dichloroethene	1.4	J	4.5	0.32
10061-01-5	cis-1,3-Dichloropropene	0.31	U	4.5	0.31
124-48-1	Dibromochloromethane	0.50	U	4.5	0.50
74-95-3	Dibromomethane	0.57	U	4.5	0.57
75-71-8	Dichlorodifluoromethane	0.45	U	4.5	0.45
108-20-3	Diisopropyl ether	1.4	U	9.0	1.4
100-41-4	Ethylbenzene	0.23	U	4.5	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	0.20	U	4.5	0.20
87-68-3	Hexachlorobutadiene	1.1	U	4.5	1.1
98-82-8	Isopropylbenzene	0.14	U	4.5	0.14
1634-04-4	Methyl tert-butyl ether	0.39	U	4.5	0.39
75-09-2	Methylene Chloride	0.60	U	4.5	0.60
179601-23-1	m-Xylene & p-Xylene	1.1	U	9.0	1.1
91-20-3	Naphthalene	0.17	U	4.5	0.17
104-51-8	n-Butylbenzene	0.21	U	4.5	0.21
103-65-1	n-Propylbenzene	0.36	U	4.5	0.36
95-47-6	o-Xylene	0.32	U	4.5	0.32
99-87-6	p-Isopropyltoluene	0.19	U	4.5	0.19
135-98-8	sec-Butylbenzene	0.16	U	4.5	0.16
100-42-5	Styrene	0.14	U	4.5	0.14
994-05-8	Tert-amyl-methyl ether (TAME)	0.33	U	4.5	0.33
75-65-0	tert-Butyl alcohol	6.8	U	180	6.8
98-06-6	tert-Butylbenzene	0.26	U	4.5	0.26
127-18-4	Tetrachloroethene	0.47	U	4.5	0.47
108-88-3	Toluene	0.24	U	4.5	0.24
156-60-5	trans-1,2-Dichloroethene	0.37	U	4.5	0.37
10061-02-6	trans-1,3-Dichloropropene	0.49	U	4.5	0.49
79-01-6	Trichloroethene	9.7		4.5	0.38
75-69-4	Trichlorofluoromethane	0.31	U	4.5	0.31
108-05-4	Vinyl acetate	0.23	U *	9.0	0.23
75-01-4	Vinyl chloride	0.35	U	4.5	0.35

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36288-1
 SDG No.: _____
 Client Sample ID: MRC-E-SB-1359-25 Lab Sample ID: 240-36288-7
 Matrix: Solid Lab File ID: 147754.D
 Analysis Method: 8260B Date Collected: 04/17/2014 12:25
 Sample wt/vol: 6.861(g) Date Analyzed: 04/21/2014 18:51
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
 % Moisture: 19.1 Level: (low/med) Low
 Analysis Batch No.: 127207 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	0.32	U	9.0	0.32

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		58-123
460-00-4	4-Bromofluorobenzene (Surr)	81		52-136
1868-53-7	Dibromofluoromethane (Surr)	79		37-132
2037-26-5	Toluene-d8 (Surr)	92		67-125

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

Lab Name: TestAmerica Canton Job No.: 240-36288-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1359-25 Lab Sample ID: 240-36288-7
Matrix: Solid Lab File ID: 147754.D
Analysis Method: 8260B Date Collected: 04/17/2014 12:25
Sample wt/vol: 6.861(g) Date Analyzed: 04/21/2014 18:51
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
% Moisture: 19.1 Level: (low/med) Low
Analysis Batch No.: 127207 Units: ug/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

Lab Name: TestAmerica Canton Job No.: 240-36288-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1359-28 Lab Sample ID: 240-36288-8

Matrix: Solid Lab File ID: 147755.D

Analysis Method: 8260B Date Collected: 04/17/2014 12:30

Sample wt/vol: 6.494(g) Date Analyzed: 04/21/2014 19:12

Soil Aliquot Vol: _____ Dilution Factor: 1

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

% Moisture: 18.8 Level: (low/med) Low

Analysis Batch No.: 127207 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.59	U	4.7	0.59
71-55-6	1,1,1-Trichloroethane	0.53	U	4.7	0.53
79-34-5	1,1,2,2-Tetrachloroethane	0.32	U	4.7	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichloroethane	1.2	U	4.7	1.2
75-34-3	1,1-Dichloroethane	0.34	U	4.7	0.34
75-35-4	1,1-Dichloroethene	0.49	U	4.7	0.49
563-58-6	1,1-Dichloropropene	0.28	U	4.7	0.28
87-61-6	1,2,3-Trichlorobenzene	0.36	U	4.7	0.36
96-18-4	1,2,3-Trichloropropane	0.85	U	4.7	0.85
526-73-8	1,2,3-Trimethylbenzene	0.16	U	4.7	0.16
120-82-1	1,2,4-Trichlorobenzene	0.26	U	4.7	0.26
95-63-6	1,2,4-Trimethylbenzene	0.62	U	4.7	0.62
96-12-8	1,2-Dibromo-3-Chloropropane	1.2	U	9.5	1.2
106-93-4	1,2-Dibromoethane	0.47	U	4.7	0.47
95-50-1	1,2-Dichlorobenzene	0.34	U	4.7	0.34
107-06-2	1,2-Dichloroethane	0.32	U	4.7	0.32
78-87-5	1,2-Dichloropropane	0.65	U	4.7	0.65
541-73-1	1,3-Dichlorobenzene	0.33	U	4.7	0.33
142-28-9	1,3-Dichloropropane	0.32	U	4.7	0.32
106-46-7	1,4-Dichlorobenzene	0.63	U	4.7	0.63
594-20-7	2,2-Dichloropropane	0.89	U	4.7	0.89
78-93-3	2-Butanone	1.3	U	19	1.3
110-75-8	2-Chloroethyl vinyl ether	1.3	U	47	1.3
95-49-8	2-Chlorotoluene	0.38	U	4.7	0.38
591-78-6	2-Hexanone	0.60	U	19	0.60
106-43-4	4-Chlorotoluene	0.39	U	4.7	0.39
108-10-1	4-Methyl-2-pentanone	0.51	U	19	0.51
67-64-1	Acetone	6.0	U	19	6.0
71-43-2	Benzene	0.22	U	4.7	0.22
108-86-1	Bromobenzene	0.31	U	4.7	0.31
74-97-5	Bromochloromethane	0.67	U	4.7	0.67
75-27-4	Bromodichloromethane	0.27	U	4.7	0.27
75-25-2	Bromoform	0.31	U	4.7	0.31
74-83-9	Bromomethane	0.51	U	4.7	0.51
75-15-0	Carbon disulfide	1.1	J B	4.7	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton

Job No.: 240-36288-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1359-28

Lab Sample ID: 240-36288-8

Matrix: Solid

Lab File ID: 147755.D

Analysis Method: 8260B

Date Collected: 04/17/2014 12:30

Sample wt/vol: 6.494(g)

Date Analyzed: 04/21/2014 19:12

Soil Aliquot Vol: _____

Dilution Factor: 1

Soil Extract Vol.: _____

GC Column: DB-624 ID: 0.18 (mm)

% Moisture: 18.8

Level: (low/med) Low

Analysis Batch No.: 127207

Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	0.35	U	4.7	0.35
108-90-7	Chlorobenzene	0.31	U	4.7	0.31
75-00-3	Chloroethane	0.82	U	4.7	0.82
67-66-3	Chloroform	0.27	U	4.7	0.27
74-87-3	Chloromethane	0.39	U	4.7	0.39
156-59-2	cis-1,2-Dichloroethene	0.34	U	4.7	0.34
10061-01-5	cis-1,3-Dichloropropene	0.32	U	4.7	0.32
124-48-1	Dibromochloromethane	0.52	U	4.7	0.52
74-95-3	Dibromomethane	0.60	U	4.7	0.60
75-71-8	Dichlorodifluoromethane	0.47	U	4.7	0.47
108-20-3	Diisopropyl ether	1.4	U	9.5	1.4
100-41-4	Ethylbenzene	0.25	U	4.7	0.25
637-92-3	Ethyl-t-butyl ether (ETBE)	0.21	U	4.7	0.21
87-68-3	Hexachlorobutadiene	1.1	U	4.7	1.1
98-82-8	Isopropylbenzene	0.15	U	4.7	0.15
1634-04-4	Methyl tert-butyl ether	0.41	U	4.7	0.41
75-09-2	Methylene Chloride	0.64	U	4.7	0.64
179601-23-1	m-Xylene & p-Xylene	1.1	U	9.5	1.1
91-20-3	Naphthalene	0.18	U	4.7	0.18
104-51-8	n-Butylbenzene	0.22	U	4.7	0.22
103-65-1	n-Propylbenzene	0.38	U	4.7	0.38
95-47-6	o-Xylene	0.33	U	4.7	0.33
99-87-6	p-Isopropyltoluene	0.20	U	4.7	0.20
135-98-8	sec-Butylbenzene	0.17	U	4.7	0.17
100-42-5	Styrene	0.14	U	4.7	0.14
994-05-8	Tert-amyl-methyl ether (TAME)	0.35	U	4.7	0.35
75-65-0	tert-Butyl alcohol	7.2	U	190	7.2
98-06-6	tert-Butylbenzene	0.27	U	4.7	0.27
127-18-4	Tetrachloroethene	0.49	U	4.7	0.49
108-88-3	Toluene	0.26	U	4.7	0.26
156-60-5	trans-1,2-Dichloroethene	0.39	U	4.7	0.39
10061-02-6	trans-1,3-Dichloropropene	0.51	U	4.7	0.51
79-01-6	Trichloroethene	0.89	J	4.7	0.40
75-69-4	Trichlorofluoromethane	0.32	U	4.7	0.32
108-05-4	Vinyl acetate	0.24	U *	9.5	0.24
75-01-4	Vinyl chloride	0.37	U	4.7	0.37

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36288-1
 SDG No.: _____
 Client Sample ID: MRC-E-SB-1359-28 Lab Sample ID: 240-36288-8
 Matrix: Solid Lab File ID: 147755.D
 Analysis Method: 8260B Date Collected: 04/17/2014 12:30
 Sample wt/vol: 6.494(g) Date Analyzed: 04/21/2014 19:12
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
 % Moisture: 18.8 Level: (low/med) Low
 Analysis Batch No.: 127207 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	0.33	U	9.5	0.33

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	83		58-123
460-00-4	4-Bromofluorobenzene (Surr)	86		52-136
1868-53-7	Dibromofluoromethane (Surr)	76		37-132
2037-26-5	Toluene-d8 (Surr)	93		67-125

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

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-36288-1</u>
SDG No.: _____	_____
Client Sample ID: <u>MRC-E-SB-1359-28</u>	Lab Sample ID: <u>240-36288-8</u>
Matrix: <u>Solid</u>	Lab File ID: <u>147755.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>04/17/2014 12:30</u>
Sample wt/vol: <u>6.494(g)</u>	Date Analyzed: <u>04/21/2014 19:12</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18(mm)</u>
% Moisture: <u>18.8</u>	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>127207</u>	Units: <u>ug/Kg</u>
Number TICs Found: <u>0</u>	TIC Result Total: <u>0</u>

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36288-1

SDG No.: _____

Client Sample ID: TB-041714 Lab Sample ID: 240-36288-9

Matrix: Water Lab File ID: UXR2648.D

Analysis Method: 8260B Date Collected: 04/17/2014 00:00

Sample wt/vol: 5(mL) Date Analyzed: 04/22/2014 20:48

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.: 127420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.23	U	1.0	0.23
71-55-6	1,1,1-Trichloroethane	0.22	U	1.0	0.22
79-34-5	1,1,2,2-Tetrachloroethane	0.18	U	1.0	0.18
76-13-1	1,1,2-Trichlorotrifluoroethane	0.28	U	1.0	0.28
75-34-3	1,1-Dichloroethane	0.15	U	1.0	0.15
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.13	U	1.0	0.13
87-61-6	1,2,3-Trichlorobenzene	0.17	U	1.0	0.17
96-18-4	1,2,3-Trichloropropane	0.43	U	1.0	0.43
526-73-8	1,2,3-Trimethylbenzene	0.0059	U	5.0	0.0059
120-82-1	1,2,4-Trichlorobenzene	0.15	U	1.0	0.15
95-63-6	1,2,4-Trimethylbenzene	0.12	U	1.0	0.12
96-12-8	1,2-Dibromo-3-Chloropropane	0.67	U	2.0	0.67
106-93-4	1,2-Dibromoethane	0.24	U	1.0	0.24
95-50-1	1,2-Dichlorobenzene	0.13	U	1.0	0.13
107-06-2	1,2-Dichloroethane	0.22	U	1.0	0.22
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	0.14	U	1.0	0.14
142-28-9	1,3-Dichloropropane	0.16	U	1.0	0.16
106-46-7	1,4-Dichlorobenzene	0.13	U	1.0	0.13
594-20-7	2,2-Dichloropropane	0.13	U	1.0	0.13
78-93-3	2-Butanone	0.57	U	10	0.57
110-75-8	2-Chloroethyl vinyl ether	0.99	U	10	0.99
95-49-8	2-Chlorotoluene	0.11	U	1.0	0.11
591-78-6	2-Hexanone	0.41	U	10	0.41
106-43-4	4-Chlorotoluene	0.18	U	1.0	0.18
108-10-1	4-Methyl-2-pentanone	0.32	U	10	0.32
67-64-1	Acetone	1.7	J	10	1.1
71-43-2	Benzene	0.13	U	1.0	0.13
108-86-1	Bromobenzene	0.13	U	1.0	0.13
74-97-5	Bromochloromethane	0.29	U	1.0	0.29
75-27-4	Bromodichloromethane	0.15	U	1.0	0.15
75-25-2	Bromoform	0.64	U	1.0	0.64
74-83-9	Bromomethane	0.41	U	1.0	0.41
75-15-0	Carbon disulfide	0.13	U	1.0	0.13
56-23-5	Carbon tetrachloride	0.13	U	1.0	0.13

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36288-1

SDG No.: _____

Client Sample ID: TB-041714 Lab Sample ID: 240-36288-9

Matrix: Water Lab File ID: UXR2648.D

Analysis Method: 8260B Date Collected: 04/17/2014 00:00

Sample wt/vol: 5(mL) Date Analyzed: 04/22/2014 20:48

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.: 127420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-90-7	Chlorobenzene	0.15	U	1.0	0.15
75-00-3	Chloroethane	0.29	U	1.0	0.29
67-66-3	Chloroform	0.16	U	1.0	0.16
74-87-3	Chloromethane	0.30	U	1.0	0.30
156-59-2	cis-1,2-Dichloroethene	0.17	U	1.0	0.17
10061-01-5	cis-1,3-Dichloropropene	0.14	U	1.0	0.14
124-48-1	Chlorodibromomethane	0.18	U	1.0	0.18
74-95-3	Dibromomethane	0.28	U	1.0	0.28
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
108-20-3	Diisopropyl ether	1.5	U	10	1.5
100-41-4	Ethylbenzene	0.17	U	1.0	0.17
637-92-3	Ethyl-t-butyl ether (ETBE)	0.11	U	5.0	0.11
87-68-3	Hexachlorobutadiene	0.30	U	1.0	0.30
98-82-8	Isopropylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.17	U	1.0	0.17
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	0.24	U	1.0	0.24
104-51-8	n-Butylbenzene	0.12	U	1.0	0.12
103-65-1	n-Propylbenzene	0.14	U	1.0	0.14
95-47-6	o-Xylene	0.14	U	1.0	0.14
99-87-6	4-Isopropyltoluene	0.12	U	1.0	0.12
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
100-42-5	Styrene	0.11	U	1.0	0.11
994-05-8	Tert-amyl-methyl ether (TAME)	0.067	U	5.0	0.067
75-65-0	tert-Butyl alcohol	3.9	U	50	3.9
98-06-6	tert-Butylbenzene	0.13	U	1.0	0.13
127-18-4	Tetrachloroethene	0.29	U	1.0	0.29
108-88-3	Toluene	0.13	U	1.0	0.13
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	0.17	U	1.0	0.17
75-69-4	Trichlorofluoromethane	0.21	U	1.0	0.21
108-05-4	Vinyl acetate	0.19	U *	2.0	0.19
75-01-4	Vinyl chloride	0.22	U	1.0	0.22
1330-20-7	Xylenes, Total	0.14	U	2.0	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36288-1
SDG No.: _____
Client Sample ID: TB-041714 Lab Sample ID: 240-36288-9
Matrix: Water Lab File ID: UXR2648.D
Analysis Method: 8260B Date Collected: 04/17/2014 00:00
Sample wt/vol: 5(mL) Date Analyzed: 04/22/2014 20:48
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.: 127420 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		63-129
460-00-4	4-Bromofluorobenzene (Surr)	86		66-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-121
2037-26-5	Toluene-d8 (Surr)	87		74-120

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

Lab Name: TestAmerica Canton Job No.: 240-36288-1
SDG No.: _____
Client Sample ID: TB-041714 Lab Sample ID: 240-36288-9
Matrix: Water Lab File ID: UXR2648.D
Analysis Method: 8260B Date Collected: 04/17/2014 00:00
Sample wt/vol: 5(mL) Date Analyzed: 04/22/2014 20:48
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.: 127420 Units: ug/L
Number TICs Found: 1 TIC Result Total: 1.9

CAS NO.	COMPOUND NAME	RT	RESULT	Q
18173-64-3	tert-Butyldimethylsilanol	4.68	1.9	T J N

Appendix C

Support Documentation

TestAmerica Canton Sample Receipt Form/Narrative

Login #: 30288

Canton Facility

Client Tetra Tech

Site Name

Cooler unpacked by:

Cooler Received on 4/18/14Opened on 4/18/14Ryan RorFedEx: 1st Grd ☒ Exp UPS FAS Stetson Client Drop Off TestAmerica Courier OtherTestAmerica Cooler # _____ Foam Box ☒ Client Cooler Box OtherPacking material used: ☒ Bubble Wrap Foam Plastic Bag None OtherCOOLANT: ☒ Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# A (CF +0 °C) Observed Cooler Temp. 4.0 °C Corrected Cooler Temp. 4.0 °C

IR GUN# 4 (CF -1 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

IR GUN# 5 (CF +1 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

IR GUN# 8 (CF +1 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

☐ See Multiple
Cooler Form2. 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)? ☒ Yes ☐ No3. Shippers' packing slip attached to the cooler(s)? ☒ Yes ☐ No4. Did custody papers accompany the sample(s)? ☒ Yes ☐ No5. Were the custody papers relinquished & signed in the appropriate place? ☒ Yes ☐ No6. Did all bottles arrive in good condition (Unbroken)? ☒ Yes ☐ No7. Could all bottle labels be reconciled with the COC? ☒ Yes ☐ No8. Were correct bottle(s) used for the test(s) indicated? ☒ Yes ☐ No9. Sufficient quantity received to perform indicated analyses? ☒ Yes ☐ No10. Were sample(s) at the correct pH upon receipt? Yes ☐ No ☒ NA pH Strip Lot# HC39190211. Were VOAs on the COC? ☒ Yes ☐ No12. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☒ NA13. Was a trip blank present in the cooler(s)? ☒ Yes ☐ No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by:

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

CASE NARRATIVE

Client: Tetra Tech, Inc.

Project: MRC Block E

Report Number: 240-36288-1

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 4/18/2014 9:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.0° C.

Samples MRC-E-SB-1359-15 and MRC-E-SB-1359-20 were received without percent moisture volume. These two samples will be reported on a wet weight basis. On 4/22/14 Tony Apanavage informed the lab they did not have any more volume to provide the lab to run a percent moisture for these two samples and to proceed with analysis.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples MRC-E-SB-1360-15 (240-36288-1), MRC-E-SB-1360-20 (240-36288-2), MRC-E-SB-1360-25 (240-36288-3), MRC-E-SB-1360-28 (240-36288-4), MRC-E-SB-1359-15 (240-36288-5), MRC-E-SB-1359-20 (240-36288-6), MRC-E-SB-1359-25 (240-36288-7) and MRC-E-SB-1359-28 (240-36288-8) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260B. The samples were prepared on 04/18/2014 and 04/21/2014 and analyzed on 04/21/2014, 04/22/2014 and 04/23/2014.

Several analytes were detected in method blank MB 240-127207/6 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.

1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Naphthalene and Styrene were detected in method blank MB 240-127230/1-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.

Methylene Chloride and Toluene were detected in method blank MB 240-127264/3-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.

1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene and Naphthalene were detected in method blank MB 240-127404/6 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.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated

with batch 127207 on these samples MRC-E-SB-1359-25 (240-36288-7).

The laboratory control sample for batch 127207 recovered outside control limits for the following analyte(s): Vinyl Acetate. 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.

The laboratory control sample for batch 127404 recovered outside control limits for the following analyte(s): Vinyl Acetate. 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.

The laboratory control sample for prep. batch 127230 recovered outside control limits for the following analyte(s): Vinyl Acetate. 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.

The laboratory control sample (LCS) for batch 127498 recovered outside control limits for the following analyte: Vinyl acetate. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with prep. batch 127230 on these samples MRC-E-SB-1360-15 (240-36288-1), MRC-E-SB-1360-20 (240-36288-2), MRC-E-SB-1360-25 (240-36288-3), MRC-E-SB-1360-28 (240-36288-4).

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with batch 127404 on these samples MRC-E-SB-1359-15 (240-36288-5), MRC-E-SB-1359-20 (240-36288-6).

Two analyses were used to report samples MRC-E-SB-1360-15 (240-36288-1), MRC-E-SB-1360-25 (240-36288-3) due to high analyte concentrations.

No other difficulties were encountered during the VOCs analysis. All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Sample TB-041714 (240-36288-9) was analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 04/22/2014.

The laboratory control sample (LCS) for batch 127420 recovered outside control limits for the following analyte(s): Vinyl acetate. Vinyl acetate has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

No other difficulties were encountered during the VOCs analysis. All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples MRC-E-SB-1360-15 (240-36288-1), MRC-E-SB-1360-20 (240-36288-2), MRC-E-SB-1360-25 (240-36288-3), MRC-E-SB-1360-28 (240-36288-4), MRC-E-SB-1359-25 (240-36288-7) and MRC-E-SB-1359-28 (240-36288-8) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 04/21/2014.

No difficulties were encountered during the % solids analysis. All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Tetra Tech, Inc.

Job Number: 240-36288-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-36288-1	MRC-E-SB-1360-15	Solid	04/17/2014 0940	04/18/2014 0920
240-36288-2	MRC-E-SB-1360-20	Solid	04/17/2014 0945	04/18/2014 0920
240-36288-3	MRC-E-SB-1360-25	Solid	04/17/2014 0950	04/18/2014 0920
240-36288-4	MRC-E-SB-1360-28	Solid	04/17/2014 0955	04/18/2014 0920
240-36288-5	MRC-E-SB-1359-15	Solid	04/17/2014 1215	04/18/2014 0920
240-36288-6	MRC-E-SB-1359-20	Solid	04/17/2014 1220	04/18/2014 0920
240-36288-7	MRC-E-SB-1359-25	Solid	04/17/2014 1225	04/18/2014 0920
240-36288-8	MRC-E-SB-1359-28	Solid	04/17/2014 1230	04/18/2014 0920
240-36288-9TB	TB-041714	Water	04/17/2014 0000	04/18/2014 0920

METHOD SUMMARY

Client: Tetra Tech, Inc.

Job Number: 240-36288-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL CAN	SW846 8260B	
Closed System Purge and Trap	TAL CAN		SW846 5035
Percent Moisture	TAL CAN	EPA Moisture	
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL CAN	SW846 8260B	
Purge and Trap	TAL CAN		SW846 5030B

Lab References:

TAL CAN = TestAmerica Canton

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-36288-1
SDG No.: _____
Lab File ID: 147737.D Lab Sample ID: MB 240-127207/6
Matrix: Solid Heated Purge:(Y/N) Y
Instrument ID: A3UX14 Date Analyzed: 04/21/2014 12:44
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 240-127207/5	147736.D	04/21/2014 12:22
MRC-E-SB-1359-25	240-36288-7	147754.D	04/21/2014 18:51
MRC-E-SB-1359-28	240-36288-8	147755.D	04/21/2014 19:12

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-36288-1

Method Blank - Batch: 240-127207

Method: 8260B

Preparation: N/A

Lab Sample ID: MB 240-127207/6
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 04/21/2014 1244
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 240-127207
Prep Batch: N/A
Leach Batch: N/A
Units: ug/Kg

Instrument ID: A3UX14
Lab File ID: 147737.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	0.62	U	0.62	5.0
1,1,1-Trichloroethane	0.56	U	0.56	5.0
1,1,2,2-Tetrachloroethane	0.34	U	0.34	5.0
1,1,2-Trichloro-1,2,2-trichloroethane	1.3	U	1.3	5.0
1,1-Dichloroethane	0.36	U	0.36	5.0
1,1-Dichloroethene	0.52	U	0.52	5.0
1,1-Dichloropropene	0.30	U	0.30	5.0
1,2,3-Trichlorobenzene	0.606	J	0.38	5.0
1,2,3-Trichloropropane	0.90	U	0.90	5.0
1,2,3-Trimethylbenzene	0.17	U	0.17	5.0
1,2,4-Trichlorobenzene	0.395	J	0.27	5.0
1,2,4-Trimethylbenzene	0.65	U	0.65	5.0
1,2-Dibromo-3-Chloropropane	1.3	U	1.3	10
1,2-Dichlorobenzene	0.36	U	0.36	5.0
1,2-Dichloroethane	0.34	U	0.34	5.0
1,2-Dichloropropane	0.69	U	0.69	5.0
1,3-Dichlorobenzene	0.35	U	0.35	5.0
1,3-Dichloropropane	0.34	U	0.34	5.0
1,4-Dichlorobenzene	0.66	U	0.66	5.0
2,2-Dichloropropane	0.94	U	0.94	5.0
2-Chloroethyl vinyl ether	1.4	U	1.4	50
2-Chlorotoluene	0.40	U	0.40	5.0
2-Hexanone	0.63	U	0.63	20
4-Chlorotoluene	0.41	U	0.41	5.0
Acetone	6.3	U	6.3	20
Bromobenzene	0.33	U	0.33	5.0
Bromochloromethane	0.71	U	0.71	5.0
Benzene	0.23	U	0.23	5.0
Bromoform	0.33	U	0.33	5.0
Bromomethane	0.54	U	0.54	5.0
Carbon disulfide	1.18	J	0.44	5.0
Carbon tetrachloride	0.37	U	0.37	5.0
Chlorobenzene	0.33	U	0.33	5.0
Chloroethane	2.05	J	0.86	5.0
Chloroform	0.29	U	0.29	5.0
Chloromethane	0.41	U	0.41	5.0
cis-1,2-Dichloroethene	0.36	U	0.36	5.0
cis-1,3-Dichloropropene	0.34	U	0.34	5.0
Bromodichloromethane	0.28	U	0.28	5.0
Dibromomethane	0.63	U	0.63	5.0
Dichlorodifluoromethane	0.50	U	0.50	5.0
1,2-Dibromoethane	0.50	U	0.50	5.0
Diisopropyl ether	1.5	U	1.5	10
Ethylbenzene	0.26	U	0.26	5.0
Hexachlorobutadiene	1.2	U	1.2	5.0

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-36288-1

Method Blank - Batch: 240-127207

Method: 8260B

Preparation: N/A

Lab Sample ID: MB 240-127207/6
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 04/21/2014 1244
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 240-127207
Prep Batch: N/A
Leach Batch: N/A
Units: ug/Kg

Instrument ID: A3UX14
Lab File ID: 147737.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Isopropylbenzene	0.16	U	0.16	5.0
m-Xylene & p-Xylene	1.2	U	1.2	10
2-Butanone	1.4	U	1.4	20
Naphthalene	0.662	J	0.19	5.0
4-Methyl-2-pentanone	0.54	U	0.54	20
n-Butylbenzene	0.23	U	0.23	5.0
n-Propylbenzene	0.40	U	0.40	5.0
Methyl tert-butyl ether	0.43	U	0.43	5.0
p-Isopropyltoluene	0.21	U	0.21	5.0
Methylene Chloride	0.67	U	0.67	5.0
sec-Butylbenzene	0.18	U	0.18	5.0
o-Xylene	0.35	U	0.35	5.0
Styrene	0.244	J	0.15	5.0
Tert-amyl-methyl ether (TAME)	0.37	U	0.37	5.0
Ethyl-t-butyl ether (ETBE)	0.22	U	0.22	5.0
tert-Butylbenzene	0.29	U	0.29	5.0
Tetrachloroethene	0.52	U	0.52	5.0
Toluene	0.304	J	0.27	5.0
trans-1,2-Dichloroethene	0.41	U	0.41	5.0
trans-1,3-Dichloropropene	0.54	U	0.54	5.0
Trichloroethene	0.42	U	0.42	5.0
Trichlorofluoromethane	0.34	U	0.34	5.0
tert-Butyl alcohol	7.6	U	7.6	200
Vinyl acetate	0.25	U	0.25	10
Vinyl chloride	0.39	U	0.39	5.0
Xylenes, Total	0.35	U	0.35	10
Dibromochloromethane	0.55	U	0.55	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94	58 - 123
4-Bromofluorobenzene (Surr)	90	52 - 136
Dibromofluoromethane (Surr)	92	37 - 132
Toluene-d8 (Surr)	96	67 - 125

Method Blank TICs- Batch: 240-127207

Cas Number	Analyte	RT	Est. Result (ug/K)	Qual
	Tentatively Identified Compound		None	

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-36288-1
SDG No.: _____
Lab File ID: 147782.D Lab Sample ID: MB 240-127230/1-A
Matrix: Solid Heated Purge: (Y/N) Y
Instrument ID: A3UX14 Date Analyzed: 04/22/2014 16:22
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 240-127230/2-A	147781.D	04/22/2014 16:01
MRC-E-SB-1360-15	240-36288-1	147783.D	04/22/2014 16:44
MRC-E-SB-1360-20	240-36288-2	147784.D	04/22/2014 17:05
MRC-E-SB-1360-25	240-36288-3	147785.D	04/22/2014 17:26
MRC-E-SB-1360-28	240-36288-4	147787.D	04/22/2014 18:09

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-36288-1

Method Blank - Batch: 240-127230

Method: 8260B

Preparation: 5035

Lab Sample ID: MB 240-127230/1-A
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 04/22/2014 1622
 Prep Date: 04/21/2014 0932
 Leach Date: N/A

Analysis Batch: 240-127404
 Prep Batch: 240-127230
 Leach Batch: N/A
 Units: ug/Kg

Instrument ID: A3UX14
 Lab File ID: 147782.D
 Initial Weight/Volume: 5.00 g
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	9.1	U	9.1	250
1,1,1-Trichloroethane	21	U	21	250
1,1,2,2-Tetrachloroethane	8.9	U	8.9	250
1,1,2-Trichloro-1,2,2-trichloroethane	39	U	39	250
1,1-Dichloroethane	17	U	17	250
1,1-Dichloroethene	18	U	18	250
1,1-Dichloropropene	10	U	10	250
1,2,3-Trichlorobenzene	13.2	J	10	250
1,2,3-Trichloropropane	21	U	21	250
1,2,3-Trimethylbenzene	0.17	U	0.17	250
1,2,4-Trichlorobenzene	10.0	J	7.3	250
1,2,4-Trimethylbenzene	5.0	U	5.0	250
1,2-Dibromo-3-Chloropropane	50	U	50	500
1,2-Dichlorobenzene	8.6	U	8.6	250
1,2-Dichloroethane	10	U	10	250
1,2-Dichloropropane	8.2	U	8.2	250
1,3-Dichlorobenzene	4.8	U	4.8	250
1,3-Dichloropropane	22	U	22	250
1,4-Dichlorobenzene	8.0	U	8.0	250
2,2-Dichloropropane	23	U	23	250
2-Chloroethyl vinyl ether	43	U	43	1000
2-Chlorotoluene	9.0	U	9.0	250
2-Hexanone	20	U	20	1000
4-Chlorotoluene	9.9	U	9.9	250
Acetone	170	U	170	1000
Bromobenzene	13	U	13	250
Bromochloromethane	13	U	13	250
Benzene	12	U	12	250
Bromoform	19	U	19	250
Bromomethane	29	U	29	250
Carbon disulfide	12	U	12	250
Carbon tetrachloride	6.4	U	6.4	250
Chlorobenzene	6.4	U	6.4	250
Chloroethane	61	U	61	250
Chloroform	8.8	U	8.8	250
Chloromethane	14	U	14	250
cis-1,2-Dichloroethene	6.9	U	6.9	250
cis-1,3-Dichloropropene	7.9	U	7.9	250
Bromodichloromethane	9.9	U	9.9	250
Dibromomethane	14	U	14	250
Dichlorodifluoromethane	16	U	16	250
1,2-Dibromoethane	10	U	10	250
Diisopropyl ether	50	U	50	500
Ethylbenzene	5.4	U	5.4	250
Hexachlorobutadiene	14	U	14	250

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-36288-1

Method Blank - Batch: 240-127230

Method: 8260B

Preparation: 5035

Lab Sample ID: MB 240-127230/1-A
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 04/22/2014 1622
 Prep Date: 04/21/2014 0932
 Leach Date: N/A

Analysis Batch: 240-127404
 Prep Batch: 240-127230
 Leach Batch: N/A
 Units: ug/Kg

Instrument ID: A3UX14
 Lab File ID: 147782.D
 Initial Weight/Volume: 5.00 g
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Isopropylbenzene	6.5	U	6.5	250
m-Xylene & p-Xylene	6.2	U	6.2	250
2-Butanone	43	U	43	1000
Naphthalene	15.1	J	6.7	250
4-Methyl-2-pentanone	48	U	48	1000
n-Butylbenzene	8.0	U	8.0	250
n-Propylbenzene	14	U	14	250
Methyl tert-butyl ether	7.1	U	7.1	250
p-Isopropyltoluene	4.8	U	4.8	250
Methylene Chloride	77	U	77	250
sec-Butylbenzene	4.7	U	4.7	250
o-Xylene	8.5	U	8.5	250
Styrene	9.75	J	5.6	250
Tert-amyl-methyl ether (TAME)	0.37	U	0.37	250
Ethyl-t-butyl ether (ETBE)	0.22	U	0.22	250
tert-Butylbenzene	6.5	U	6.5	250
Tetrachloroethene	12	U	12	250
Toluene	17	U	17	250
trans-1,2-Dichloroethene	9.2	U	9.2	250
trans-1,3-Dichloropropene	20	U	20	250
Trichloroethene	9.7	U	9.7	250
Trichlorofluoromethane	16	U	16	250
tert-Butyl alcohol	240	U	240	10000
Vinyl acetate	23	U	23	500
Vinyl chloride	18	U	18	250
Xylenes, Total	6.2	U	6.2	500
Dibromochloromethane	12	U	12	250

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94	39 - 128
4-Bromofluorobenzene (Surr)	84	26 - 141
Dibromofluoromethane (Surr)	86	30 - 122
Toluene-d8 (Surr)	95	33 - 134

Method Blank TICs- Batch: 240-127230

Cas Number	Analyte	RT	Est. Result (ug/K)	Qual
	Unknown	3.87	748	T J
71-36-3	n-Butanol	7.09	1130	J

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-36288-1
SDG No.: _____
Lab File ID: UX80637.D Lab Sample ID: MB 240-127264/3-A
Matrix: Solid Heated Purge:(Y/N) Y
Instrument ID: A3UX8 Date Analyzed: 04/23/2014 05:45
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
MRC-E-SB-1360-15	240-36288-1	UX80638.D	04/23/2014 06:06
MRC-E-SB-1360-25	240-36288-3	UX80640.D	04/23/2014 06:49

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-36288-1

Method Blank - Batch: 240-127264

Method: 8260B

Preparation: 5035

Lab Sample ID: MB 240-127264/3-A
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 04/23/2014 0545
 Prep Date: 04/21/2014 1139
 Leach Date: N/A

Analysis Batch: 240-127498
 Prep Batch: 240-127264
 Leach Batch: N/A
 Units: ug/Kg

Instrument ID: A3UX8
 Lab File ID: UX80637.D
 Initial Weight/Volume: 5.00 g
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	0.62	U	0.62	5.0
1,1,1-Trichloroethane	0.56	U	0.56	5.0
1,1,2,2-Tetrachloroethane	0.34	U	0.34	5.0
1,1,2-Trichloro-1,2,2-trichloroethane	1.3	U	1.3	5.0
1,1-Dichloroethane	0.36	U	0.36	5.0
1,1-Dichloroethene	0.52	U	0.52	5.0
1,1-Dichloropropene	0.30	U	0.30	5.0
1,2,3-Trichlorobenzene	0.38	U	0.38	5.0
1,2,3-Trichloropropane	0.90	U	0.90	5.0
1,2,3-Trimethylbenzene	0.17	U	0.17	5.0
1,2,4-Trichlorobenzene	0.27	U	0.27	5.0
1,2,4-Trimethylbenzene	0.65	U	0.65	5.0
1,2-Dibromo-3-Chloropropane	1.3	U	1.3	10
1,2-Dichlorobenzene	0.36	U	0.36	5.0
1,2-Dichloroethane	0.34	U	0.34	5.0
1,2-Dichloropropane	0.69	U	0.69	5.0
1,3-Dichlorobenzene	0.35	U	0.35	5.0
1,3-Dichloropropane	0.34	U	0.34	5.0
1,4-Dichlorobenzene	0.66	U	0.66	5.0
2,2-Dichloropropane	0.94	U	0.94	5.0
2-Chloroethyl vinyl ether	1.4	U	1.4	50
2-Chlorotoluene	0.40	U	0.40	5.0
2-Hexanone	0.63	U	0.63	20
4-Chlorotoluene	0.41	U	0.41	5.0
Acetone	6.3	U	6.3	20
Bromobenzene	0.33	U	0.33	5.0
Bromochloromethane	0.71	U	0.71	5.0
Benzene	0.23	U	0.23	5.0
Bromoform	0.33	U	0.33	5.0
Bromomethane	0.54	U	0.54	5.0
Carbon disulfide	0.44	U	0.44	5.0
Carbon tetrachloride	0.37	U	0.37	5.0
Chlorobenzene	0.33	U	0.33	5.0
Chloroethane	0.86	U	0.86	5.0
Chloroform	0.29	U	0.29	5.0
Chloromethane	0.41	U	0.41	5.0
cis-1,2-Dichloroethene	0.36	U	0.36	5.0
cis-1,3-Dichloropropene	0.34	U	0.34	5.0
Bromodichloromethane	0.28	U	0.28	5.0
Dibromomethane	0.63	U	0.63	5.0
Dichlorodifluoromethane	0.50	U	0.50	5.0
1,2-Dibromoethane	0.50	U	0.50	5.0
Diisopropyl ether	1.5	U	1.5	10
Ethylbenzene	0.26	U	0.26	5.0
Hexachlorobutadiene	1.2	U	1.2	5.0

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-36288-1

Method Blank - Batch: 240-127264

Method: 8260B

Preparation: 5035

Lab Sample ID: MB 240-127264/3-A
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 04/23/2014 0545
 Prep Date: 04/21/2014 1139
 Leach Date: N/A

Analysis Batch: 240-127498
 Prep Batch: 240-127264
 Leach Batch: N/A
 Units: ug/Kg

Instrument ID: A3UX8
 Lab File ID: UX80637.D
 Initial Weight/Volume: 5.00 g
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Isopropylbenzene	0.16	U	0.16	5.0
m-Xylene & p-Xylene	1.2	U	1.2	10
2-Butanone	1.4	U	1.4	20
Naphthalene	0.19	U	0.19	5.0
4-Methyl-2-pentanone	0.54	U	0.54	20
n-Butylbenzene	0.23	U	0.23	5.0
n-Propylbenzene	0.40	U	0.40	5.0
Methyl tert-butyl ether	0.43	U	0.43	5.0
p-Isopropyltoluene	0.21	U	0.21	5.0
Methylene Chloride	1.01	J	0.67	5.0
sec-Butylbenzene	0.18	U	0.18	5.0
o-Xylene	0.35	U	0.35	5.0
Styrene	0.15	U	0.15	5.0
Tert-amyl-methyl ether (TAME)	0.37	U	0.37	5.0
Ethyl-t-butyl ether (ETBE)	0.22	U	0.22	5.0
tert-Butylbenzene	0.29	U	0.29	5.0
Tetrachloroethene	0.52	U	0.52	5.0
Toluene	0.581	J	0.27	5.0
trans-1,2-Dichloroethene	0.41	U	0.41	5.0
trans-1,3-Dichloropropene	0.54	U	0.54	5.0
Trichloroethene	0.42	U	0.42	5.0
Trichlorofluoromethane	0.34	U	0.34	5.0
tert-Butyl alcohol	7.6	U	7.6	200
Vinyl acetate	0.25	U	0.25	10
Vinyl chloride	0.39	U	0.39	5.0
Xylenes, Total	0.35	U	0.35	10
Dibromochloromethane	0.55	U	0.55	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93	58 - 123
4-Bromofluorobenzene (Surr)	101	52 - 136
Dibromofluoromethane (Surr)	106	37 - 132
Toluene-d8 (Surr)	92	67 - 125

Method Blank TICs- Batch: 240-127264

Cas Number	Analyte	RT	Est. Result (ug/K)	Qual
141-78-6	Ethyl acetate	4.30	2.19	J
	Tentatively Identified Compound		None	

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-36288-1
SDG No.: _____
Lab File ID: 147770.D Lab Sample ID: MB 240-127404/6
Matrix: Solid Heated Purge:(Y/N) Y
Instrument ID: A3UX14 Date Analyzed: 04/22/2014 12:02
GC Column: DB-624 ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB	DATE ANALYZED
		FILE ID	
	LCS 240-127404/5	147769.D	04/22/2014 11:41
MRC-E-SB-1359-15	240-36288-5	147792.D	04/22/2014 19:56
MRC-E-SB-1359-20	240-36288-6	147793.D	04/22/2014 20:18

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-36288-1

Method Blank - Batch: 240-127404

Method: 8260B

Preparation: N/A

Lab Sample ID: MB 240-127404/6
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 04/22/2014 1202
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 240-127404
Prep Batch: N/A
Leach Batch: N/A
Units: ug/Kg

Instrument ID: A3UX14
Lab File ID: 147770.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	0.62	U	0.62	5.0
1,1,1-Trichloroethane	0.56	U	0.56	5.0
1,1,2,2-Tetrachloroethane	0.34	U	0.34	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.3	U	1.3	5.0
1,1-Dichloroethane	0.36	U	0.36	5.0
1,1-Dichloroethene	0.52	U	0.52	5.0
1,1-Dichloropropene	0.30	U	0.30	5.0
1,2,3-Trichlorobenzene	0.605	J	0.38	5.0
1,2,3-Trichloropropane	0.90	U	0.90	5.0
1,2,3-Trimethylbenzene	0.17	U	0.17	5.0
1,2,4-Trichlorobenzene	0.423	J	0.27	5.0
1,2,4-Trimethylbenzene	0.65	U	0.65	5.0
1,2-Dibromo-3-Chloropropane	1.3	U	1.3	10
1,2-Dichlorobenzene	0.36	U	0.36	5.0
1,2-Dichloroethane	0.34	U	0.34	5.0
1,2-Dichloropropane	0.69	U	0.69	5.0
1,3-Dichlorobenzene	0.35	U	0.35	5.0
1,3-Dichloropropane	0.34	U	0.34	5.0
1,4-Dichlorobenzene	0.66	U	0.66	5.0
2,2-Dichloropropane	0.94	U	0.94	5.0
2-Chloroethyl vinyl ether	1.4	U	1.4	50
2-Chlorotoluene	0.40	U	0.40	5.0
2-Hexanone	0.63	U	0.63	20
4-Chlorotoluene	0.41	U	0.41	5.0
Acetone	6.3	U	6.3	20
Bromobenzene	0.33	U	0.33	5.0
Bromochloromethane	0.71	U	0.71	5.0
Benzene	0.23	U	0.23	5.0
Bromoform	0.33	U	0.33	5.0
Bromomethane	0.54	U	0.54	5.0
Carbon disulfide	0.44	U	0.44	5.0
Carbon tetrachloride	0.37	U	0.37	5.0
Chlorobenzene	0.33	U	0.33	5.0
Chloroethane	0.86	U	0.86	5.0
Chloroform	0.29	U	0.29	5.0
Chloromethane	0.41	U	0.41	5.0
cis-1,2-Dichloroethene	0.36	U	0.36	5.0
cis-1,3-Dichloropropene	0.34	U	0.34	5.0
Bromodichloromethane	0.28	U	0.28	5.0
Dibromomethane	0.63	U	0.63	5.0
Dichlorodifluoromethane	0.50	U	0.50	5.0
1,2-Dibromoethane	0.50	U	0.50	5.0
Diisopropyl ether	1.5	U	1.5	10
Ethylbenzene	0.26	U	0.26	5.0
Hexachlorobutadiene	1.2	U	1.2	5.0

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-36288-1

Method Blank - Batch: 240-127404

Method: 8260B

Preparation: N/A

Lab Sample ID: MB 240-127404/6
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 04/22/2014 1202
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 240-127404
Prep Batch: N/A
Leach Batch: N/A
Units: ug/Kg

Instrument ID: A3UX14
Lab File ID: 147770.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Isopropylbenzene	0.16	U	0.16	5.0
m-Xylene & p-Xylene	1.2	U	1.2	10
2-Butanone (MEK)	1.4	U	1.4	20
Naphthalene	0.720	J	0.19	5.0
4-Methyl-2-pentanone (MIBK)	0.54	U	0.54	20
n-Butylbenzene	0.23	U	0.23	5.0
N-Propylbenzene	0.40	U	0.40	5.0
Methyl tert-butyl ether	0.43	U	0.43	5.0
p-Isopropyltoluene	0.21	U	0.21	5.0
Methylene Chloride	0.67	U	0.67	5.0
sec-Butylbenzene	0.18	U	0.18	5.0
o-Xylene	0.35	U	0.35	5.0
Styrene	0.15	U	0.15	5.0
Tert-amyl methyl ether	0.37	U	0.37	5.0
Ethyl-t-butyl ether (ETBE)	0.22	U	0.22	5.0
tert-Butylbenzene	0.29	U	0.29	5.0
Tetrachloroethene	0.52	U	0.52	5.0
Toluene	0.27	U	0.27	5.0
trans-1,2-Dichloroethene	0.41	U	0.41	5.0
trans-1,3-Dichloropropene	0.54	U	0.54	5.0
Trichloroethene	0.42	U	0.42	5.0
Trichlorofluoromethane	0.34	U	0.34	5.0
tert-Butyl alcohol	7.6	U	7.6	200
Vinyl acetate	0.25	U	0.25	10
Vinyl chloride	0.39	U	0.39	5.0
Xylenes, Total	0.35	U	0.35	10
Dibromochloromethane	0.55	U	0.55	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87	58 - 123
4-Bromofluorobenzene (Surr)	87	52 - 136
Dibromofluoromethane (Surr)	81	37 - 132
Toluene-d8 (Surr)	92	67 - 125

Method Blank TICs- Batch: 240-127404

Cas Number	Analyte	RT	Est. Result (ug/K)	Qual
	Tentatively Identified Compound		None	

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-36288-1

Method Blank - Batch: 240-127420

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 240-127420/6
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 04/22/2014 1313
 Prep Date: 04/22/2014 1313
 Leach Date: N/A

Analysis Batch: 240-127420
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: A3UX17
 Lab File ID: UXR2628.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	0.23	U	0.23	1.0
1,1,1-Trichloroethane	0.22	U	0.22	1.0
1,1,2,2-Tetrachloroethane	0.18	U	0.18	1.0
1,1,2-Trichlorotrifluoroethane	0.28	U	0.28	1.0
1,1-Dichloroethane	0.15	U	0.15	1.0
1,1-Dichloroethene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.13	U	0.13	1.0
1,2,3-Trichlorobenzene	0.17	U	0.17	1.0
1,2,3-Trichloropropane	0.43	U	0.43	1.0
1,2,3-Trimethylbenzene	0.0059	U	0.0059	5.0
1,2,4-Trichlorobenzene	0.15	U	0.15	1.0
1,2,4-Trimethylbenzene	0.12	U	0.12	1.0
1,2-Dibromo-3-Chloropropane	0.67	U	0.67	2.0
1,2-Dichlorobenzene	0.13	U	0.13	1.0
1,2-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichlorobenzene	0.14	U	0.14	1.0
1,3-Dichloropropane	0.16	U	0.16	1.0
1,4-Dichlorobenzene	0.13	U	0.13	1.0
2,2-Dichloropropane	0.13	U	0.13	1.0
2-Chloroethyl vinyl ether	0.99	U	0.99	10
2-Chlorotoluene	0.11	U	0.11	1.0
2-Hexanone	0.41	U	0.41	10
4-Chlorotoluene	0.18	U	0.18	1.0
Acetone	1.1	U	1.1	10
Bromobenzene	0.13	U	0.13	1.0
Bromochloromethane	0.29	U	0.29	1.0
Benzene	0.13	U	0.13	1.0
Bromoform	0.64	U	0.64	1.0
Bromomethane	0.41	U	0.41	1.0
Carbon disulfide	0.13	U	0.13	1.0
Carbon tetrachloride	0.13	U	0.13	1.0
Chlorobenzene	0.15	U	0.15	1.0
Chloroethane	0.29	U	0.29	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
cis-1,2-Dichloroethene	0.17	U	0.17	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
Bromodichloromethane	0.15	U	0.15	1.0
Dibromomethane	0.28	U	0.28	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,2-Dibromoethane	0.24	U	0.24	1.0
Diisopropyl ether	1.5	U	1.5	10
Ethylbenzene	0.17	U	0.17	1.0
Hexachlorobutadiene	0.30	U	0.30	1.0

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-36288-1
SDG No.: _____
Lab File ID: UXR2628.D Lab Sample ID: MB 240-127420/6
Matrix: Water Heated Purge:(Y/N) N
Instrument ID: A3UX17 Date Analyzed: 04/22/2014 13:13
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
TB-041714	LCS 240-127420/4	UXR2626.D	04/22/2014 12:28
	240-36288-9	UXR2648.D	04/22/2014 20:48
	240-36155-B-2 MS	UXR2649.D	04/22/2014 21:11
	240-36155-B-2 MSD	UXR2650.D	04/22/2014 21:33

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-36288-1

Method Blank - Batch: 240-127420

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 240-127420/6
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 04/22/2014 1313
 Prep Date: 04/22/2014 1313
 Leach Date: N/A

Analysis Batch: 240-127420
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: A3UX17
 Lab File ID: UXR2628.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Isopropylbenzene	0.13	U	0.13	1.0
m-Xylene & p-Xylene	0.24	U	0.24	2.0
2-Butanone	0.57	U	0.57	10
Naphthalene	0.24	U	0.24	1.0
4-Methyl-2-pentanone	0.32	U	0.32	10
n-Butylbenzene	0.12	U	0.12	1.0
n-Propylbenzene	0.14	U	0.14	1.0
Methyl tert-butyl ether	0.17	U	0.17	1.0
4-Isopropyltoluene	0.12	U	0.12	1.0
Methylene Chloride	0.33	U	0.33	1.0
sec-Butylbenzene	0.13	U	0.13	1.0
o-Xylene	0.14	U	0.14	1.0
Styrene	0.11	U	0.11	1.0
Tert-amyl-methyl ether (TAME)	0.067	U	0.067	5.0
Ethyl-t-butyl ether (ETBE)	0.11	U	0.11	5.0
tert-Butylbenzene	0.13	U	0.13	1.0
Tetrachloroethene	0.29	U	0.29	1.0
Toluene	0.13	U	0.13	1.0
trans-1,2-Dichloroethene	0.19	U	0.19	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
Trichloroethene	0.17	U	0.17	1.0
Trichlorofluoromethane	0.21	U	0.21	1.0
tert-Butyl alcohol	3.9	U	3.9	50
Vinyl acetate	0.19	U	0.19	2.0
Vinyl chloride	0.22	U	0.22	1.0
Xylenes, Total	0.14	U	0.14	2.0
Chlorodibromomethane	0.18	U	0.18	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89	63 - 129
4-Bromofluorobenzene (Surr)	86	66 - 120
Dibromofluoromethane (Surr)	92	75 - 121
Toluene-d8 (Surr)	89	74 - 120

Method Blank TICs- Batch: 240-127420

Cas Number	Analyte	RT	Est. Result (ug/L)	Qual
	Tentatively Identified Compound		None	

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-36288-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-127207					
LCS 240-127207/5	Lab Control Sample	T	Solid	8260B	
MB 240-127207/6	Method Blank	T	Solid	8260B	
240-36288-7	MRC-E-SB-1359-25	T	Solid	8260B	240-127264
240-36288-8	MRC-E-SB-1359-28	T	Solid	8260B	240-127264
Prep Batch: 240-127230					
LCS 240-127230/2-A	Lab Control Sample	T	Solid	5035	
MB 240-127230/1-A	Method Blank	T	Solid	5035	
240-36288-1	MRC-E-SB-1360-15	T	Solid	5035	
240-36288-2	MRC-E-SB-1360-20	T	Solid	5035	
240-36288-3	MRC-E-SB-1360-25	T	Solid	5035	
240-36288-4	MRC-E-SB-1360-28	T	Solid	5035	
Prep Batch: 240-127264					
MB 240-127264/3-A	Method Blank	T	Solid	5035	
240-36288-1	MRC-E-SB-1360-15	T	Solid	5035	
240-36288-3	MRC-E-SB-1360-25	T	Solid	5035	
240-36288-5	MRC-E-SB-1359-15	T	Solid	5035	
240-36288-6	MRC-E-SB-1359-20	T	Solid	5035	
240-36288-7	MRC-E-SB-1359-25	T	Solid	5035	
240-36288-8	MRC-E-SB-1359-28	T	Solid	5035	
Analysis Batch:240-127404					
LCS 240-127404/5	Lab Control Sample	T	Solid	8260B	
MB 240-127404/6	Method Blank	T	Solid	8260B	
LCS 240-127230/2-A	Lab Control Sample	T	Solid	8260B	240-127230
MB 240-127230/1-A	Method Blank	T	Solid	8260B	240-127230
240-36288-1	MRC-E-SB-1360-15	T	Solid	8260B	240-127230
240-36288-2	MRC-E-SB-1360-20	T	Solid	8260B	240-127230
240-36288-3	MRC-E-SB-1360-25	T	Solid	8260B	240-127230
240-36288-4	MRC-E-SB-1360-28	T	Solid	8260B	240-127230
240-36288-5	MRC-E-SB-1359-15	T	Solid	8260B	240-127264
240-36288-6	MRC-E-SB-1359-20	T	Solid	8260B	240-127264
Analysis Batch:240-127420					
LCS 240-127420/4	Lab Control Sample	T	Water	8260B	
MB 240-127420/6	Method Blank	T	Water	8260B	
240-36155-B-2 MS	Matrix Spike	T	Water	8260B	
240-36155-B-2 MSD	Matrix Spike Duplicate	T	Water	8260B	
240-36288-9TB	TB-041714	T	Water	8260B	

TestAmerica Canton

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-36288-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch: 240-127498					
LCS 240-127498/6	Lab Control Sample	T	Solid	8260B	
MB 240-127264/3-A	Method Blank	T	Solid	8260B	240-127264
240-36249-B-3-C MS	Matrix Spike	T	Solid	8260B	240-127503
240-36249-B-3-D MSD	Matrix Spike Duplicate	T	Solid	8260B	240-127503
240-36288-1	MRC-E-SB-1360-15	T	Solid	8260B	240-127264
240-36288-3	MRC-E-SB-1360-25	T	Solid	8260B	240-127264
Prep Batch: 240-127503					
240-36249-B-3-C MS	Matrix Spike	T	Solid	5035	
240-36249-B-3-D MSD	Matrix Spike Duplicate	T	Solid	5035	

Report Basis

T = Total

General Chemistry

Analysis Batch: 240-127231					
240-36288-1	MRC-E-SB-1360-15	T	Solid	Moisture	
240-36288-1DU	Duplicate	T	Solid	Moisture	
240-36288-2	MRC-E-SB-1360-20	T	Solid	Moisture	
240-36288-3	MRC-E-SB-1360-25	T	Solid	Moisture	
240-36288-4	MRC-E-SB-1360-28	T	Solid	Moisture	
240-36288-7	MRC-E-SB-1359-25	T	Solid	Moisture	
240-36288-8	MRC-E-SB-1359-28	T	Solid	Moisture	

Report Basis

T = Total



Tetra Tech, Inc.

INTERNAL CORRESPONDENCE

TO: A. APANAVAGE **DATE: MAY 15, 2014**
FROM: MICHELLE L. ALLEN **COPIES: DV FILE**
SUBJECT: ORGANIC DATA VALIDATION – VOC
LOCKHEED MARTIN CORPORATION (LMC) – MIDDLE RIVER COMPLEX (MRC)
BLOCK E
SDG 240-36327-1

SAMPLES: 16/Aqueous/VOC

MRC-E-SB-1362-15	MRC-E-SB-1362-20	MRC-E-SB-1362-24
MRC-E-SB-1362-28	MRC-E-SB-1363-12	MRC-E-SB-1363-16
MRC-E-SB-1363-20	MRC-E-SB-1363-24	MRC-E-SB-1363-28
MRC-E-SB-1364-12	MRC-E-SB-1364-16	MRC-E-SB-1364-20
MRC-E-SB-1364-24	MRC-E-SB-1364-28	MRC-E-SB-1364-32
TB-041814		

Overview

The sample set for LMC-MRC Block E, SDG 240-36327-1 consisted of seven (7) soil environmental samples and one (1) trip blank. All seven (7) samples were analyzed for volatile organic compounds (VOC). No field duplicate sample pair was included in this SDG.

The samples were collected by Tetra Tech, Inc. on April 17-18, 2014 and analyzed by TestAmerica, Inc. All analyses were conducted in accordance with SW-846 Method 8260B analytical and reporting protocols.

The data contained in this SDG were validated with regard to the following parameters: data completeness, holding times, laboratory method and trip blanks, tentatively identified compounds, and detection limits. Areas of concern are listed below.

Major

- A Tentatively Identified Compound (TIC) in sample MRC-E-SB-1363-16 was considered column bleed from the GCMS instrument was qualified as rejected, (R).

Minor

- The compound 2-methyl-1-propene was detected as a TIC in sample MRC-E-SB-1362-28. The GCMS instrument was not calibrated for this compound; therefore, it was qualified as qualified estimated, (NJ), and assumed to be presumptively present.
- Detected results reported below the Reporting Limit (RL) limit but above the Method Detection Limit (MDL) were qualified as estimated, (J).

TO: A. APANAVAGE
SDG: 240-36327-1

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Notes

The following samples were initially analyzed at dilutions due to concentrations of target compounds:

<u>Sample</u>	<u>Dilution</u>
MRC-E-SB-1363-12	25X
MRC-E-SB-1363-20	6.67X
MRC-E-SB-1364-12	1000X
MRC-E-SB-1364-16	1666.67X
MRC-E-SB-1364-20	5000X
MRC-E-SB-1364-24	6666.67X
MRC-E-SB-1364-28	1000X
MRC-E-SB-1364-32	50X

The RLs of the non-detected results were elevated.

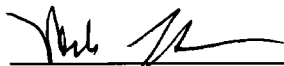
Non-detected results were reported to the MDL.

Executive Summary

Laboratory Performance: None.

Other Factors Affecting Data Quality: Some samples required dilutions. A TIC identified as column bleed was rejected. Results below the RL were estimated.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Organic Review" (June 2008) and SW-846 Method 8260B analytical and reporting protocols. 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 ($< 2 \times \text{IDL}$ for inorganics and $< \text{CRQL}$ for organics)
- Q = Other problems (can encompass a number of issues; i.e. chromatography, interferences, etc.)
- R = Surrogates Recovery Noncompliance
- S = Pesticide/PCB Resolution
- T = % Breakdown Noncompliance for DDT and Endrin
- U = RPD between columns/detectors $> 40\%$ for positive results determined via GC/HPLC
- V = Non-linear calibrations; correlation coefficient $r < 0.995$
- W = EMPC result
- X = Signal to noise response drop
- Y = Percent solids $< 30\%$
- Z = Uncertainty at 2 standard deviations is greater than sample activity
- Z1 = Tentatively Identified Compound considered presumptively present
- Z2 = Tentatively Identified Compound column bleed
- Z3 = Tentatively Identified Compound aldol condensate

PROJ_NO: 04769 SDG: 240-36327-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MRC-E-SB-1362-15			MRC-E-SB-1362-20			MRC-E-SB-1362-24			MRC-E-SB-1362-28		
	LAB_ID	240-36327-1			240-36327-2			240-36327-3			240-36327-4		
	SAMP_DATE	4/17/2014			4/17/2014			4/17/2014			4/18/2014		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE			0.23 U			0.23 U			0.23 U			0.23 U	
1,1,1-TRICHLOROETHANE			0.22 U			0.22 U			0.22 U			0.22 U	
1,1,2,2-TETRACHLOROETHANE			0.18 U			0.18 U			0.18 U			0.18 U	
1,1,2-TRICHLOROTRIFLUOROETHANE			0.28 U			0.28 U			0.28 U			0.28 U	
1,1-DICHLOROETHANE			0.85 J	P		0.15 U			0.15 U			0.15 U	
1,1-DICHLOROETHENE			0.19 U			0.19 U			0.19 U			0.19 U	
1,1-DICHLOROPROPENE			0.13 U			0.13 U			0.13 U			0.13 U	
1,2,3-TRICHLOROBENZENE			0.17 U			0.17 U			0.17 U			0.17 U	
1,2,3-TRICHLOROPROPANE			0.43 U			0.43 U			0.43 U			0.43 U	
1,2,3-TRIMETHYLBENZENE			0.0059 U			0.0059 U			0.0059 U			0.0059 U	
1,2,4-TRICHLOROBENZENE			0.15 U			0.15 U			0.15 U			0.15 U	
1,2,4-TRIMETHYLBENZENE			0.12 U			0.12 U			0.12 U			0.12 U	
1,2-DIBROMO-3-CHLOROPROPANE			0.67 U			0.67 U			0.67 U			0.67 U	
1,2-DIBROMOETHANE			0.24 U			0.24 U			0.24 U			0.24 U	
1,2-DICHLOROBENZENE			0.13 U			0.13 U			0.13 U			0.13 U	
1,2-DICHLOROETHANE			0.22 U			0.22 U			0.22 U			0.22 U	
1,2-DICHLOROPROPANE			0.18 U			0.18 U			0.18 U			0.18 U	
1,3-DICHLOROBENZENE			0.14 U			0.14 U			0.14 U			0.14 U	
1,3-DICHLOROPROPANE			0.16 U			0.16 U			0.16 U			0.16 U	
1,4-DICHLOROBENZENE			0.13 U			0.13 U			0.13 U			0.13 U	
1-PROPENE, 2-METHYL-												1.7 NJ	Z1
2,2-DICHLOROPROPANE			0.13 U			0.13 U			0.13 U			0.13 U	
2-BUTANONE			0.57 U			1.2 J	P		0.57 U			0.57 U	
2-CHLOROETHYL VINYL ETHER			0.99 U			0.99 U			0.99 U			0.99 U	
2-CHLOROTOLUENE			0.11 U			0.11 U			0.11 U			0.11 U	
2-HEXANONE			0.41 U			0.41 U			0.41 U			0.41 U	
4-CHLOROTOLUENE			0.18 U			0.18 U			0.18 U			0.18 U	
4-ISOPROPYLTOLUENE			0.12 U			0.12 U			0.12 U			0.12 U	
4-METHYL-2-PENTANONE			0.32 U			0.32 U			0.32 U			0.32 U	
ACETONE			1.1 U			3.9 J	P		2.2 J	P		2.8 J	P
BENZENE			0.13 U			0.13 U			0.13 U			0.13 U	
BROMOBENZENE			0.13 U			0.13 U			0.13 U			0.13 U	
BROMOCHLOROMETHANE			0.29 U			0.29 U			0.29 U			0.29 U	
BROMODICHLOROMETHANE			0.15 U			0.15 U			0.15 U			0.15 U	
BROMOFORM			0.64 U			0.64 U			0.64 U			0.64 U	
BROMOMETHANE			0.41 U			0.41 U			0.41 U			0.41 U	

PROJ_NO: 04769 SDG: 240-36327-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MRC-E-SB-1363-12				MRC-E-SB-1363-16				MRC-E-SB-1363-20				MRC-E-SB-1363-24			
	LAB_ID	240-36327-5				240-36327-6				240-36327-7				240-36327-8			
	SAMP_DATE	4/18/2014				4/18/2014				4/18/2014				4/18/2014			
	QC_TYPE	NM				NM				NM				NM			
	UNITS	UG/L				UG/L				UG/L				UG/L			
	PCT_SOLIDS	0.0				0.0				0.0				0.0			
	DUP_OF																
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
1,1,1,2-TETRACHLOROETHANE			5.8 U			0.23 U			1.5 U			0.23 U			0.23 U		
1,1,1-TRICHLOROETHANE			5.5 U			0.22 U			1.5 U			0.22 U			0.22 U		
1,1,2,2-TETRACHLOROETHANE			4.5 U			0.18 U			1.2 U			0.18 U			0.18 U		
1,1,2-TRICHLOROTRIFLUOROETHANE			7 U			0.28 U			1.9 U			0.28 U			0.28 U		
1,1-DICHLOROETHANE			3.8 U			0.15 U			1 U			0.15 U			0.15 U		
1,1-DICHLOROETHENE			4.8 U			0.19 U			1.3 U			0.19 U			0.19 U		
1,1-DICHLOROPROPENE			3.3 U			0.13 U			0.87 U			0.13 U			0.13 U		
1,2,3-TRICHLOROBENZENE			4.3 U			0.17 U			1.1 U			0.17 U			0.17 U		
1,2,3-TRICHLOROPROPANE			11 U			0.43 U			2.9 U			0.43 U			0.43 U		
1,2,3-TRIMETHYLBENZENE			0.15 U			0.0059 U			0.039 U			0.0059 U			0.0059 U		
1,2,4-TRICHLOROBENZENE			3.8 U			0.15 U			1 U			0.15 U			0.15 U		
1,2,4-TRIMETHYLBENZENE			3 U			0.12 U			0.8 U			0.12 U			0.12 U		
1,2-DIBROMO-3-CHLOROPROPANE			17 U			0.67 U			4.5 U			0.67 U			0.67 U		
1,2-DIBROMOETHANE			6 U			0.24 U			1.6 U			0.24 U			0.24 U		
1,2-DICHLOROBENZENE			3.3 U			0.13 U			0.87 U			0.13 U			0.13 U		
1,2-DICHLOROETHANE			5.5 U			0.22 U			1.5 U			0.22 U			0.22 U		
1,2-DICHLOROPROPANE			4.5 U			0.18 U			1.2 U			0.18 U			0.18 U		
1,3-DICHLOROBENZENE			3.5 U			0.14 U			0.93 U			0.14 U			0.14 U		
1,3-DICHLOROPROPANE			4 U			0.16 U			1.1 U			0.16 U			0.16 U		
1,4-DICHLOROBENZENE			3.3 U			0.13 U			0.87 U			0.13 U			0.13 U		
1-PROPENE, 2-METHYL-																	
2,2-DICHLOROPROPANE			3.3 U			0.13 U			0.87 U			0.13 U			0.13 U		
2-BUTANONE			14 U			0.57 U			3.8 U			0.57 U			0.57 U		
2-CHLOROETHYL VINYL ETHER			25 U			0.99 U			6.6 U			0.99 U			0.99 U		
2-CHLOROTOLUENE			2.8 U			0.11 U			0.73 U			0.11 U			0.11 U		
2-HEXANONE			10 U			0.41 U			2.7 U			0.41 U			0.41 U		
4-CHLOROTOLUENE			4.5 U			0.18 U			1.2 U			0.18 U			0.18 U		
4-ISOPROPYLTOLUENE			3 U			0.12 U			0.8 U			0.12 U			0.12 U		
4-METHYL-2-PENTANONE			8 U			0.32 U			2.1 U			0.32 U			0.32 U		
ACETONE			28 U			1.1 U			7.3 U			1.1 U			1.1 U		
BENZENE			3.3 U			0.13 U			0.87 U			0.13 U			0.13 U		
BROMOBENZENE			3.3 U			0.13 U			0.87 U			0.13 U			0.13 U		
BROMOCHLOROMETHANE			7.3 U			0.29 U			1.9 U			0.29 U			0.29 U		
BROMODICHLOROMETHANE			3.8 U			0.15 U			1 U			0.15 U			0.15 U		
BROMOFORM			16 U			0.64 U			4.3 U			0.64 U			0.64 U		
BROMOMETHANE			10 U			0.41 U			2.7 U			0.41 U			0.41 U		

PROJ_NO: 04769	NSAMPLE		MRC-E-SB-1363-28		MRC-E-SB-1364-12		MRC-E-SB-1364-16		MRC-E-SB-1364-20	
	LAB_ID	240-36327-9	240-36327-10	240-36327-11	240-36327-12	240-36327-13	240-36327-14	240-36327-15	240-36327-16	240-36327-17
SDG: 240-36327-1 FRACTION: OV MEDIA: WATER	SAMP_DATE	4/18/2014	4/18/2014	4/18/2014	4/18/2014	4/18/2014	4/18/2014	4/18/2014	4/18/2014	4/18/2014
	QC_TYPE	NM	NM	NM	NM	NM	NM	NM	NM	NM
	UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
	PCT_SOLIDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	DUP_OF									
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.23 U			230 U			380 U		
1,1,1-TRICHLOROETHANE		0.22 U			220 U			370 U		
1,1,2,2-TETRACHLOROETHANE		0.18 U			180 U			300 U		
1,1,2-TRICHLOROTRIFLUOROETHANE		0.28 U			280 U			470 U		
1,1-DICHLOROETHANE		0.15 U			150 U			250 U		
1,1-DICHLOROETHENE		0.19 U			190 U			320 U		
1,1-DICHLOROPROPENE		0.13 U			130 U			220 U		
1,2,3-TRICHLOROBENZENE		0.17 U			170 U			280 U		
1,2,3-TRICHLOROPROPANE		0.43 U			430 U			720 U		
1,2,3-TRIMETHYLBENZENE		0.0059 U			5.9 U			9.8 U		
1,2,4-TRICHLOROBENZENE		0.15 U			150 U			250 U		
1,2,4-TRIMETHYLBENZENE		0.12 U			120 U			200 U		
1,2-DIBROMO-3-CHLOROPROPANE		0.67 U			670 U			1100 U		
1,2-DIBROMOETHANE		0.24 U			240 U			400 U		
1,2-DICHLOROBENZENE		0.13 U			130 U			220 U		
1,2-DICHLOROETHANE		0.22 U			220 U			370 U		
1,2-DICHLOROPROPANE		0.18 U			180 U			300 U		
1,3-DICHLOROBENZENE		0.14 U			140 U			230 U		
1,3-DICHLOROPROPANE		0.16 U			160 U			270 U		
1,4-DICHLOROBENZENE		0.13 U			130 U			220 U		
1-PROPENE, 2-METHYL-										
2,2-DICHLOROPROPANE		0.13 U			130 U			220 U		
2-BUTANONE		0.57 U			570 U			950 U		
2-CHLOROETHYL VINYL ETHER		0.99 U			990 U			1700 U		
2-CHLOROTOLUENE		0.11 U			110 U			180 U		
2-HEXANONE		0.41 U			410 U			680 U		
4-CHLOROTOLUENE		0.18 U			180 U			300 U		
4-ISOPROPYLTOLUENE		0.12 U			120 U			200 U		
4-METHYL-2-PENTANONE		0.32 U			320 U			530 U		
ACETONE		1.7 J	P		1100 U			1800 U		
BENZENE		0.13 U			130 U			220 U		
BROMOBENZENE		0.13 U			130 U			220 U		
BROMOCHLOROMETHANE		0.29 U			290 U			480 U		
BROMODICHLOROMETHANE		0.15 U			150 U			250 U		
BROMOFORM		0.64 U			640 U			1100 U		
BROMOMETHANE		0.41 U			410 U			680 U		

PROJ_NO: 04769 SDG: 240-36327-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MRC-E-SB-1364-24			MRC-E-SB-1364-28			MRC-E-SB-1364-32			TB-041814		
	LAB_ID	240-36327-13			240-36327-14			240-36327-15			240-36327-16		
	SAMP_DATE	4/18/2014			4/18/2014			4/18/2014			4/18/2014		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER													
1,1,1,2-TETRACHLOROETHANE		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE			1500 U			230 U			12 U			0.23 U	
1,1,2,2-TETRACHLOROETHANE			1500 U			220 U			11 U			0.22 U	
1,1,2,2-TETRACHLOROETHANE			1200 U			180 U			9 U			0.18 U	
1,1,2-TRICHLOROTRIFLUOROETHANE			1900 U			280 U			14 U			0.28 U	
1,1-DICHLOROETHANE			1000 U			150 U			7.5 U			0.15 U	
1,1-DICHLOROETHENE			1300 U			190 U			9.5 U			0.19 U	
1,1-DICHLOROPROPENE			870 U			130 U			6.5 U			0.13 U	
1,2,3-TRICHLOROBENZENE			1100 U			170 U			8.5 U			0.17 U	
1,2,3-TRICHLOROPROPANE			2900 U			430 U			22 U			0.43 U	
1,2,3-TRIMETHYLBENZENE			39 U			5.9 U			0.3 U			0.0059 U	
1,2,4-TRICHLOROBENZENE			1000 U			150 U			7.5 U			0.15 U	
1,2,4-TRIMETHYLBENZENE			800 U			120 U			6 U			0.12 U	
1,2-DIBROMO-3-CHLOROPROPANE			4500 U			670 U			34 U			0.67 U	
1,2-DIBROMOETHANE			1600 U			240 U			12 U			0.24 U	
1,2-DICHLOROBENZENE			870 U			130 U			6.5 U			0.13 U	
1,2-DICHLOROETHANE			1500 U			220 U			11 U			0.22 U	
1,2-DICHLOROPROPANE			1200 U			180 U			9 U			0.18 U	
1,3-DICHLOROBENZENE			930 U			140 U			7 U			0.14 U	
1,3-DICHLOROPROPANE			1100 U			160 U			8 U			0.16 U	
1,4-DICHLOROBENZENE			870 U			130 U			6.5 U			0.13 U	
1-PROPENE, 2-METHYL-													
2,2-DICHLOROPROPANE			870 U			130 U			6.5 U			0.13 U	
2-BUTANONE			3800 U			570 U			29 U			0.57 U	
2-CHLOROETHYL VINYL ETHER			6600 U			990 U			50 U			0.99 U	
2-CHLOROTOLUENE			730 U			110 U			5.5 U			0.11 U	
2-HEXANONE			2700 U			410 U			21 U			0.41 U	
4-CHLOROTOLUENE			1200 U			180 U			9 U			0.18 U	
4-ISOPROPYLTOLUENE			800 U			120 U			6 U			0.12 U	
4-METHYL-2-PENTANONE			2100 U			320 U			16 U			0.32 U	
ACETONE			7300 U			1100 U			55 U			1.1 U	
BENZENE			870 U			130 U			6.5 U			0.13 U	
BROMOBENZENE			870 U			130 U			6.5 U			0.13 U	
BROMOCHLOROMETHANE			1900 U			290 U			15 U			0.29 U	
BROMODICHLOROMETHANE			1000 U			150 U			7.5 U			0.15 U	
BROMOFORM			4300 U			640 U			32 U			0.64 U	
BROMOMETHANE			2700 U			410 U			21 U			0.41 U	

PROJ_NO: 04769 SDG: 240-36327-1 FRACTION: OV MEDIA: WATER		NSAMPLE		MRC-E-SB-1362-15				MRC-E-SB-1362-20				MRC-E-SB-1362-24				MRC-E-SB-1362-28			
		LAB_ID		240-36327-1					240-36327-2				240-36327-3				240-36327-4		
		SAMP_DATE		4/17/2014					4/17/2014				4/17/2014				4/18/2014		
		QC_TYPE		NM					NM				NM				NM		
		UNITS		UG/L					UG/L				UG/L				UG/L		
		PCT_SOLIDS		0.0				0.0				0.0			0.0				
		DUP_OF																	
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE			0.13 U			0.13 U			0.13 U			0.13 U			0.13 U		0.62 J	P	
CARBON TETRACHLORIDE			0.13 U			0.13 U			0.13 U			0.13 U			0.13 U		0.13 U		
CHLOROBENZENE			0.15 U			0.15 U			0.15 U			0.15 U			0.15 U		0.15 U		
CHLORODIBROMOMETHANE			0.18 U			0.18 U			0.18 U			0.18 U			0.18 U		0.18 U		
CHLOROETHANE			0.29 U			0.29 U			0.29 U			0.29 U			0.29 U		0.29 U		
CHLOROFORM			0.16 U			0.16 U			0.41 J	P		0.18 J	P		0.18 J	P	0.68 J	P	
CHLOROMETHANE			0.3 U			0.3 U			0.3 U			0.3 U			0.3 U		0.3 U		
CIS-1,2-DICHLOROETHENE			1.8			1.8			0.39 J	P		0.17 U			0.17 U		1.7		
CIS-1,3-DICHLOROPROPENE			0.14 U			0.14 U			0.14 U			0.14 U			0.14 U		0.14 U		
DIBROMOMETHANE			0.28 U			0.28 U			0.28 U			0.28 U			0.28 U		0.28 U		
DICHLORODIFLUOROMETHANE			0.31 U			0.31 U			0.31 U			0.31 U			0.31 U		0.31 U		
DIISOPROPYL ETHER			1.5 U			1.5 U			1.5 U			1.5 U			1.5 U		1.5 U		
ETHYL TERT-BUTYL ETHER			0.11 U			0.11 U			0.11 U			0.11 U			0.11 U		0.11 U		
ETHYLBENZENE			0.17 U			0.17 U			0.17 U			0.17 U			0.17 U		0.17 U		
HEXACHLOROBUTADIENE			0.3 U			0.3 U			0.3 U			0.3 U			0.3 U		0.3 U		
ISOPROPYLBENZENE			0.13 U			0.13 U			0.13 U			0.13 U			0.13 U		0.13 U		
M+P-XYLENES			0.24 U			0.24 U			0.24 U			0.24 U			0.24 U		0.24 U		
METHYL TERT-BUTYL ETHER			0.17 U			0.17 U			0.17 U			0.17 U			0.17 U		1.7		
METHYLENE CHLORIDE			0.33 U			0.33 U			0.33 U			0.33 U			0.33 U		0.33 U		
NAPHTHALENE			0.24 U			0.24 U			0.24 U			0.24 U			0.24 U		0.24 U		
N-BUTYLBENZENE			0.12 U			0.12 U			0.12 U			0.12 U			0.12 U		0.12 U		
N-PROPYLBENZENE			0.14 U			0.14 U			0.14 U			0.14 U			0.14 U		0.14 U		
O-XYLENE			0.14 U			0.14 U			0.14 U			0.14 U			0.14 U		0.14 U		
SEC-BUTYLBENZENE			0.13 U			0.13 U			0.13 U			0.13 U			0.13 U		0.13 U		
SILANOL, TRIMETHYL-																			
STYRENE			0.11 U			0.11 U			0.11 U			0.11 U			0.11 U		0.11 U		
TERT-AMYL METHYL ETHER			0.067 U			0.067 U			0.067 U			0.067 U			0.067 U		0.067 U		
TERT-BUTYLBENZENE			0.13 U			0.13 U			0.13 U			0.13 U			0.13 U		0.13 U		
TERTIARY-BUTYL ALCOHOL			3.9 U			3.9 U			3.9 U			3.9 U			3.9 U		3.9 U		
TETRACHLOROETHENE			0.29 U			0.29 U			0.29 U			0.29 U			0.29 U		0.29 U		
TOLUENE			0.13 U			0.13 U			0.13 U			0.13 U			0.13 U		0.13 U		
TOTAL XYLENES			0.14 U			0.14 U			0.14 U			0.14 U			0.14 U		0.14 U		
TRANS-1,2-DICHLOROETHENE			0.19 U			0.19 U			0.19 U			0.19 U			0.19 U		0.19 U		
TRANS-1,3-DICHLOROPROPENE			0.19 U			0.19 U			0.19 U			0.19 U			0.19 U		0.19 U		
TRICHLOROETHENE			22			22			7.7			0.56 J	P		0.56 J	P	1.9		
TRICHLOROFLUOROMETHANE			0.21 U			0.21 U			0.21 U			0.21 U			0.21 U		0.21 U		

PROJ_NO: 04769 SDG: 240-36327-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MRC-E-SB-1363-12				MRC-E-SB-1363-16				MRC-E-SB-1363-20				MRC-E-SB-1363-24			
	LAB_ID	240-36327-5				240-36327-6				240-36327-7				240-36327-8			
	SAMP_DATE	4/18/2014				4/18/2014				4/18/2014				4/18/2014			
	QC_TYPE	NM				NM				NM				NM			
	UNITS	UG/L				UG/L				UG/L				UG/L			
	PCT_SOLIDS	0.0				0.0				0.0				0.0			
DUP_OF																	
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
CARBON DISULFIDE			3.3 U			0.13 U			0.87 U			0.13 U			0.13 U		
CARBON TETRACHLORIDE			3.3 U			0.13 U			0.87 U			0.37 J			0.37 J	P	
CHLOROBENZENE			3.8 U			0.15 U			1 U			0.15 U			0.15 U		
CHLORODIBROMOMETHANE			4.5 U			0.18 U			1.2 U			0.18 U			0.18 U		
CHLOROETHANE			7.3 U			0.29 U			1.9 U			0.29 U			0.29 U		
CHLOROFORM			4 U			0.16 U			1.1 U			0.33 J			0.33 J	P	
CHLOROMETHANE			7.5 U			0.3 U			2 U			0.3 U			0.3 U		
CIS-1,2-DICHLOROETHENE			28			0.23 J		P	1.1 U			0.17 U			0.17 U		
CIS-1,3-DICHLOROPROPENE			3.5 U			0.14 U			0.93 U			0.14 U			0.14 U		
DIBROMOMETHANE			7 U			0.28 U			1.9 U			0.28 U			0.28 U		
DICHLORODIFLUOROMETHANE			7.8 U			0.31 U			2.1 U			0.31 U			0.31 U		
DIISOPROPYL ETHER			38 U			1.5 U			10 U			1.5 U			1.5 U		
ETHYL TERT-BUTYL ETHER			2.8 U			0.11 U			0.73 U			0.11 U			0.11 U		
ETHYLBENZENE			4.3 U			0.17 U			1.1 U			0.17 U			0.17 U		
HEXACHLOROBUTADIENE			7.5 U			0.3 U			2 U			0.3 U			0.3 U		
ISOPROPYLBENZENE			3.3 U			0.13 U			0.87 U			0.13 U			0.13 U		
M+P-XYLENES			6 U			0.24 U			1.6 U			0.24 U			0.24 U		
METHYL TERT-BUTYL ETHER			4.3 U			0.17 U			1.1 U			0.17 U			0.17 U		
METHYLENE CHLORIDE			8.3 U			0.33 U			2.2 U			0.33 U			0.33 U		
NAPHTHALENE			6 U			0.24 U			1.6 U			0.24 U			0.24 U		
N-BUTYLBENZENE			3 U			0.12 U			0.8 U			0.12 U			0.12 U		
N-PROPYLBENZENE			3.5 U			0.14 U			0.93 U			0.14 U			0.14 U		
O-XYLENE			3.5 U			0.14 U			0.93 U			0.14 U			0.14 U		
SEC-BUTYLBENZENE			3.3 U			0.13 U			0.87 U			0.13 U			0.13 U		
SILANOL, TRIMETHYL-						1.4 R	Z2										
STYRENE			2.8 U			0.11 U			0.73 U			0.11 U			0.11 U		
TERT-AMYL METHYL ETHER			1.7 U			0.067 U			0.45 U			0.067 U			0.067 U		
TERT-BUTYLBENZENE			3.3 U			0.13 U			0.87 U			0.13 U			0.13 U		
TERTIARY-BUTYL ALCOHOL			98 U			3.9 U			26 U			3.9 U			3.9 U		
TETRACHLOROETHENE			7.3 U			0.29 U			1.9 U			0.29 U			0.29 U		
TOLUENE			3.3 U			0.13 U			0.87 U			0.13 U			0.13 U		
TOTAL XYLENES			3.5 U			0.14 U			0.93 U			0.14 U			0.14 U		
TRANS-1,2-DICHLOROETHENE			4.8 U			0.19 U			1.3 U			0.19 U			0.19 U		
TRANS-1,3-DICHLOROPROPENE			4.8 U			0.19 U			1.3 U			0.19 U			0.19 U		
TRICHLOROETHENE			630			9.7			160			19			19		
TRICHLOROFLUOROMETHANE			5.3 U			0.21 U			1.4 U			0.21 U			0.21 U		

PROJ_NO: 04769 SDG: 240-36327-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MRC-E-SB-1363-28	MRC-E-SB-1364-12	MRC-E-SB-1364-16	MRC-E-SB-1364-20									
	LAB_ID	240-36327-9	240-36327-10	240-36327-11	240-36327-12									
	SAMP_DATE	4/18/2014	4/18/2014	4/18/2014	4/18/2014									
	QC_TYPE	NM	NM	NM	NM									
	UNITS	UG/L	UG/L	UG/L	UG/L									
	PCT_SOLIDS	0.0	0.0	0.0	0.0									
	DUP_OF													
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD					
CARBON DISULFIDE		0.13 U				130 U				220 U			650 U	
CARBON TETRACHLORIDE		0.21 J	P			130 U				220 U			650 U	
CHLOROBENZENE		0.15 U				150 U				250 U			750 U	
CHLORODIBROMOMETHANE		0.18 U				180 U				300 U			900 U	
CHLOROETHANE		0.29 U				290 U				480 U			1500 U	
CHLOROFORM		1				160 U				270 U			800 U	
CHLOROMETHANE		0.3 U				300 U				500 U			1500 U	
CIS-1,2-DICHLOROETHENE		2.6				480 J	P			280 U			850 U	
CIS-1,3-DICHLOROPROPENE		0.14 U				140 U				230 U			700 U	
DIBROMOMETHANE		0.28 U				280 U				470 U			1400 U	
DICHLORODIFLUOROMETHANE		0.31 U				310 U				520 U			1600 U	
DIISOPROPYL ETHER		1.5 U				1500 U				2500 U			7500 U	
ETHYL TERT-BUTYL ETHER		0.11 U				110 U				180 U			550 U	
ETHYLBENZENE		0.17 U				170 U				280 U			850 U	
HEXACHLOROBUTADIENE		0.3 U				300 U				500 U			1500 U	
ISOPROPYLBENZENE		0.13 U				130 U				220 U			650 U	
M+P-XYLENES		0.24 U				240 U				400 U			1200 U	
METHYL TERT-BUTYL ETHER		2.8				170 U				280 U			850 U	
METHYLENE CHLORIDE		0.33 U				330 U				550 U			1700 U	
NAPHTHALENE		0.24 U				240 U				400 U			1200 U	
N-BUTYLBENZENE		0.12 U				120 U				200 U			600 U	
N-PROPYLBENZENE		0.14 U				140 U				230 U			700 U	
O-XYLENE		0.14 U				140 U				230 U			700 U	
SEC-BUTYLBENZENE		0.13 U				130 U				220 U			650 U	
SILANOL, TRIMETHYL-														
STYRENE		0.11 U				110 U				180 U			550 U	
TERT-AMYL METHYL ETHER		0.067 U				67 U				110 U			340 U	
TERT-BUTYLBENZENE		0.13 U				130 U				220 U			650 U	
TERTIARY-BUTYL ALCOHOL		3.9 U				3900 U				6500 U			20000 U	
TETRACHLOROETHENE		0.29 U				290 U				480 U			1500 U	
TOLUENE		0.13 U				130 U				220 U			650 U	
TOTAL XYLENES		0.14 U				140 U				230 U			700 U	
TRANS-1,2-DICHLOROETHENE		0.19 U				190 U				320 U			950 U	
TRANS-1,3-DICHLOROPROPENE		0.19 U				190 U				320 U			950 U	
TRICHLOROETHENE		5.3				24000				38000			130000	
TRICHLOROFLUOROMETHANE		0.21 U				210 U				350 U			1100 U	

PROJ_NO: 04769 SDG: 240-36327-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MRC-E-SB-1364-24	MRC-E-SB-1364-28	MRC-E-SB-1364-32	TB-041814		
	LAB_ID	240-36327-13	240-36327-14	240-36327-15	240-36327-16		
	SAMP_DATE	4/18/2014	4/18/2014	4/18/2014	4/18/2014		
	QC_TYPE	NM	NM	NM	NM		
	UNITS	UG/L	UG/L	UG/L	UG/L		
	PCT_SOLIDS	0.0	0.0	0.0	0.0		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		870 U	130 U		6.5 U	0.13 U	
CARBON TETRACHLORIDE		870 U	130 U		6.5 U	0.13 U	
CHLOROBENZENE		1000 U	150 U		7.5 U	0.15 U	
CHLORODIBROMOMETHANE		1200 U	180 U		9 U	0.18 U	
CHLOROETHANE		1900 U	290 U		15 U	0.29 U	
CHLOROFORM		1100 U	160 U		8 U	0.16 U	
CHLOROMETHANE		2000 U	300 U		15 U	0.3 U	
CIS-1,2-DICHLOROETHENE		1100 U	170 U	P	13 J	0.17 U	
CIS-1,3-DICHLOROPROPENE		930 U	140 U		7 U	0.14 U	
DIBROMOMETHANE		1900 U	280 U		14 U	0.28 U	
DICHLORODIFLUOROMETHANE		2100 U	310 U		16 U	0.31 U	
DIISOPROPYL ETHER		10000 U	1500 U		75 U	1.5 U	
ETHYL TERT-BUTYL ETHER		730 U	110 U		5.5 U	0.11 U	
ETHYLBENZENE		1100 U	170 U		8.5 U	0.17 U	
HEXACHLOROBUTADIENE		2000 U	300 U		15 U	0.3 U	
ISOPROPYLBENZENE		870 U	130 U		6.5 U	0.13 U	
M+P-XYLENES		1600 U	240 U		12 U	0.24 U	
METHYL TERT-BUTYL ETHER		1100 U	170 U	P	17 J	0.17 U	
METHYLENE CHLORIDE		2200 U	330 U		17 U	0.33 U	
NAPHTHALENE		1600 U	240 U		12 U	0.24 U	
N-BUTYLBENZENE		800 U	120 U		6 U	0.12 U	
N-PROPYLBENZENE		930 U	140 U		7 U	0.14 U	
O-XYLENE		930 U	140 U		7 U	0.14 U	
SEC-BUTYLBENZENE		870 U	130 U		6.5 U	0.13 U	
SILANOL, TRIMETHYL-							
STYRENE		730 U	110 U		5.5 U	0.11 U	
TERT-AMYL METHYL ETHER		450 U	67 U		3.4 U	0.067 U	
TERT-BUTYLBENZENE		870 U	130 U		6.5 U	0.13 U	
TERTIARY-BUTYL ALCOHOL		26000 U	3900 U		200 U	3.9 U	
TETRACHLOROETHENE		1900 U	290 U		15 U	0.29 U	
TOLUENE		870 U	130 U		6.5 U	0.13 U	
TOTAL XYLENES		930 U	140 U		7 U	0.14 U	
TRANS-1,2-DICHLOROETHENE		1300 U	190 U		9.5 U	0.19 U	
TRANS-1,3-DICHLOROPROPENE		1300 U	190 U		9.5 U	0.19 U	
TRICHLOROETHENE		180000	27000		1100	0.2 J	P
TRICHLOROFLUOROMETHANE		1400 U	210 U		11 U	0.21 U	

PROJ_NO: 04769	NSAMPLE	MRC-E-SB-1362-15	MRC-E-SB-1362-20	MRC-E-SB-1362-24	MRC-E-SB-1362-28
SDG: 240-36327-1	LAB_ID	240-36327-1	240-36327-2	240-36327-3	240-36327-4
FRACTION: OV	SAMP_DATE	4/17/2014	4/17/2014	4/17/2014	4/18/2014
MEDIA: WATER	QC_TYPE	NM	NM	NM	NM
	UNITS	UG/L	UG/L	UG/L	UG/L
	PCT_SOLIDS	0.0	0.0	0.0	0.0
	DUP_OF				
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL
VINYLACETATE	0.19 U	0.19 U		0.19 U	0.19 U
VINYL CHLORIDE	0.22 U	0.22 U		0.22 U	0.22 U

PROJ_NO: 04769 SDG: 240-36327-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MRC-E-SB-1363-12		MRC-E-SB-1363-16		MRC-E-SB-1363-20		MRC-E-SB-1363-24		
	LAB_ID	240-36327-5		240-36327-6		240-36327-7		240-36327-8		
	SAMP_DATE	4/18/2014		4/18/2014		4/18/2014		4/18/2014		
	QC_TYPE	NM		NM		NM		NM		
	UNITS	UG/L		UG/L		UG/L		UG/L		
	PCT_SOLIDS	0.0		0.0		0.0		0.0		
	DUP_OF									
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
VINYL ACETATE			4.8 U			0.19 U		1.3 U		0.19 U
VINYL CHLORIDE			11 J	P		0.22 U		1.5 U		0.22 U

PROJ_NO: 04769 SDG: 240-36327-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MRC-E-SB-1363-28		MRC-E-SB-1364-12		MRC-E-SB-1364-16		MRC-E-SB-1364-20	
	LAB_ID	240-36327-9		240-36327-10		240-36327-11		240-36327-12	
	SAMP_DATE	4/18/2014		4/18/2014		4/18/2014		4/18/2014	
	QC_TYPE	NM		NM		NM		NM	
	UNITS	UG/L		UG/L		UG/L		UG/L	
	PCT_SOLIDS	0.0		0.0		0.0		0.0	
	DUP_OF								
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
VINYL ACETATE		0.19 U			190 U			320 U	950 U
VINYL CHLORIDE		0.22 U			220 U			370 U	1100 U

PROJ_NO: 04769	NSAMPLE	MRC-E-SB-1364-24	MRC-E-SB-1364-28	MRC-E-SB-1364-32	TB-041814	
SDG: 240-36327-1	LAB_ID	240-36327-13	240-36327-14	240-36327-15	240-36327-16	
FRACTION: OV	SAMP_DATE	4/18/2014	4/18/2014	4/18/2014	4/18/2014	
MEDIA: WATER	QC_TYPE	NM	NM	NM	NM	
	UNITS	UG/L	UG/L	UG/L	UG/L	
	PCT_SOLIDS	0.0	0.0	0.0	0.0	
	DUP_OF					
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD
VINYL ACETATE	1300 U			9.5 U	0.19 U	
VINYL CHLORIDE	1500 U			11 U	0.22 U	

Appendix B

Results as Reported by the Laboratory

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-36327-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-E-SB-1362-15</u>	Lab Sample ID: <u>240-36327-1</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXJ7664.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>04/17/2014 14:45</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>04/23/2014 12:53</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18(mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>127544</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.23	U	1.0	0.23
71-55-6	1,1,1-Trichloroethane	0.22	U	1.0	0.22
79-34-5	1,1,2,2-Tetrachloroethane	0.18	U	1.0	0.18
76-13-1	1,1,2-Trichlorotrifluoroethane	0.28	U	1.0	0.28
75-34-3	1,1-Dichloroethane	0.85	J	1.0	0.15
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.13	U	1.0	0.13
87-61-6	1,2,3-Trichlorobenzene	0.17	U	1.0	0.17
96-18-4	1,2,3-Trichloropropane	0.43	U	1.0	0.43
526-73-8	1,2,3-Trimethylbenzene	0.0059	U	5.0	0.0059
120-82-1	1,2,4-Trichlorobenzene	0.15	U	1.0	0.15
95-63-6	1,2,4-Trimethylbenzene	0.12	U	1.0	0.12
96-12-8	1,2-Dibromo-3-Chloropropane	0.67	U	2.0	0.67
95-50-1	1,2-Dichlorobenzene	0.13	U	1.0	0.13
107-06-2	1,2-Dichloroethane	0.22	U	1.0	0.22
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	0.14	U	1.0	0.14
142-28-9	1,3-Dichloropropane	0.16	U	1.0	0.16
106-46-7	1,4-Dichlorobenzene	0.13	U	1.0	0.13
594-20-7	2,2-Dichloropropane	0.13	U	1.0	0.13
110-75-8	2-Chloroethyl vinyl ether	0.99	U	10	0.99
95-49-8	2-Chlorotoluene	0.11	U	1.0	0.11
591-78-6	2-Hexanone	0.41	U	10	0.41
108-86-1	Bromobenzene	0.13	U	1.0	0.13
74-97-5	Bromochloromethane	0.29	U	1.0	0.29
106-43-4	4-Chlorotoluene	0.18	U	1.0	0.18
99-87-6	4-Isopropyltoluene	0.12	U	1.0	0.12
67-64-1	Acetone	1.1	U	10	1.1
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.64	U	1.0	0.64
74-83-9	Bromomethane	0.41	U	1.0	0.41
75-15-0	Carbon disulfide	0.13	U	1.0	0.13
56-23-5	Carbon tetrachloride	0.13	U	1.0	0.13
108-90-7	Chlorobenzene	0.15	U	1.0	0.15
75-00-3	Chloroethane	0.29	U	1.0	0.29
67-66-3	Chloroform	0.16	U	1.0	0.16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1362-15 Lab Sample ID: 240-36327-1

Matrix: Water Lab File ID: UXJ7664.D

Analysis Method: 8260B Date Collected: 04/17/2014 14:45

Sample wt/vol: 5(mL) Date Analyzed: 04/23/2014 12:53

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.: 127544 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.30	U	1.0	0.30
156-59-2	cis-1,2-Dichloroethene	1.8		1.0	0.17
10061-01-5	cis-1,3-Dichloropropene	0.14	U	1.0	0.14
87-68-3	Hexachlorobutadiene	0.30	U	1.0	0.30
74-95-3	Dibromomethane	0.28	U	1.0	0.28
75-27-4	Bromodichloromethane	0.15	U	1.0	0.15
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.17	U	1.0	0.17
106-93-4	1,2-Dibromoethane	0.24	U	1.0	0.24
108-20-3	Diisopropyl ether	1.5	U	10	1.5
91-20-3	Naphthalene	0.24	U	1.0	0.24
179601-23-1	m-Xylene & p-Xylene	0.24	U	2.0	0.24
104-51-8	n-Butylbenzene	0.12	U	1.0	0.12
98-82-8	Isopropylbenzene	0.13	U	1.0	0.13
103-65-1	N-Propylbenzene	0.14	U	1.0	0.14
78-93-3	2-Butanone (MEK)	0.57	U	10	0.57
108-10-1	4-Methyl-2-pentanone (MIBK)	0.32	U	10	0.32
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.17	U	1.0	0.17
994-05-8	Tert-amyl methyl ether	0.067	U	5.0	0.067
75-09-2	Methylene Chloride	0.33	U	1.0	0.33
95-47-6	o-Xylene	0.14	U	1.0	0.14
100-42-5	Styrene	0.11	U	1.0	0.11
637-92-3	Ethyl-t-butyl ether (ETBE)	0.11	U	5.0	0.11
98-06-6	tert-Butylbenzene	0.13	U	1.0	0.13
127-18-4	Tetrachloroethene	0.29	U	1.0	0.29
108-88-3	Toluene	0.13	U	1.0	0.13
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	22		1.0	0.17
75-69-4	Trichlorofluoromethane	0.21	U	1.0	0.21
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.22	U	1.0	0.22
75-65-0	tert-Butyl alcohol	3.9	U	50	3.9
1330-20-7	Xylenes, Total	0.14	U	2.0	0.14
124-48-1	Chlorodibromomethane	0.18	U	1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1362-15 Lab Sample ID: 240-36327-1
Matrix: Water Lab File ID: UXJ7664.D
Analysis Method: 8260B Date Collected: 04/17/2014 14:45
Sample wt/vol: 5 (mL) Date Analyzed: 04/23/2014 12:53
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.: 127544 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		63-129
460-00-4	4-Bromofluorobenzene (Surr)	84		66-120
2037-26-5	Toluene-d8 (Surr)	90		74-120
1868-53-7	Dibromofluoromethane (Surr)	83		75-121

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

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-36327-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-E-SB-1362-15</u>	Lab Sample ID: <u>240-36327-1</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXJ7664.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>04/17/2014 14:45</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>04/23/2014 12:53</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>127544</u>	Units: <u>ug/L</u>
Number TICs Found: <u>0</u>	TIC Result Total: <u>0</u>

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1362-20 Lab Sample ID: 240-36327-2

Matrix: Water Lab File ID: UXJ7665.D

Analysis Method: 8260B Date Collected: 04/17/2014 15:20

Sample wt/vol: 5(mL) Date Analyzed: 04/23/2014 13:16

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.: 127544 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.23	U	1.0	0.23
71-55-6	1,1,1-Trichloroethane	0.22	U	1.0	0.22
79-34-5	1,1,2,2-Tetrachloroethane	0.18	U	1.0	0.18
76-13-1	1,1,2-Trichlorotrifluoroethane	0.28	U	1.0	0.28
75-34-3	1,1-Dichloroethane	0.15	U	1.0	0.15
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.13	U	1.0	0.13
87-61-6	1,2,3-Trichlorobenzene	0.17	U	1.0	0.17
96-18-4	1,2,3-Trichloropropane	0.43	U	1.0	0.43
526-73-8	1,2,3-Trimethylbenzene	0.0059	U	5.0	0.0059
120-82-1	1,2,4-Trichlorobenzene	0.15	U	1.0	0.15
95-63-6	1,2,4-Trimethylbenzene	0.12	U	1.0	0.12
96-12-8	1,2-Dibromo-3-Chloropropane	0.67	U	2.0	0.67
95-50-1	1,2-Dichlorobenzene	0.13	U	1.0	0.13
107-06-2	1,2-Dichloroethane	0.22	U	1.0	0.22
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	0.14	U	1.0	0.14
142-28-9	1,3-Dichloropropane	0.16	U	1.0	0.16
106-46-7	1,4-Dichlorobenzene	0.13	U	1.0	0.13
594-20-7	2,2-Dichloropropane	0.13	U	1.0	0.13
110-75-8	2-Chloroethyl vinyl ether	0.99	U	10	0.99
95-49-8	2-Chlorotoluene	0.11	U	1.0	0.11
591-78-6	2-Hexanone	0.41	U	10	0.41
108-86-1	Bromobenzene	0.13	U	1.0	0.13
74-97-5	Bromochloromethane	0.29	U	1.0	0.29
106-43-4	4-Chlorotoluene	0.18	U	1.0	0.18
99-87-6	4-Isopropyltoluene	0.12	U	1.0	0.12
67-64-1	Acetone	3.9	J	10	1.1
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.64	U	1.0	0.64
74-83-9	Bromomethane	0.41	U	1.0	0.41
75-15-0	Carbon disulfide	0.13	U	1.0	0.13
56-23-5	Carbon tetrachloride	0.13	U	1.0	0.13
108-90-7	Chlorobenzene	0.15	U	1.0	0.15
75-00-3	Chloroethane	0.29	U	1.0	0.29
67-66-3	Chloroform	0.41	J	1.0	0.16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1
 SDG No.: _____
 Client Sample ID: MRC-E-SB-1362-20 Lab Sample ID: 240-36327-2
 Matrix: Water Lab File ID: UXJ7665.D
 Analysis Method: 8260B Date Collected: 04/17/2014 15:20
 Sample wt/vol: 5 (mL) Date Analyzed: 04/23/2014 13:16
 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.: 127544 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.30	U	1.0	0.30
156-59-2	cis-1,2-Dichloroethene	0.39	J	1.0	0.17
10061-01-5	cis-1,3-Dichloropropene	0.14	U	1.0	0.14
87-68-3	Hexachlorobutadiene	0.30	U	1.0	0.30
74-95-3	Dibromomethane	0.28	U	1.0	0.28
75-27-4	Bromodichloromethane	0.15	U	1.0	0.15
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.17	U	1.0	0.17
106-93-4	1,2-Dibromoethane	0.24	U	1.0	0.24
108-20-3	Diisopropyl ether	1.5	U	10	1.5
91-20-3	Naphthalene	0.24	U	1.0	0.24
179601-23-1	m-Xylene & p-Xylene	0.24	U	2.0	0.24
104-51-8	n-Butylbenzene	0.12	U	1.0	0.12
98-82-8	Isopropylbenzene	0.13	U	1.0	0.13
103-65-1	N-Propylbenzene	0.14	U	1.0	0.14
78-93-3	2-Butanone (MEK)	1.2	J	10	0.57
108-10-1	4-Methyl-2-pentanone (MIBK)	0.32	U	10	0.32
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.17	U	1.0	0.17
994-05-8	Tert-amyl methyl ether	0.067	U	5.0	0.067
75-09-2	Methylene Chloride	0.33	U	1.0	0.33
95-47-6	o-Xylene	0.14	U	1.0	0.14
100-42-5	Styrene	0.11	U	1.0	0.11
637-92-3	Ethyl-t-butyl ether (ETBE)	0.11	U	5.0	0.11
98-06-6	tert-Butylbenzene	0.13	U	1.0	0.13
127-18-4	Tetrachloroethene	0.29	U	1.0	0.29
108-88-3	Toluene	0.13	U	1.0	0.13
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	7.7		1.0	0.17
75-69-4	Trichlorofluoromethane	0.21	U	1.0	0.21
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.22	U	1.0	0.22
75-65-0	tert-Butyl alcohol	3.9	U	50	3.9
1330-20-7	Xylenes, Total	0.14	U	2.0	0.14
124-48-1	Chlorodibromomethane	0.18	U	1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1362-20 Lab Sample ID: 240-36327-2
Matrix: Water Lab File ID: UXJ7665.D
Analysis Method: 8260B Date Collected: 04/17/2014 15:20
Sample wt/vol: 5 (mL) Date Analyzed: 04/23/2014 13:16
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.: 127544 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		63-129
460-00-4	4-Bromofluorobenzene (Surr)	85		66-120
2037-26-5	Toluene-d8 (Surr)	89		74-120
1868-53-7	Dibromofluoromethane (Surr)	86		75-121

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

Lab Name: TestAmerica Canton Job No.: 240-36327-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1362-20 Lab Sample ID: 240-36327-2
Matrix: Water Lab File ID: UXJ7665.D
Analysis Method: 8260B Date Collected: 04/17/2014 15:20
Sample wt/vol: 5(mL) Date Analyzed: 04/23/2014 13:16
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.: 127544 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

Lab Name: TestAmerica Canton Job No.: 240-36327-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1362-24 Lab Sample ID: 240-36327-3

Matrix: Water Lab File ID: UXJ7666.D

Analysis Method: 8260B Date Collected: 04/17/2014 15:55

Sample wt/vol: 5 (mL) Date Analyzed: 04/23/2014 13:40

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 127544 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.23	U	1.0	0.23
71-55-6	1,1,1-Trichloroethane	0.22	U	1.0	0.22
79-34-5	1,1,2,2-Tetrachloroethane	0.18	U	1.0	0.18
76-13-1	1,1,2-Trichlorotrifluoroethane	0.28	U	1.0	0.28
75-34-3	1,1-Dichloroethane	0.15	U	1.0	0.15
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.13	U	1.0	0.13
87-61-6	1,2,3-Trichlorobenzene	0.17	U	1.0	0.17
96-18-4	1,2,3-Trichloropropane	0.43	U	1.0	0.43
526-73-8	1,2,3-Trimethylbenzene	0.0059	U	5.0	0.0059
120-82-1	1,2,4-Trichlorobenzene	0.15	U	1.0	0.15
95-63-6	1,2,4-Trimethylbenzene	0.12	U	1.0	0.12
96-12-8	1,2-Dibromo-3-Chloropropane	0.67	U	2.0	0.67
95-50-1	1,2-Dichlorobenzene	0.13	U	1.0	0.13
107-06-2	1,2-Dichloroethane	0.22	U	1.0	0.22
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	0.14	U	1.0	0.14
142-28-9	1,3-Dichloropropane	0.16	U	1.0	0.16
106-46-7	1,4-Dichlorobenzene	0.13	U	1.0	0.13
594-20-7	2,2-Dichloropropane	0.13	U	1.0	0.13
110-75-8	2-Chloroethyl vinyl ether	0.99	U	10	0.99
95-49-8	2-Chlorotoluene	0.11	U	1.0	0.11
591-78-6	2-Hexanone	0.41	U	10	0.41
108-86-1	Bromobenzene	0.13	U	1.0	0.13
74-97-5	Bromochloromethane	0.29	U	1.0	0.29
106-43-4	4-Chlorotoluene	0.18	U	1.0	0.18
99-87-6	4-Isopropyltoluene	0.12	U	1.0	0.12
67-64-1	Acetone	2.2	J	10	1.1
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.64	U	1.0	0.64
74-83-9	Bromomethane	0.41	U	1.0	0.41
75-15-0	Carbon disulfide	0.13	U	1.0	0.13
56-23-5	Carbon tetrachloride	0.13	U	1.0	0.13
108-90-7	Chlorobenzene	0.15	U	1.0	0.15
75-00-3	Chloroethane	0.29	U	1.0	0.29
67-66-3	Chloroform	0.18	J	1.0	0.16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1362-24 Lab Sample ID: 240-36327-3

Matrix: Water Lab File ID: UXJ7666.D

Analysis Method: 8260B Date Collected: 04/17/2014 15:55

Sample wt/vol: 5 (mL) Date Analyzed: 04/23/2014 13:40

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 127544 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.30	U	1.0	0.30
156-59-2	cis-1,2-Dichloroethene	0.17	U	1.0	0.17
10061-01-5	cis-1,3-Dichloropropene	0.14	U	1.0	0.14
87-68-3	Hexachlorobutadiene	0.30	U	1.0	0.30
74-95-3	Dibromomethane	0.28	U	1.0	0.28
75-27-4	Bromodichloromethane	0.15	U	1.0	0.15
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.17	U	1.0	0.17
106-93-4	1,2-Dibromoethane	0.24	U	1.0	0.24
108-20-3	Diisopropyl ether	1.5	U	10	1.5
91-20-3	Naphthalene	0.24	U	1.0	0.24
179601-23-1	m-Xylene & p-Xylene	0.24	U	2.0	0.24
104-51-8	n-Butylbenzene	0.12	U	1.0	0.12
98-82-8	Isopropylbenzene	0.13	U	1.0	0.13
103-65-1	N-Propylbenzene	0.14	U	1.0	0.14
78-93-3	2-Butanone (MEK)	0.57	U	10	0.57
108-10-1	4-Methyl-2-pentanone (MIBK)	0.32	U	10	0.32
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.17	U	1.0	0.17
994-05-8	Tert-amyl methyl ether	0.067	U	5.0	0.067
75-09-2	Methylene Chloride	0.33	U	1.0	0.33
95-47-6	o-Xylene	0.14	U	1.0	0.14
100-42-5	Styrene	0.11	U	1.0	0.11
637-92-3	Ethyl-t-butyl ether (ETBE)	0.11	U	5.0	0.11
98-06-6	tert-Butylbenzene	0.13	U	1.0	0.13
127-18-4	Tetrachloroethene	0.29	U	1.0	0.29
108-88-3	Toluene	0.13	U	1.0	0.13
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	0.56	J	1.0	0.17
75-69-4	Trichlorofluoromethane	0.21	U	1.0	0.21
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.22	U	1.0	0.22
75-65-0	tert-Butyl alcohol	3.9	U	50	3.9
1330-20-7	Xylenes, Total	0.14	U	2.0	0.14
124-48-1	Chlorodibromomethane	0.18	U	1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1362-24 Lab Sample ID: 240-36327-3
Matrix: Water Lab File ID: UXJ7666.D
Analysis Method: 8260B Date Collected: 04/17/2014 15:55
Sample wt/vol: 5 (mL) Date Analyzed: 04/23/2014 13:40
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 127544 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		63-129
460-00-4	4-Bromofluorobenzene (Surr)	82		66-120
2037-26-5	Toluene-d8 (Surr)	89		74-120
1868-53-7	Dibromofluoromethane (Surr)	85		75-121

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

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-36327-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-E-SB-1362-24</u>	Lab Sample ID: <u>240-36327-3</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXJ7666.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>04/17/2014 15:55</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>04/23/2014 13:40</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18(mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>127544</u>	Units: <u>ug/L</u>
Number TICs Found: <u>0</u>	TIC Result Total: <u>0</u>

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-36327-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-E-SB-1362-28</u>	Lab Sample ID: <u>240-36327-4</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXJ7667.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>04/18/2014 08:35</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>04/23/2014 14:03</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18(mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>127544</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.23	U	1.0	0.23
71-55-6	1,1,1-Trichloroethane	0.22	U	1.0	0.22
79-34-5	1,1,2,2-Tetrachloroethane	0.18	U	1.0	0.18
76-13-1	1,1,2-Trichlorotrifluoroethane	0.28	U	1.0	0.28
75-34-3	1,1-Dichloroethane	0.15	U	1.0	0.15
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.13	U	1.0	0.13
87-61-6	1,2,3-Trichlorobenzene	0.17	U	1.0	0.17
96-18-4	1,2,3-Trichloropropane	0.43	U	1.0	0.43
526-73-8	1,2,3-Trimethylbenzene	0.0059	U	5.0	0.0059
120-82-1	1,2,4-Trichlorobenzene	0.15	U	1.0	0.15
95-63-6	1,2,4-Trimethylbenzene	0.12	U	1.0	0.12
96-12-8	1,2-Dibromo-3-Chloropropane	0.67	U	2.0	0.67
95-50-1	1,2-Dichlorobenzene	0.13	U	1.0	0.13
107-06-2	1,2-Dichloroethane	0.22	U	1.0	0.22
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	0.14	U	1.0	0.14
142-28-9	1,3-Dichloropropane	0.16	U	1.0	0.16
106-46-7	1,4-Dichlorobenzene	0.13	U	1.0	0.13
594-20-7	2,2-Dichloropropane	0.13	U	1.0	0.13
110-75-8	2-Chloroethyl vinyl ether	0.99	U	10	0.99
95-49-8	2-Chlorotoluene	0.11	U	1.0	0.11
591-78-6	2-Hexanone	0.41	U	10	0.41
108-86-1	Bromobenzene	0.13	U	1.0	0.13
74-97-5	Bromochloromethane	0.29	U	1.0	0.29
106-43-4	4-Chlorotoluene	0.18	U	1.0	0.18
99-87-6	4-Isopropyltoluene	0.12	U	1.0	0.12
67-64-1	Acetone	2.8	J	10	1.1
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.64	U	1.0	0.64
74-83-9	Bromomethane	0.41	U	1.0	0.41
75-15-0	Carbon disulfide	0.62	J	1.0	0.13
56-23-5	Carbon tetrachloride	0.13	U	1.0	0.13
108-90-7	Chlorobenzene	0.15	U	1.0	0.15
75-00-3	Chloroethane	0.29	U	1.0	0.29
67-66-3	Chloroform	0.68	J	1.0	0.16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1362-28 Lab Sample ID: 240-36327-4

Matrix: Water Lab File ID: UXJ7667.D

Analysis Method: 8260B Date Collected: 04/18/2014 08:35

Sample wt/vol: 5 (mL) Date Analyzed: 04/23/2014 14:03

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 127544 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.30	U	1.0	0.30
156-59-2	cis-1,2-Dichloroethene	1.7		1.0	0.17
10061-01-5	cis-1,3-Dichloropropene	0.14	U	1.0	0.14
87-68-3	Hexachlorobutadiene	0.30	U	1.0	0.30
74-95-3	Dibromomethane	0.28	U	1.0	0.28
75-27-4	Bromodichloromethane	0.15	U	1.0	0.15
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.17	U	1.0	0.17
106-93-4	1,2-Dibromoethane	0.24	U	1.0	0.24
108-20-3	Diisopropyl ether	1.5	U	10	1.5
91-20-3	Naphthalene	0.24	U	1.0	0.24
179601-23-1	m-Xylene & p-Xylene	0.24	U	2.0	0.24
104-51-8	n-Butylbenzene	0.12	U	1.0	0.12
98-82-8	Isopropylbenzene	0.13	U	1.0	0.13
103-65-1	N-Propylbenzene	0.14	U	1.0	0.14
78-93-3	2-Butanone (MEK)	0.57	U	10	0.57
108-10-1	4-Methyl-2-pentanone (MIBK)	0.32	U	10	0.32
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	1.7		1.0	0.17
994-05-8	Tert-amyl methyl ether	0.067	U	5.0	0.067
75-09-2	Methylene Chloride	0.33	U	1.0	0.33
95-47-6	o-Xylene	0.14	U	1.0	0.14
100-42-5	Styrene	0.11	U	1.0	0.11
637-92-3	Ethyl-t-butyl ether (ETBE)	0.11	U	5.0	0.11
98-06-6	tert-Butylbenzene	0.13	U	1.0	0.13
127-18-4	Tetrachloroethene	0.29	U	1.0	0.29
108-88-3	Toluene	0.13	U	1.0	0.13
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	1.9		1.0	0.17
75-69-4	Trichlorofluoromethane	0.21	U	1.0	0.21
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.22	U	1.0	0.22
75-65-0	tert-Butyl alcohol	3.9	U	50	3.9
1330-20-7	Xylenes, Total	0.14	U	2.0	0.14
124-48-1	Chlorodibromomethane	0.18	U	1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1362-28 Lab Sample ID: 240-36327-4
Matrix: Water Lab File ID: UXJ7667.D
Analysis Method: 8260B Date Collected: 04/18/2014 08:35
Sample wt/vol: 5 (mL) Date Analyzed: 04/23/2014 14:03
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 127544 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		63-129
460-00-4	4-Bromofluorobenzene (Surr)	87		66-120
2037-26-5	Toluene-d8 (Surr)	85		74-120
1868-53-7	Dibromofluoromethane (Surr)	86		75-121

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

Lab Name: TestAmerica Canton Job No.: 240-36327-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1362-28 Lab Sample ID: 240-36327-4
Matrix: Water Lab File ID: UXJ7667.D
Analysis Method: 8260B Date Collected: 04/18/2014 08:35
Sample wt/vol: 5 (mL) Date Analyzed: 04/23/2014 14:03
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 127544 Units: ug/L
Number TICs Found: 1 TIC Result Total: 1.7

CAS NO.	COMPOUND NAME	RT	RESULT	Q
115-11-7	1-Propene, 2-methyl-	1.92	1.7	T J N

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1363-12 Lab Sample ID: 240-36327-5

Matrix: Water Lab File ID: UXJ7668.D

Analysis Method: 8260B Date Collected: 04/18/2014 09:30

Sample wt/vol: 5(mL) Date Analyzed: 04/23/2014 14:27

Soil Aliquot Vol: _____ Dilution Factor: 25

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

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

Analysis Batch No.: 127544 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.8	U	25	5.8
71-55-6	1,1,1-Trichloroethane	5.5	U	25	5.5
79-34-5	1,1,2,2-Tetrachloroethane	4.5	U	25	4.5
76-13-1	1,1,2-Trichlorotrifluoroethane	7.0	U	25	7.0
75-34-3	1,1-Dichloroethane	3.8	U	25	3.8
75-35-4	1,1-Dichloroethene	4.8	U	25	4.8
563-58-6	1,1-Dichloropropene	3.3	U	25	3.3
87-61-6	1,2,3-Trichlorobenzene	4.3	U	25	4.3
96-18-4	1,2,3-Trichloropropane	11	U	25	11
526-73-8	1,2,3-Trimethylbenzene	0.15	U	130	0.15
120-82-1	1,2,4-Trichlorobenzene	3.8	U	25	3.8
95-63-6	1,2,4-Trimethylbenzene	3.0	U	25	3.0
96-12-8	1,2-Dibromo-3-Chloropropane	17	U	50	17
95-50-1	1,2-Dichlorobenzene	3.3	U	25	3.3
107-06-2	1,2-Dichloroethane	5.5	U	25	5.5
78-87-5	1,2-Dichloropropane	4.5	U	25	4.5
541-73-1	1,3-Dichlorobenzene	3.5	U	25	3.5
142-28-9	1,3-Dichloropropane	4.0	U	25	4.0
106-46-7	1,4-Dichlorobenzene	3.3	U	25	3.3
594-20-7	2,2-Dichloropropane	3.3	U	25	3.3
110-75-8	2-Chloroethyl vinyl ether	25	U	250	25
95-49-8	2-Chlorotoluene	2.8	U	25	2.8
591-78-6	2-Hexanone	10	U	250	10
108-86-1	Bromobenzene	3.3	U	25	3.3
74-97-5	Bromochloromethane	7.3	U	25	7.3
106-43-4	4-Chlorotoluene	4.5	U	25	4.5
99-87-6	4-Isopropyltoluene	3.0	U	25	3.0
67-64-1	Acetone	28	U	250	28
71-43-2	Benzene	3.3	U	25	3.3
75-25-2	Bromoform	16	U	25	16
74-83-9	Bromomethane	10	U	25	10
75-15-0	Carbon disulfide	3.3	U	25	3.3
56-23-5	Carbon tetrachloride	3.3	U	25	3.3
108-90-7	Chlorobenzene	3.8	U	25	3.8
75-00-3	Chloroethane	7.3	U	25	7.3
67-66-3	Chloroform	4.0	U	25	4.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1363-12 Lab Sample ID: 240-36327-5

Matrix: Water Lab File ID: UXJ7668.D

Analysis Method: 8260B Date Collected: 04/18/2014 09:30

Sample wt/vol: 5(mL) Date Analyzed: 04/23/2014 14:27

Soil Aliquot Vol: _____ Dilution Factor: 25

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

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

Analysis Batch No.: 127544 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	7.5	U	25	7.5
156-59-2	cis-1,2-Dichloroethene	28		25	4.3
10061-01-5	cis-1,3-Dichloropropene	3.5	U	25	3.5
87-68-3	Hexachlorobutadiene	7.5	U	25	7.5
74-95-3	Dibromomethane	7.0	U	25	7.0
75-27-4	Bromodichloromethane	3.8	U	25	3.8
75-71-8	Dichlorodifluoromethane	7.8	U	25	7.8
100-41-4	Ethylbenzene	4.3	U	25	4.3
106-93-4	1,2-Dibromoethane	6.0	U	25	6.0
108-20-3	Diisopropyl ether	38	U	250	38
91-20-3	Naphthalene	6.0	U	25	6.0
179601-23-1	m-Xylene & p-Xylene	6.0	U	50	6.0
104-51-8	n-Butylbenzene	3.0	U	25	3.0
98-82-8	Isopropylbenzene	3.3	U	25	3.3
103-65-1	N-Propylbenzene	3.5	U	25	3.5
78-93-3	2-Butanone (MEK)	14	U	250	14
108-10-1	4-Methyl-2-pentanone (MIBK)	8.0	U	250	8.0
135-98-8	sec-Butylbenzene	3.3	U	25	3.3
1634-04-4	Methyl tert-butyl ether	4.3	U	25	4.3
994-05-8	Tert-amyl methyl ether	1.7	U	130	1.7
75-09-2	Methylene Chloride	8.3	U	25	8.3
95-47-6	o-Xylene	3.5	U	25	3.5
100-42-5	Styrene	2.8	U	25	2.8
637-92-3	Ethyl-t-butyl ether (ETBE)	2.8	U	130	2.8
98-06-6	tert-Butylbenzene	3.3	U	25	3.3
127-18-4	Tetrachloroethene	7.3	U	25	7.3
108-88-3	Toluene	3.3	U	25	3.3
156-60-5	trans-1,2-Dichloroethene	4.8	U	25	4.8
10061-02-6	trans-1,3-Dichloropropene	4.8	U	25	4.8
79-01-6	Trichloroethene	630		25	4.3
75-69-4	Trichlorofluoromethane	5.3	U	25	5.3
108-05-4	Vinyl acetate	4.8	U	50	4.8
75-01-4	Vinyl chloride	11	J	25	5.5
75-65-0	tert-Butyl alcohol	98	U	1300	98
1330-20-7	Xylenes, Total	3.5	U	50	3.5
124-48-1	Chlorodibromomethane	4.5	U	25	4.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1363-12 Lab Sample ID: 240-36327-5
Matrix: Water Lab File ID: UXJ7668.D
Analysis Method: 8260B Date Collected: 04/18/2014 09:30
Sample wt/vol: 5 (mL) Date Analyzed: 04/23/2014 14:27
Soil Aliquot Vol: _____ Dilution Factor: 25
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 127544 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		63-129
460-00-4	4-Bromofluorobenzene (Surr)	81		66-120
2037-26-5	Toluene-d8 (Surr)	88		74-120
1868-53-7	Dibromofluoromethane (Surr)	85		75-121

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

Lab Name: TestAmerica Canton Job No.: 240-36327-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1363-12 Lab Sample ID: 240-36327-5
Matrix: Water Lab File ID: UXJ7668.D
Analysis Method: 8260B Date Collected: 04/18/2014 09:30
Sample wt/vol: 5 (mL) Date Analyzed: 04/23/2014 14:27
Soil Aliquot Vol: _____ Dilution Factor: 25
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 127544 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

Lab Name: TestAmerica Canton Job No.: 240-36327-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1363-16 Lab Sample ID: 240-36327-6

Matrix: Water Lab File ID: UXJ7669.D

Analysis Method: 8260B Date Collected: 04/18/2014 09:45

Sample wt/vol: 5(mL) Date Analyzed: 04/23/2014 14:50

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 127544 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.23	U	1.0	0.23
71-55-6	1,1,1-Trichloroethane	0.22	U	1.0	0.22
79-34-5	1,1,2,2-Tetrachloroethane	0.18	U	1.0	0.18
76-13-1	1,1,2-Trichlorotrifluoroethane	0.28	U	1.0	0.28
75-34-3	1,1-Dichloroethane	0.15	U	1.0	0.15
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.13	U	1.0	0.13
87-61-6	1,2,3-Trichlorobenzene	0.17	U	1.0	0.17
96-18-4	1,2,3-Trichloropropane	0.43	U	1.0	0.43
526-73-8	1,2,3-Trimethylbenzene	0.0059	U	5.0	0.0059
120-82-1	1,2,4-Trichlorobenzene	0.15	U	1.0	0.15
95-63-6	1,2,4-Trimethylbenzene	0.12	U	1.0	0.12
96-12-8	1,2-Dibromo-3-Chloropropane	0.67	U	2.0	0.67
95-50-1	1,2-Dichlorobenzene	0.13	U	1.0	0.13
107-06-2	1,2-Dichloroethane	0.22	U	1.0	0.22
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	0.14	U	1.0	0.14
142-28-9	1,3-Dichloropropane	0.16	U	1.0	0.16
106-46-7	1,4-Dichlorobenzene	0.13	U	1.0	0.13
594-20-7	2,2-Dichloropropane	0.13	U	1.0	0.13
110-75-8	2-Chloroethyl vinyl ether	0.99	U	10	0.99
95-49-8	2-Chlorotoluene	0.11	U	1.0	0.11
591-78-6	2-Hexanone	0.41	U	10	0.41
108-86-1	Bromobenzene	0.13	U	1.0	0.13
74-97-5	Bromochloromethane	0.29	U	1.0	0.29
106-43-4	4-Chlorotoluene	0.18	U	1.0	0.18
99-87-6	4-Isopropyltoluene	0.12	U	1.0	0.12
67-64-1	Acetone	1.1	U	10	1.1
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.64	U	1.0	0.64
74-83-9	Bromomethane	0.41	U	1.0	0.41
75-15-0	Carbon disulfide	0.13	U	1.0	0.13
56-23-5	Carbon tetrachloride	0.13	U	1.0	0.13
108-90-7	Chlorobenzene	0.15	U	1.0	0.15
75-00-3	Chloroethane	0.29	U	1.0	0.29
67-66-3	Chloroform	0.16	U	1.0	0.16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1363-16 Lab Sample ID: 240-36327-6

Matrix: Water Lab File ID: UXJ7669.D

Analysis Method: 8260B Date Collected: 04/18/2014 09:45

Sample wt/vol: 5(mL) Date Analyzed: 04/23/2014 14:50

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 127544 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.30	U	1.0	0.30
156-59-2	cis-1,2-Dichloroethene	0.23	J	1.0	0.17
10061-01-5	cis-1,3-Dichloropropene	0.14	U	1.0	0.14
87-68-3	Hexachlorobutadiene	0.30	U	1.0	0.30
74-95-3	Dibromomethane	0.28	U	1.0	0.28
75-27-4	Bromodichloromethane	0.15	U	1.0	0.15
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.17	U	1.0	0.17
106-93-4	1,2-Dibromoethane	0.24	U	1.0	0.24
108-20-3	Diisopropyl ether	1.5	U	10	1.5
91-20-3	Naphthalene	0.24	U	1.0	0.24
179601-23-1	m-Xylene & p-Xylene	0.24	U	2.0	0.24
104-51-8	n-Butylbenzene	0.12	U	1.0	0.12
98-82-8	Isopropylbenzene	0.13	U	1.0	0.13
103-65-1	N-Propylbenzene	0.14	U	1.0	0.14
78-93-3	2-Butanone (MEK)	0.57	U	10	0.57
108-10-1	4-Methyl-2-pentanone (MIBK)	0.32	U	10	0.32
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.17	U	1.0	0.17
994-05-8	Tert-amyl methyl ether	0.067	U	5.0	0.067
75-09-2	Methylene Chloride	0.33	U	1.0	0.33
95-47-6	o-Xylene	0.14	U	1.0	0.14
100-42-5	Styrene	0.11	U	1.0	0.11
637-92-3	Ethyl-t-butyl ether (ETBE)	0.11	U	5.0	0.11
98-06-6	tert-Butylbenzene	0.13	U	1.0	0.13
127-18-4	Tetrachloroethene	0.29	U	1.0	0.29
108-88-3	Toluene	0.13	U	1.0	0.13
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	9.7		1.0	0.17
75-69-4	Trichlorofluoromethane	0.21	U	1.0	0.21
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.22	U	1.0	0.22
75-65-0	tert-Butyl alcohol	3.9	U	50	3.9
1330-20-7	Xylenes, Total	0.14	U	2.0	0.14
124-48-1	Chlorodibromomethane	0.18	U	1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1363-16 Lab Sample ID: 240-36327-6
Matrix: Water Lab File ID: UXJ7669.D
Analysis Method: 8260B Date Collected: 04/18/2014 09:45
Sample wt/vol: 5(mL) Date Analyzed: 04/23/2014 14:50
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 127544 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		63-129
460-00-4	4-Bromofluorobenzene (Surr)	79		66-120
2037-26-5	Toluene-d8 (Surr)	89		74-120
1868-53-7	Dibromofluoromethane (Surr)	85		75-121

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

Lab Name: TestAmerica Canton Job No.: 240-36327-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1363-16 Lab Sample ID: 240-36327-6
Matrix: Water Lab File ID: UXJ7669.D
Analysis Method: 8260B Date Collected: 04/18/2014 09:45
Sample wt/vol: 5 (mL) Date Analyzed: 04/23/2014 14:50
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 127544 Units: ug/L
Number TICs Found: 1 TIC Result Total: 1.4

CAS NO.	COMPOUND NAME	RT	RESULT	Q
1066-40-6	Silanol, trimethyl-	4.31	1.4	T J N

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1363-20 Lab Sample ID: 240-36327-7

Matrix: Water Lab File ID: UXJ7670.D

Analysis Method: 8260B Date Collected: 04/18/2014 10:10

Sample wt/vol: 5(mL) Date Analyzed: 04/23/2014 15:13

Soil Aliquot Vol: _____ Dilution Factor: 6.67

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

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

Analysis Batch No.: 127544 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.5	U	6.7	1.5
71-55-6	1,1,1-Trichloroethane	1.5	U	6.7	1.5
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	6.7	1.2
76-13-1	1,1,2-Trichlorotrifluoroethane	1.9	U	6.7	1.9
75-34-3	1,1-Dichloroethane	1.0	U	6.7	1.0
75-35-4	1,1-Dichloroethene	1.3	U	6.7	1.3
563-58-6	1,1-Dichloropropene	0.87	U	6.7	0.87
87-61-6	1,2,3-Trichlorobenzene	1.1	U	6.7	1.1
96-18-4	1,2,3-Trichloropropane	2.9	U	6.7	2.9
526-73-8	1,2,3-Trimethylbenzene	0.039	U	33	0.039
120-82-1	1,2,4-Trichlorobenzene	1.0	U	6.7	1.0
95-63-6	1,2,4-Trimethylbenzene	0.80	U	6.7	0.80
96-12-8	1,2-Dibromo-3-Chloropropane	4.5	U	13	4.5
95-50-1	1,2-Dichlorobenzene	0.87	U	6.7	0.87
107-06-2	1,2-Dichloroethane	1.5	U	6.7	1.5
78-87-5	1,2-Dichloropropane	1.2	U	6.7	1.2
541-73-1	1,3-Dichlorobenzene	0.93	U	6.7	0.93
142-28-9	1,3-Dichloropropane	1.1	U	6.7	1.1
106-46-7	1,4-Dichlorobenzene	0.87	U	6.7	0.87
594-20-7	2,2-Dichloropropane	0.87	U	6.7	0.87
110-75-8	2-Chloroethyl vinyl ether	6.6	U	67	6.6
95-49-8	2-Chlorotoluene	0.73	U	6.7	0.73
591-78-6	2-Hexanone	2.7	U	67	2.7
108-86-1	Bromobenzene	0.87	U	6.7	0.87
74-97-5	Bromochloromethane	1.9	U	6.7	1.9
106-43-4	4-Chlorotoluene	1.2	U	6.7	1.2
99-87-6	4-Isopropyltoluene	0.80	U	6.7	0.80
67-64-1	Acetone	7.3	U	67	7.3
71-43-2	Benzene	0.87	U	6.7	0.87
75-25-2	Bromoform	4.3	U	6.7	4.3
74-83-9	Bromomethane	2.7	U	6.7	2.7
75-15-0	Carbon disulfide	0.87	U	6.7	0.87
56-23-5	Carbon tetrachloride	0.87	U	6.7	0.87
108-90-7	Chlorobenzene	1.0	U	6.7	1.0
75-00-3	Chloroethane	1.9	U	6.7	1.9
67-66-3	Chloroform	1.1	U	6.7	1.1

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-36327-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-E-SB-1363-20</u>	Lab Sample ID: <u>240-36327-7</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXJ7670.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>04/18/2014 10:10</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>04/23/2014 15:13</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>6.67</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18(mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>127544</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	2.0	U	6.7	2.0
156-59-2	cis-1,2-Dichloroethene	1.1	U	6.7	1.1
10061-01-5	cis-1,3-Dichloropropene	0.93	U	6.7	0.93
87-68-3	Hexachlorobutadiene	2.0	U	6.7	2.0
74-95-3	Dibromomethane	1.9	U	6.7	1.9
75-27-4	Bromodichloromethane	1.0	U	6.7	1.0
75-71-8	Dichlorodifluoromethane	2.1	U	6.7	2.1
100-41-4	Ethylbenzene	1.1	U	6.7	1.1
106-93-4	1,2-Dibromoethane	1.6	U	6.7	1.6
108-20-3	Diisopropyl ether	10	U	67	10
91-20-3	Naphthalene	1.6	U	6.7	1.6
179601-23-1	m-Xylene & p-Xylene	1.6	U	13	1.6
104-51-8	n-Butylbenzene	0.80	U	6.7	0.80
98-82-8	Isopropylbenzene	0.87	U	6.7	0.87
103-65-1	N-Propylbenzene	0.93	U	6.7	0.93
78-93-3	2-Butanone (MEK)	3.8	U	67	3.8
108-10-1	4-Methyl-2-pentanone (MIBK)	2.1	U	67	2.1
135-98-8	sec-Butylbenzene	0.87	U	6.7	0.87
1634-04-4	Methyl tert-butyl ether	1.1	U	6.7	1.1
994-05-8	Tert-amyl methyl ether	0.45	U	33	0.45
75-09-2	Methylene Chloride	2.2	U	6.7	2.2
95-47-6	o-Xylene	0.93	U	6.7	0.93
100-42-5	Styrene	0.73	U	6.7	0.73
637-92-3	Ethyl-t-butyl ether (ETBE)	0.73	U	33	0.73
98-06-6	tert-Butylbenzene	0.87	U	6.7	0.87
127-18-4	Tetrachloroethene	1.9	U	6.7	1.9
108-88-3	Toluene	0.87	U	6.7	0.87
156-60-5	trans-1,2-Dichloroethene	1.3	U	6.7	1.3
10061-02-6	trans-1,3-Dichloropropene	1.3	U	6.7	1.3
79-01-6	Trichloroethene	160		6.7	1.1
75-69-4	Trichlorofluoromethane	1.4	U	6.7	1.4
108-05-4	Vinyl acetate	1.3	U	13	1.3
75-01-4	Vinyl chloride	1.5	U	6.7	1.5
75-65-0	tert-Butyl alcohol	26	U	330	26
1330-20-7	Xylenes, Total	0.93	U	13	0.93
124-48-1	Chlorodibromomethane	1.2	U	6.7	1.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1363-20 Lab Sample ID: 240-36327-7
Matrix: Water Lab File ID: UXJ7670.D
Analysis Method: 8260B Date Collected: 04/18/2014 10:10
Sample wt/vol: 5(mL) Date Analyzed: 04/23/2014 15:13
Soil Aliquot Vol: _____ Dilution Factor: 6.67
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 127544 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		63-129
460-00-4	4-Bromofluorobenzene (Surr)	85		66-120
2037-26-5	Toluene-d8 (Surr)	91		74-120
1868-53-7	Dibromofluoromethane (Surr)	86		75-121

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

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-36327-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-E-SB-1363-20</u>	Lab Sample ID: <u>240-36327-7</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXJ7670.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>04/18/2014 10:10</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>04/23/2014 15:13</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>6.67</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18(mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>127544</u>	Units: <u>ug/L</u>
Number TICs Found: <u>0</u>	TIC Result Total: <u>0</u>

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1363-24 Lab Sample ID: 240-36327-8

Matrix: Water Lab File ID: UXJ7671.D

Analysis Method: 8260B Date Collected: 04/18/2014 10:35

Sample wt/vol: 5(mL) Date Analyzed: 04/23/2014 15:37

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.: 127544 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.23	U	1.0	0.23
71-55-6	1,1,1-Trichloroethane	0.22	U	1.0	0.22
79-34-5	1,1,2,2-Tetrachloroethane	0.18	U	1.0	0.18
76-13-1	1,1,2-Trichlorotrifluoroethane	0.28	U	1.0	0.28
75-34-3	1,1-Dichloroethane	0.15	U	1.0	0.15
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.13	U	1.0	0.13
87-61-6	1,2,3-Trichlorobenzene	0.17	U	1.0	0.17
96-18-4	1,2,3-Trichloropropane	0.43	U	1.0	0.43
526-73-8	1,2,3-Trimethylbenzene	0.0059	U	5.0	0.0059
120-82-1	1,2,4-Trichlorobenzene	0.15	U	1.0	0.15
95-63-6	1,2,4-Trimethylbenzene	0.12	U	1.0	0.12
96-12-8	1,2-Dibromo-3-Chloropropane	0.67	U	2.0	0.67
95-50-1	1,2-Dichlorobenzene	0.13	U	1.0	0.13
107-06-2	1,2-Dichloroethane	0.22	U	1.0	0.22
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	0.14	U	1.0	0.14
142-28-9	1,3-Dichloropropane	0.16	U	1.0	0.16
106-46-7	1,4-Dichlorobenzene	0.13	U	1.0	0.13
594-20-7	2,2-Dichloropropane	0.13	U	1.0	0.13
110-75-8	2-Chloroethyl vinyl ether	0.99	U	10	0.99
95-49-8	2-Chlorotoluene	0.11	U	1.0	0.11
591-78-6	2-Hexanone	0.41	U	10	0.41
108-86-1	Bromobenzene	0.13	U	1.0	0.13
74-97-5	Bromochloromethane	0.29	U	1.0	0.29
106-43-4	4-Chlorotoluene	0.18	U	1.0	0.18
99-87-6	4-Isopropyltoluene	0.12	U	1.0	0.12
67-64-1	Acetone	1.1	U	10	1.1
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.64	U	1.0	0.64
74-83-9	Bromomethane	0.41	U	1.0	0.41
75-15-0	Carbon disulfide	0.13	U	1.0	0.13
56-23-5	Carbon tetrachloride	0.37	J	1.0	0.13
108-90-7	Chlorobenzene	0.15	U	1.0	0.15
75-00-3	Chloroethane	0.29	U	1.0	0.29
67-66-3	Chloroform	0.33	J	1.0	0.16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1363-24 Lab Sample ID: 240-36327-8

Matrix: Water Lab File ID: UXJ7671.D

Analysis Method: 8260B Date Collected: 04/18/2014 10:35

Sample wt/vol: 5(mL) Date Analyzed: 04/23/2014 15:37

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.: 127544 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.30	U	1.0	0.30
156-59-2	cis-1,2-Dichloroethene	0.17	U	1.0	0.17
10061-01-5	cis-1,3-Dichloropropene	0.14	U	1.0	0.14
87-68-3	Hexachlorobutadiene	0.30	U	1.0	0.30
74-95-3	Dibromomethane	0.28	U	1.0	0.28
75-27-4	Bromodichloromethane	0.15	U	1.0	0.15
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.17	U	1.0	0.17
106-93-4	1,2-Dibromoethane	0.24	U	1.0	0.24
108-20-3	Diisopropyl ether	1.5	U	10	1.5
91-20-3	Naphthalene	0.24	U	1.0	0.24
179601-23-1	m-Xylene & p-Xylene	0.24	U	2.0	0.24
104-51-8	n-Butylbenzene	0.12	U	1.0	0.12
98-82-8	Isopropylbenzene	0.13	U	1.0	0.13
103-65-1	N-Propylbenzene	0.14	U	1.0	0.14
78-93-3	2-Butanone (MEK)	0.57	U	10	0.57
108-10-1	4-Methyl-2-pentanone (MIBK)	0.32	U	10	0.32
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.17	U	1.0	0.17
994-05-8	Tert-amyl methyl ether	0.067	U	5.0	0.067
75-09-2	Methylene Chloride	0.33	U	1.0	0.33
95-47-6	o-Xylene	0.14	U	1.0	0.14
100-42-5	Styrene	0.11	U	1.0	0.11
637-92-3	Ethyl-t-butyl ether (ETBE)	0.11	U	5.0	0.11
98-06-6	tert-Butylbenzene	0.13	U	1.0	0.13
127-18-4	Tetrachloroethene	0.29	U	1.0	0.29
108-88-3	Toluene	0.13	U	1.0	0.13
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	19		1.0	0.17
75-69-4	Trichlorofluoromethane	0.21	U	1.0	0.21
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.22	U	1.0	0.22
75-65-0	tert-Butyl alcohol	3.9	U	50	3.9
1330-20-7	Xylenes, Total	0.14	U	2.0	0.14
124-48-1	Chlorodibromomethane	0.18	U	1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1363-24 Lab Sample ID: 240-36327-8
Matrix: Water Lab File ID: UXJ7671.D
Analysis Method: 8260B Date Collected: 04/18/2014 10:35
Sample wt/vol: 5 (mL) Date Analyzed: 04/23/2014 15:37
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.: 127544 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		63-129
460-00-4	4-Bromofluorobenzene (Surr)	81		66-120
2037-26-5	Toluene-d8 (Surr)	89		74-120
1868-53-7	Dibromofluoromethane (Surr)	81		75-121

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

Lab Name: TestAmerica Canton Job No.: 240-36327-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1363-24 Lab Sample ID: 240-36327-8
Matrix: Water Lab File ID: UXJ7671.D
Analysis Method: 8260B Date Collected: 04/18/2014 10:35
Sample wt/vol: 5(mL) Date Analyzed: 04/23/2014 15:37
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.: 127544 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

Lab Name: TestAmerica Canton Job No.: 240-36327-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1363-28 Lab Sample ID: 240-36327-9

Matrix: Water Lab File ID: UXJ7672.D

Analysis Method: 8260B Date Collected: 04/18/2014 11:20

Sample wt/vol: 5(mL) Date Analyzed: 04/23/2014 16:00

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.: 127544 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.23	U	1.0	0.23
71-55-6	1,1,1-Trichloroethane	0.22	U	1.0	0.22
79-34-5	1,1,2,2-Tetrachloroethane	0.18	U	1.0	0.18
76-13-1	1,1,2-Trichlorotrifluoroethane	0.28	U	1.0	0.28
75-34-3	1,1-Dichloroethane	0.15	U	1.0	0.15
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.13	U	1.0	0.13
87-61-6	1,2,3-Trichlorobenzene	0.17	U	1.0	0.17
96-18-4	1,2,3-Trichloropropane	0.43	U	1.0	0.43
526-73-8	1,2,3-Trimethylbenzene	0.0059	U	5.0	0.0059
120-82-1	1,2,4-Trichlorobenzene	0.15	U	1.0	0.15
95-63-6	1,2,4-Trimethylbenzene	0.12	U	1.0	0.12
96-12-8	1,2-Dibromo-3-Chloropropane	0.67	U	2.0	0.67
95-50-1	1,2-Dichlorobenzene	0.13	U	1.0	0.13
107-06-2	1,2-Dichloroethane	0.22	U	1.0	0.22
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	0.14	U	1.0	0.14
142-28-9	1,3-Dichloropropane	0.16	U	1.0	0.16
106-46-7	1,4-Dichlorobenzene	0.13	U	1.0	0.13
594-20-7	2,2-Dichloropropane	0.13	U	1.0	0.13
110-75-8	2-Chloroethyl vinyl ether	0.99	U	10	0.99
95-49-8	2-Chlorotoluene	0.11	U	1.0	0.11
591-78-6	2-Hexanone	0.41	U	10	0.41
108-86-1	Bromobenzene	0.13	U	1.0	0.13
74-97-5	Bromochloromethane	0.29	U	1.0	0.29
106-43-4	4-Chlorotoluene	0.18	U	1.0	0.18
99-87-6	4-Isopropyltoluene	0.12	U	1.0	0.12
67-64-1	Acetone	1.7	J	10	1.1
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.64	U	1.0	0.64
74-83-9	Bromomethane	0.41	U	1.0	0.41
75-15-0	Carbon disulfide	0.13	U	1.0	0.13
56-23-5	Carbon tetrachloride	0.21	J	1.0	0.13
108-90-7	Chlorobenzene	0.15	U	1.0	0.15
75-00-3	Chloroethane	0.29	U	1.0	0.29
67-66-3	Chloroform	1.0		1.0	0.16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1363-28 Lab Sample ID: 240-36327-9

Matrix: Water Lab File ID: UXJ7672.D

Analysis Method: 8260B Date Collected: 04/18/2014 11:20

Sample wt/vol: 5 (mL) Date Analyzed: 04/23/2014 16:00

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.: 127544 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.30	U	1.0	0.30
156-59-2	cis-1,2-Dichloroethene	2.6		1.0	0.17
10061-01-5	cis-1,3-Dichloropropene	0.14	U	1.0	0.14
87-68-3	Hexachlorobutadiene	0.30	U	1.0	0.30
74-95-3	Dibromomethane	0.28	U	1.0	0.28
75-27-4	Bromodichloromethane	0.15	U	1.0	0.15
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.17	U	1.0	0.17
106-93-4	1,2-Dibromoethane	0.24	U	1.0	0.24
108-20-3	Diisopropyl ether	1.5	U	10	1.5
91-20-3	Naphthalene	0.24	U	1.0	0.24
179601-23-1	m-Xylene & p-Xylene	0.24	U	2.0	0.24
104-51-8	n-Butylbenzene	0.12	U	1.0	0.12
98-82-8	Isopropylbenzene	0.13	U	1.0	0.13
103-65-1	N-Propylbenzene	0.14	U	1.0	0.14
78-93-3	2-Butanone (MEK)	0.57	U	10	0.57
108-10-1	4-Methyl-2-pentanone (MIBK)	0.32	U	10	0.32
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	2.8		1.0	0.17
994-05-8	Tert-amyl methyl ether	0.067	U	5.0	0.067
75-09-2	Methylene Chloride	0.33	U	1.0	0.33
95-47-6	o-Xylene	0.14	U	1.0	0.14
100-42-5	Styrene	0.11	U	1.0	0.11
637-92-3	Ethyl-t-butyl ether (ETBE)	0.11	U	5.0	0.11
98-06-6	tert-Butylbenzene	0.13	U	1.0	0.13
127-18-4	Tetrachloroethene	0.29	U	1.0	0.29
108-88-3	Toluene	0.13	U	1.0	0.13
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	5.3		1.0	0.17
75-69-4	Trichlorofluoromethane	0.21	U	1.0	0.21
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.22	U	1.0	0.22
75-65-0	tert-Butyl alcohol	3.9	U	50	3.9
1330-20-7	Xylenes, Total	0.14	U	2.0	0.14
124-48-1	Chlorodibromomethane	0.18	U	1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1363-28 Lab Sample ID: 240-36327-9
Matrix: Water Lab File ID: UXJ7672.D
Analysis Method: 8260B Date Collected: 04/18/2014 11:20
Sample wt/vol: 5 (mL) Date Analyzed: 04/23/2014 16:00
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.: 127544 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		63-129
460-00-4	4-Bromofluorobenzene (Surr)	80		66-120
2037-26-5	Toluene-d8 (Surr)	90		74-120
1868-53-7	Dibromofluoromethane (Surr)	85		75-121

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

Lab Name: TestAmerica Canton Job No.: 240-36327-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1363-28 Lab Sample ID: 240-36327-9
Matrix: Water Lab File ID: UXJ7672.D
Analysis Method: 8260B Date Collected: 04/18/2014 11:20
Sample wt/vol: 5 (mL) Date Analyzed: 04/23/2014 16:00
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.: 127544 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

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-36327-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-E-SB-1364-12</u>	Lab Sample ID: <u>240-36327-10</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXJ7688.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>04/18/2014 12:05</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>04/24/2014 11:28</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1000</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>127716</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	230	U	1000	230
71-55-6	1,1,1-Trichloroethane	220	U	1000	220
79-34-5	1,1,2,2-Tetrachloroethane	180	U	1000	180
76-13-1	1,1,2-Trichlorotrifluoroethane	280	U	1000	280
75-34-3	1,1-Dichloroethane	150	U	1000	150
75-35-4	1,1-Dichloroethene	190	U	1000	190
563-58-6	1,1-Dichloropropene	130	U	1000	130
87-61-6	1,2,3-Trichlorobenzene	170	U	1000	170
96-18-4	1,2,3-Trichloropropane	430	U	1000	430
526-73-8	1,2,3-Trimethylbenzene	5.9	U	5000	5.9
120-82-1	1,2,4-Trichlorobenzene	150	U	1000	150
95-63-6	1,2,4-Trimethylbenzene	120	U	1000	120
96-12-8	1,2-Dibromo-3-Chloropropane	670	U	2000	670
95-50-1	1,2-Dichlorobenzene	130	U	1000	130
107-06-2	1,2-Dichloroethane	220	U	1000	220
78-87-5	1,2-Dichloropropane	180	U	1000	180
541-73-1	1,3-Dichlorobenzene	140	U	1000	140
142-28-9	1,3-Dichloropropane	160	U	1000	160
106-46-7	1,4-Dichlorobenzene	130	U	1000	130
594-20-7	2,2-Dichloropropane	130	U	1000	130
110-75-8	2-Chloroethyl vinyl ether	990	U	10000	990
95-49-8	2-Chlorotoluene	110	U	1000	110
591-78-6	2-Hexanone	410	U	10000	410
108-86-1	Bromobenzene	130	U	1000	130
74-97-5	Bromochloromethane	290	U	1000	290
106-43-4	4-Chlorotoluene	180	U	1000	180
99-87-6	4-Isopropyltoluene	120	U	1000	120
67-64-1	Acetone	1100	U	10000	1100
71-43-2	Benzene	130	U	1000	130
75-25-2	Bromoform	640	U	1000	640
74-83-9	Bromomethane	410	U	1000	410
75-15-0	Carbon disulfide	130	U	1000	130
56-23-5	Carbon tetrachloride	130	U	1000	130
108-90-7	Chlorobenzene	150	U	1000	150
75-00-3	Chloroethane	290	U	1000	290
67-66-3	Chloroform	160	U	1000	160

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-36327-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-E-SB-1364-12</u>	Lab Sample ID: <u>240-36327-10</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXJ7688.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>04/18/2014 12:05</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>04/24/2014 11:28</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1000</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>127716</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	300	U	1000	300
156-59-2	cis-1,2-Dichloroethene	480	J	1000	170
10061-01-5	cis-1,3-Dichloropropene	140	U	1000	140
87-68-3	Hexachlorobutadiene	300	U	1000	300
74-95-3	Dibromomethane	280	U	1000	280
75-27-4	Bromodichloromethane	150	U	1000	150
75-71-8	Dichlorodifluoromethane	310	U	1000	310
100-41-4	Ethylbenzene	170	U	1000	170
106-93-4	1,2-Dibromoethane	240	U	1000	240
108-20-3	Diisopropyl ether	1500	U	10000	1500
91-20-3	Naphthalene	240	U	1000	240
179601-23-1	m-Xylene & p-Xylene	240	U	2000	240
104-51-8	n-Butylbenzene	120	U	1000	120
98-82-8	Isopropylbenzene	130	U	1000	130
103-65-1	N-Propylbenzene	140	U	1000	140
78-93-3	2-Butanone (MEK)	570	U	10000	570
108-10-1	4-Methyl-2-pentanone (MIBK)	320	U	10000	320
135-98-8	sec-Butylbenzene	130	U	1000	130
1634-04-4	Methyl tert-butyl ether	170	U	1000	170
994-05-8	Tert-amyl methyl ether	67	U	5000	67
75-09-2	Methylene Chloride	330	U	1000	330
95-47-6	o-Xylene	140	U	1000	140
100-42-5	Styrene	110	U	1000	110
637-92-3	Ethyl-t-butyl ether (ETBE)	110	U	5000	110
98-06-6	tert-Butylbenzene	130	U	1000	130
127-18-4	Tetrachloroethene	290	U	1000	290
108-88-3	Toluene	130	U	1000	130
156-60-5	trans-1,2-Dichloroethene	190	U	1000	190
10061-02-6	trans-1,3-Dichloropropene	190	U	1000	190
79-01-6	Trichloroethene	24000		1000	170
75-69-4	Trichlorofluoromethane	210	U	1000	210
108-05-4	Vinyl acetate	190	U	2000	190
75-01-4	Vinyl chloride	220	U	1000	220
75-65-0	tert-Butyl alcohol	3900	U	50000	3900
1330-20-7	Xylenes, Total	140	U	2000	140
124-48-1	Chlorodibromomethane	180	U	1000	180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1364-12 Lab Sample ID: 240-36327-10
Matrix: Water Lab File ID: UXJ7688.D
Analysis Method: 8260B Date Collected: 04/18/2014 12:05
Sample wt/vol: 5(mL) Date Analyzed: 04/24/2014 11:28
Soil Aliquot Vol: _____ Dilution Factor: 1000
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 127716 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		63-129
460-00-4	4-Bromofluorobenzene (Surr)	79		66-120
2037-26-5	Toluene-d8 (Surr)	90		74-120
1868-53-7	Dibromofluoromethane (Surr)	83		75-121

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

Lab Name: TestAmerica Canton Job No.: 240-36327-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1364-12 Lab Sample ID: 240-36327-10
Matrix: Water Lab File ID: UXJ7688.D
Analysis Method: 8260B Date Collected: 04/18/2014 12:05
Sample wt/vol: 5 (mL) Date Analyzed: 04/24/2014 11:28
Soil Aliquot Vol: _____ Dilution Factor: 1000
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 127716 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

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-36327-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-E-SB-1364-16</u>	Lab Sample ID: <u>240-36327-11</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXJ7689.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>04/18/2014 13:19</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>04/24/2014 11:51</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1666.67</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18(mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>127716</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	380	U	1700	380
71-55-6	1,1,1-Trichloroethane	370	U	1700	370
79-34-5	1,1,2,2-Tetrachloroethane	300	U	1700	300
76-13-1	1,1,2-Trichlorotrifluoroethane	470	U	1700	470
75-34-3	1,1-Dichloroethane	250	U	1700	250
75-35-4	1,1-Dichloroethene	320	U	1700	320
563-58-6	1,1-Dichloropropene	220	U	1700	220
87-61-6	1,2,3-Trichlorobenzene	280	U	1700	280
96-18-4	1,2,3-Trichloropropane	720	U	1700	720
526-73-8	1,2,3-Trimethylbenzene	9.8	U	8300	9.8
120-82-1	1,2,4-Trichlorobenzene	250	U	1700	250
95-63-6	1,2,4-Trimethylbenzene	200	U	1700	200
96-12-8	1,2-Dibromo-3-Chloropropane	1100	U	3300	1100
95-50-1	1,2-Dichlorobenzene	220	U	1700	220
107-06-2	1,2-Dichloroethane	370	U	1700	370
78-87-5	1,2-Dichloropropane	300	U	1700	300
541-73-1	1,3-Dichlorobenzene	230	U	1700	230
142-28-9	1,3-Dichloropropane	270	U	1700	270
106-46-7	1,4-Dichlorobenzene	220	U	1700	220
594-20-7	2,2-Dichloropropane	220	U	1700	220
110-75-8	2-Chloroethyl vinyl ether	1700	U	17000	1700
95-49-8	2-Chlorotoluene	180	U	1700	180
591-78-6	2-Hexanone	680	U	17000	680
108-86-1	Bromobenzene	220	U	1700	220
74-97-5	Bromochloromethane	480	U	1700	480
106-43-4	4-Chlorotoluene	300	U	1700	300
99-87-6	4-Isopropyltoluene	200	U	1700	200
67-64-1	Acetone	1800	U	17000	1800
71-43-2	Benzene	220	U	1700	220
75-25-2	Bromoform	1100	U	1700	1100
74-83-9	Bromomethane	680	U	1700	680
75-15-0	Carbon disulfide	220	U	1700	220
56-23-5	Carbon tetrachloride	220	U	1700	220
108-90-7	Chlorobenzene	250	U	1700	250
75-00-3	Chloroethane	480	U	1700	480
67-66-3	Chloroform	270	U	1700	270

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-36327-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-E-SB-1364-16</u>	Lab Sample ID: <u>240-36327-11</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXJ7689.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>04/18/2014 13:19</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>04/24/2014 11:51</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1666.67</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>127716</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	500	U	1700	500
156-59-2	cis-1,2-Dichloroethene	280	U	1700	280
10061-01-5	cis-1,3-Dichloropropene	230	U	1700	230
87-68-3	Hexachlorobutadiene	500	U	1700	500
74-95-3	Dibromomethane	470	U	1700	470
75-27-4	Bromodichloromethane	250	U	1700	250
75-71-8	Dichlorodifluoromethane	520	U	1700	520
100-41-4	Ethylbenzene	280	U	1700	280
106-93-4	1,2-Dibromoethane	400	U	1700	400
108-20-3	Diisopropyl ether	2500	U	17000	2500
91-20-3	Naphthalene	400	U	1700	400
179601-23-1	m-Xylene & p-Xylene	400	U	3300	400
104-51-8	n-Butylbenzene	200	U	1700	200
98-82-8	Isopropylbenzene	220	U	1700	220
103-65-1	N-Propylbenzene	230	U	1700	230
78-93-3	2-Butanone (MEK)	950	U	17000	950
108-10-1	4-Methyl-2-pentanone (MIBK)	530	U	17000	530
135-98-8	sec-Butylbenzene	220	U	1700	220
1634-04-4	Methyl tert-butyl ether	280	U	1700	280
994-05-8	Tert-amyl methyl ether	110	U	8300	110
75-09-2	Methylene Chloride	550	U	1700	550
95-47-6	o-Xylene	230	U	1700	230
100-42-5	Styrene	180	U	1700	180
637-92-3	Ethyl-t-butyl ether (ETBE)	180	U	8300	180
98-06-6	tert-Butylbenzene	220	U	1700	220
127-18-4	Tetrachloroethene	480	U	1700	480
108-88-3	Toluene	220	U	1700	220
156-60-5	trans-1,2-Dichloroethene	320	U	1700	320
10061-02-6	trans-1,3-Dichloropropene	320	U	1700	320
79-01-6	Trichloroethene	38000		1700	280
75-69-4	Trichlorofluoromethane	350	U	1700	350
108-05-4	Vinyl acetate	320	U	3300	320
75-01-4	Vinyl chloride	370	U	1700	370
75-65-0	tert-Butyl alcohol	6500	U	83000	6500
1330-20-7	Xylenes, Total	230	U	3300	230
124-48-1	Chlorodibromomethane	300	U	1700	300

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1364-16 Lab Sample ID: 240-36327-11
Matrix: Water Lab File ID: UXJ7689.D
Analysis Method: 8260B Date Collected: 04/18/2014 13:19
Sample wt/vol: 5 (mL) Date Analyzed: 04/24/2014 11:51
Soil Aliquot Vol: _____ Dilution Factor: 1666.67
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 127716 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		63-129
460-00-4	4-Bromofluorobenzene (Surr)	80		66-120
2037-26-5	Toluene-d8 (Surr)	87		74-120
1868-53-7	Dibromofluoromethane (Surr)	83		75-121

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

Lab Name: TestAmerica Canton Job No.: 240-36327-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1364-16 Lab Sample ID: 240-36327-11
Matrix: Water Lab File ID: UXJ7689.D
Analysis Method: 8260B Date Collected: 04/18/2014 13:19
Sample wt/vol: 5(mL) Date Analyzed: 04/24/2014 11:51
Soil Aliquot Vol: _____ Dilution Factor: 1666.67
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 127716 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

Lab Name: TestAmerica Canton Job No.: 240-36327-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1364-20 Lab Sample ID: 240-36327-12

Matrix: Water Lab File ID: UXJ7690.D

Analysis Method: 8260B Date Collected: 04/18/2014 13:45

Sample wt/vol: 5 (mL) Date Analyzed: 04/24/2014 12:14

Soil Aliquot Vol: _____ Dilution Factor: 5000

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

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

Analysis Batch No.: 127716 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1200	U	5000	1200
71-55-6	1,1,1-Trichloroethane	1100	U	5000	1100
79-34-5	1,1,2,2-Tetrachloroethane	900	U	5000	900
76-13-1	1,1,2-Trichlorotrifluoroethane	1400	U	5000	1400
75-34-3	1,1-Dichloroethane	750	U	5000	750
75-35-4	1,1-Dichloroethene	950	U	5000	950
563-58-6	1,1-Dichloropropene	650	U	5000	650
87-61-6	1,2,3-Trichlorobenzene	850	U	5000	850
96-18-4	1,2,3-Trichloropropane	2200	U	5000	2200
526-73-8	1,2,3-Trimethylbenzene	30	U	25000	30
120-82-1	1,2,4-Trichlorobenzene	750	U	5000	750
95-63-6	1,2,4-Trimethylbenzene	600	U	5000	600
96-12-8	1,2-Dibromo-3-Chloropropane	3400	U	10000	3400
95-50-1	1,2-Dichlorobenzene	650	U	5000	650
107-06-2	1,2-Dichloroethane	1100	U	5000	1100
78-87-5	1,2-Dichloropropane	900	U	5000	900
541-73-1	1,3-Dichlorobenzene	700	U	5000	700
142-28-9	1,3-Dichloropropane	800	U	5000	800
106-46-7	1,4-Dichlorobenzene	650	U	5000	650
594-20-7	2,2-Dichloropropane	650	U	5000	650
110-75-8	2-Chloroethyl vinyl ether	5000	U	50000	5000
95-49-8	2-Chlorotoluene	550	U	5000	550
591-78-6	2-Hexanone	2100	U	50000	2100
108-86-1	Bromobenzene	650	U	5000	650
74-97-5	Bromochloromethane	1500	U	5000	1500
106-43-4	4-Chlorotoluene	900	U	5000	900
99-87-6	4-Isopropyltoluene	600	U	5000	600
67-64-1	Acetone	5500	U	50000	5500
71-43-2	Benzene	650	U	5000	650
75-25-2	Bromoform	3200	U	5000	3200
74-83-9	Bromomethane	2100	U	5000	2100
75-15-0	Carbon disulfide	650	U	5000	650
56-23-5	Carbon tetrachloride	650	U	5000	650
108-90-7	Chlorobenzene	750	U	5000	750
75-00-3	Chloroethane	1500	U	5000	1500
67-66-3	Chloroform	800	U	5000	800

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1364-20 Lab Sample ID: 240-36327-12

Matrix: Water Lab File ID: UXJ7690.D

Analysis Method: 8260B Date Collected: 04/18/2014 13:45

Sample wt/vol: 5(mL) Date Analyzed: 04/24/2014 12:14

Soil Aliquot Vol: _____ Dilution Factor: 5000

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

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

Analysis Batch No.: 127716 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	1500	U	5000	1500
156-59-2	cis-1,2-Dichloroethene	850	U	5000	850
10061-01-5	cis-1,3-Dichloropropene	700	U	5000	700
87-68-3	Hexachlorobutadiene	1500	U	5000	1500
74-95-3	Dibromomethane	1400	U	5000	1400
75-27-4	Bromodichloromethane	750	U	5000	750
75-71-8	Dichlorodifluoromethane	1600	U	5000	1600
100-41-4	Ethylbenzene	850	U	5000	850
106-93-4	1,2-Dibromoethane	1200	U	5000	1200
108-20-3	Diisopropyl ether	7500	U	50000	7500
91-20-3	Naphthalene	1200	U	5000	1200
179601-23-1	m-Xylene & p-Xylene	1200	U	10000	1200
104-51-8	n-Butylbenzene	600	U	5000	600
98-82-8	Isopropylbenzene	650	U	5000	650
103-65-1	N-Propylbenzene	700	U	5000	700
78-93-3	2-Butanone (MEK)	2900	U	50000	2900
108-10-1	4-Methyl-2-pentanone (MIBK)	1600	U	50000	1600
135-98-8	sec-Butylbenzene	650	U	5000	650
1634-04-4	Methyl tert-butyl ether	850	U	5000	850
994-05-8	Tert-amyl methyl ether	340	U	25000	340
75-09-2	Methylene Chloride	1700	U	5000	1700
95-47-6	o-Xylene	700	U	5000	700
100-42-5	Styrene	550	U	5000	550
637-92-3	Ethyl-t-butyl ether (ETBE)	550	U	25000	550
98-06-6	tert-Butylbenzene	650	U	5000	650
127-18-4	Tetrachloroethene	1500	U	5000	1500
108-88-3	Toluene	650	U	5000	650
156-60-5	trans-1,2-Dichloroethene	950	U	5000	950
10061-02-6	trans-1,3-Dichloropropene	950	U	5000	950
79-01-6	Trichloroethene	130000		5000	850
75-69-4	Trichlorofluoromethane	1100	U	5000	1100
108-05-4	Vinyl acetate	950	U	10000	950
75-01-4	Vinyl chloride	1100	U	5000	1100
75-65-0	tert-Butyl alcohol	20000	U	250000	20000
1330-20-7	Xylenes, Total	700	U	10000	700
124-48-1	Chlorodibromomethane	900	U	5000	900

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1364-20 Lab Sample ID: 240-36327-12
Matrix: Water Lab File ID: UXJ7690.D
Analysis Method: 8260B Date Collected: 04/18/2014 13:45
Sample wt/vol: 5 (mL) Date Analyzed: 04/24/2014 12:14
Soil Aliquot Vol: _____ Dilution Factor: 5000
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 127716 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		63-129
460-00-4	4-Bromofluorobenzene (Surr)	83		66-120
2037-26-5	Toluene-d8 (Surr)	90		74-120
1868-53-7	Dibromofluoromethane (Surr)	86		75-121

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

Lab Name: TestAmerica Canton Job No.: 240-36327-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1364-20 Lab Sample ID: 240-36327-12
Matrix: Water Lab File ID: UXJ7690.D
Analysis Method: 8260B Date Collected: 04/18/2014 13:45
Sample wt/vol: 5 (mL) Date Analyzed: 04/24/2014 12:14
Soil Aliquot Vol: _____ Dilution Factor: 5000
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 127716 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

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-36327-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-E-SB-1364-24</u>	Lab Sample ID: <u>240-36327-13</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXJ7691.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>04/18/2014 14:10</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>04/24/2014 12:38</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>6666.67</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18(mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>127716</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1500	U	6700	1500
71-55-6	1,1,1-Trichloroethane	1500	U	6700	1500
79-34-5	1,1,2,2-Tetrachloroethane	1200	U	6700	1200
76-13-1	1,1,2-Trichlorotrifluoroethane	1900	U	6700	1900
75-34-3	1,1-Dichloroethane	1000	U	6700	1000
75-35-4	1,1-Dichloroethene	1300	U	6700	1300
563-58-6	1,1-Dichloropropene	870	U	6700	870
87-61-6	1,2,3-Trichlorobenzene	1100	U	6700	1100
96-18-4	1,2,3-Trichloropropane	2900	U	6700	2900
526-73-8	1,2,3-Trimethylbenzene	39	U	33000	39
120-82-1	1,2,4-Trichlorobenzene	1000	U	6700	1000
95-63-6	1,2,4-Trimethylbenzene	800	U	6700	800
96-12-8	1,2-Dibromo-3-Chloropropane	4500	U	13000	4500
95-50-1	1,2-Dichlorobenzene	870	U	6700	870
107-06-2	1,2-Dichloroethane	1500	U	6700	1500
78-87-5	1,2-Dichloropropane	1200	U	6700	1200
541-73-1	1,3-Dichlorobenzene	930	U	6700	930
142-28-9	1,3-Dichloropropane	1100	U	6700	1100
106-46-7	1,4-Dichlorobenzene	870	U	6700	870
594-20-7	2,2-Dichloropropane	870	U	6700	870
110-75-8	2-Chloroethyl vinyl ether	6600	U	67000	6600
95-49-8	2-Chlorotoluene	730	U	6700	730
591-78-6	2-Hexanone	2700	U	67000	2700
108-86-1	Bromobenzene	870	U	6700	870
74-97-5	Bromochloromethane	1900	U	6700	1900
106-43-4	4-Chlorotoluene	1200	U	6700	1200
99-87-6	4-Isopropyltoluene	800	U	6700	800
67-64-1	Acetone	7300	U	67000	7300
71-43-2	Benzene	870	U	6700	870
75-25-2	Bromoform	4300	U	6700	4300
74-83-9	Bromomethane	2700	U	6700	2700
75-15-0	Carbon disulfide	870	U	6700	870
56-23-5	Carbon tetrachloride	870	U	6700	870
108-90-7	Chlorobenzene	1000	U	6700	1000
75-00-3	Chloroethane	1900	U	6700	1900
67-66-3	Chloroform	1100	U	6700	1100

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-36327-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-E-SB-1364-24</u>	Lab Sample ID: <u>240-36327-13</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXJ7691.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>04/18/2014 14:10</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>04/24/2014 12:38</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>6666.67</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18(mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>127716</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	2000	U	6700	2000
156-59-2	cis-1,2-Dichloroethene	1100	U	6700	1100
10061-01-5	cis-1,3-Dichloropropene	930	U	6700	930
87-68-3	Hexachlorobutadiene	2000	U	6700	2000
74-95-3	Dibromomethane	1900	U	6700	1900
75-27-4	Bromodichloromethane	1000	U	6700	1000
75-71-8	Dichlorodifluoromethane	2100	U	6700	2100
100-41-4	Ethylbenzene	1100	U	6700	1100
106-93-4	1,2-Dibromoethane	1600	U	6700	1600
108-20-3	Diisopropyl ether	10000	U	67000	10000
91-20-3	Naphthalene	1600	U	6700	1600
179601-23-1	m-Xylene & p-Xylene	1600	U	13000	1600
104-51-8	n-Butylbenzene	800	U	6700	800
98-82-8	Isopropylbenzene	870	U	6700	870
103-65-1	N-Propylbenzene	930	U	6700	930
78-93-3	2-Butanone (MEK)	3800	U	67000	3800
108-10-1	4-Methyl-2-pentanone (MIBK)	2100	U	67000	2100
135-98-8	sec-Butylbenzene	870	U	6700	870
1634-04-4	Methyl tert-butyl ether	1100	U	6700	1100
994-05-8	Tert-amyl methyl ether	450	U	33000	450
75-09-2	Methylene Chloride	2200	U	6700	2200
95-47-6	o-Xylene	930	U	6700	930
100-42-5	Styrene	730	U	6700	730
637-92-3	Ethyl-t-butyl ether (ETBE)	730	U	33000	730
98-06-6	tert-Butylbenzene	870	U	6700	870
127-18-4	Tetrachloroethene	1900	U	6700	1900
108-88-3	Toluene	870	U	6700	870
156-60-5	trans-1,2-Dichloroethene	1300	U	6700	1300
10061-02-6	trans-1,3-Dichloropropene	1300	U	6700	1300
79-01-6	Trichloroethene	180000		6700	1100
75-69-4	Trichlorofluoromethane	1400	U	6700	1400
108-05-4	Vinyl acetate	1300	U	13000	1300
75-01-4	Vinyl chloride	1500	U	6700	1500
75-65-0	tert-Butyl alcohol	26000	U	330000	26000
1330-20-7	Xylenes, Total	930	U	13000	930
124-48-1	Chlorodibromomethane	1200	U	6700	1200

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1364-24 Lab Sample ID: 240-36327-13
Matrix: Water Lab File ID: UXJ7691.D
Analysis Method: 8260B Date Collected: 04/18/2014 14:10
Sample wt/vol: 5(mL) Date Analyzed: 04/24/2014 12:38
Soil Aliquot Vol: _____ Dilution Factor: 6666.67
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 127716 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		63-129
460-00-4	4-Bromofluorobenzene (Surr)	82		66-120
2037-26-5	Toluene-d8 (Surr)	92		74-120
1868-53-7	Dibromofluoromethane (Surr)	88		75-121

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

Lab Name: TestAmerica Canton Job No.: 240-36327-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1364-24 Lab Sample ID: 240-36327-13
Matrix: Water Lab File ID: UXJ7691.D
Analysis Method: 8260B Date Collected: 04/18/2014 14:10
Sample wt/vol: 5 (mL) Date Analyzed: 04/24/2014 12:38
Soil Aliquot Vol: _____ Dilution Factor: 6666.67
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 127716 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

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-36327-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-E-SB-1364-28</u>	Lab Sample ID: <u>240-36327-14</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXJ7692.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>04/18/2014 14:40</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>04/24/2014 13:01</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1000</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>127716</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	230	U	1000	230
71-55-6	1,1,1-Trichloroethane	220	U	1000	220
79-34-5	1,1,2,2-Tetrachloroethane	180	U	1000	180
76-13-1	1,1,2-Trichlorotrifluoroethane	280	U	1000	280
75-34-3	1,1-Dichloroethane	150	U	1000	150
75-35-4	1,1-Dichloroethene	190	U	1000	190
563-58-6	1,1-Dichloropropene	130	U	1000	130
87-61-6	1,2,3-Trichlorobenzene	170	U	1000	170
96-18-4	1,2,3-Trichloropropane	430	U	1000	430
526-73-8	1,2,3-Trimethylbenzene	5.9	U	5000	5.9
120-82-1	1,2,4-Trichlorobenzene	150	U	1000	150
95-63-6	1,2,4-Trimethylbenzene	120	U	1000	120
96-12-8	1,2-Dibromo-3-Chloropropane	670	U	2000	670
95-50-1	1,2-Dichlorobenzene	130	U	1000	130
107-06-2	1,2-Dichloroethane	220	U	1000	220
78-87-5	1,2-Dichloropropane	180	U	1000	180
541-73-1	1,3-Dichlorobenzene	140	U	1000	140
142-28-9	1,3-Dichloropropane	160	U	1000	160
106-46-7	1,4-Dichlorobenzene	130	U	1000	130
594-20-7	2,2-Dichloropropane	130	U	1000	130
110-75-8	2-Chloroethyl vinyl ether	990	U	10000	990
95-49-8	2-Chlorotoluene	110	U	1000	110
591-78-6	2-Hexanone	410	U	10000	410
108-86-1	Bromobenzene	130	U	1000	130
74-97-5	Bromochloromethane	290	U	1000	290
106-43-4	4-Chlorotoluene	180	U	1000	180
99-87-6	4-Isopropyltoluene	120	U	1000	120
67-64-1	Acetone	1100	U	10000	1100
71-43-2	Benzene	130	U	1000	130
75-25-2	Bromoform	640	U	1000	640
74-83-9	Bromomethane	410	U	1000	410
75-15-0	Carbon disulfide	130	U	1000	130
56-23-5	Carbon tetrachloride	130	U	1000	130
108-90-7	Chlorobenzene	150	U	1000	150
75-00-3	Chloroethane	290	U	1000	290
67-66-3	Chloroform	160	U	1000	160

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1364-28 Lab Sample ID: 240-36327-14

Matrix: Water Lab File ID: UXJ7692.D

Analysis Method: 8260B Date Collected: 04/18/2014 14:40

Sample wt/vol: 5(mL) Date Analyzed: 04/24/2014 13:01

Soil Aliquot Vol: _____ Dilution Factor: 1000

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

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

Analysis Batch No.: 127716 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	300	U	1000	300
156-59-2	cis-1,2-Dichloroethene	170	U	1000	170
10061-01-5	cis-1,3-Dichloropropene	140	U	1000	140
87-68-3	Hexachlorobutadiene	300	U	1000	300
74-95-3	Dibromomethane	280	U	1000	280
75-27-4	Bromodichloromethane	150	U	1000	150
75-71-8	Dichlorodifluoromethane	310	U	1000	310
100-41-4	Ethylbenzene	170	U	1000	170
106-93-4	1,2-Dibromoethane	240	U	1000	240
108-20-3	Diisopropyl ether	1500	U	10000	1500
91-20-3	Naphthalene	240	U	1000	240
179601-23-1	m-Xylene & p-Xylene	240	U	2000	240
104-51-8	n-Butylbenzene	120	U	1000	120
98-82-8	Isopropylbenzene	130	U	1000	130
103-65-1	N-Propylbenzene	140	U	1000	140
78-93-3	2-Butanone (MEK)	570	U	10000	570
108-10-1	4-Methyl-2-pentanone (MIBK)	320	U	10000	320
135-98-8	sec-Butylbenzene	130	U	1000	130
1634-04-4	Methyl tert-butyl ether	170	U	1000	170
994-05-8	Tert-amyl methyl ether	67	U	5000	67
75-09-2	Methylene Chloride	330	U	1000	330
95-47-6	o-Xylene	140	U	1000	140
100-42-5	Styrene	110	U	1000	110
637-92-3	Ethyl-t-butyl ether (ETBE)	110	U	5000	110
98-06-6	tert-Butylbenzene	130	U	1000	130
127-18-4	Tetrachloroethene	290	U	1000	290
108-88-3	Toluene	130	U	1000	130
156-60-5	trans-1,2-Dichloroethene	190	U	1000	190
10061-02-6	trans-1,3-Dichloropropene	190	U	1000	190
79-01-6	Trichloroethene	27000		1000	170
75-69-4	Trichlorofluoromethane	210	U	1000	210
108-05-4	Vinyl acetate	190	U	2000	190
75-01-4	Vinyl chloride	220	U	1000	220
75-65-0	tert-Butyl alcohol	3900	U	50000	3900
1330-20-7	Xylenes, Total	140	U	2000	140
124-48-1	Chlorodibromomethane	180	U	1000	180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1364-28 Lab Sample ID: 240-36327-14
Matrix: Water Lab File ID: UXJ7692.D
Analysis Method: 8260B Date Collected: 04/18/2014 14:40
Sample wt/vol: 5 (mL) Date Analyzed: 04/24/2014 13:01
Soil Aliquot Vol: _____ Dilution Factor: 1000
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 127716 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		63-129
460-00-4	4-Bromofluorobenzene (Surr)	83		66-120
2037-26-5	Toluene-d8 (Surr)	89		74-120
1868-53-7	Dibromofluoromethane (Surr)	86		75-121

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

Lab Name: TestAmerica Canton Job No.: 240-36327-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1364-28 Lab Sample ID: 240-36327-14
Matrix: Water Lab File ID: UXJ7692.D
Analysis Method: 8260B Date Collected: 04/18/2014 14:40
Sample wt/vol: 5 (mL) Date Analyzed: 04/24/2014 13:01
Soil Aliquot Vol: _____ Dilution Factor: 1000
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 127716 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

Lab Name: TestAmerica Canton Job No.: 240-36327-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1364-32 Lab Sample ID: 240-36327-15

Matrix: Water Lab File ID: UXJ7678.D

Analysis Method: 8260B Date Collected: 04/18/2014 15:00

Sample wt/vol: 5(mL) Date Analyzed: 04/23/2014 18:21

Soil Aliquot Vol: _____ Dilution Factor: 50

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

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

Analysis Batch No.: 127544 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	12	U	50	12
71-55-6	1,1,1-Trichloroethane	11	U	50	11
79-34-5	1,1,2,2-Tetrachloroethane	9.0	U	50	9.0
76-13-1	1,1,2-Trichlorotrifluoroethane	14	U	50	14
75-34-3	1,1-Dichloroethane	7.5	U	50	7.5
75-35-4	1,1-Dichloroethene	9.5	U	50	9.5
563-58-6	1,1-Dichloropropene	6.5	U	50	6.5
87-61-6	1,2,3-Trichlorobenzene	8.5	U	50	8.5
96-18-4	1,2,3-Trichloropropane	22	U	50	22
526-73-8	1,2,3-Trimethylbenzene	0.30	U	250	0.30
120-82-1	1,2,4-Trichlorobenzene	7.5	U	50	7.5
95-63-6	1,2,4-Trimethylbenzene	6.0	U	50	6.0
96-12-8	1,2-Dibromo-3-Chloropropane	34	U	100	34
95-50-1	1,2-Dichlorobenzene	6.5	U	50	6.5
107-06-2	1,2-Dichloroethane	11	U	50	11
78-87-5	1,2-Dichloropropane	9.0	U	50	9.0
541-73-1	1,3-Dichlorobenzene	7.0	U	50	7.0
142-28-9	1,3-Dichloropropane	8.0	U	50	8.0
106-46-7	1,4-Dichlorobenzene	6.5	U	50	6.5
594-20-7	2,2-Dichloropropane	6.5	U	50	6.5
110-75-8	2-Chloroethyl vinyl ether	50	U	500	50
95-49-8	2-Chlorotoluene	5.5	U	50	5.5
591-78-6	2-Hexanone	21	U	500	21
108-86-1	Bromobenzene	6.5	U	50	6.5
74-97-5	Bromochloromethane	15	U	50	15
106-43-4	4-Chlorotoluene	9.0	U	50	9.0
99-87-6	4-Isopropyltoluene	6.0	U	50	6.0
67-64-1	Acetone	55	U	500	55
71-43-2	Benzene	6.5	U	50	6.5
75-25-2	Bromoform	32	U	50	32
74-83-9	Bromomethane	21	U	50	21
75-15-0	Carbon disulfide	6.5	U	50	6.5
56-23-5	Carbon tetrachloride	6.5	U	50	6.5
108-90-7	Chlorobenzene	7.5	U	50	7.5
75-00-3	Chloroethane	15	U	50	15
67-66-3	Chloroform	8.0	U	50	8.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1

SDG No.: _____

Client Sample ID: MRC-E-SB-1364-32 Lab Sample ID: 240-36327-15

Matrix: Water Lab File ID: UXJ7678.D

Analysis Method: 8260B Date Collected: 04/18/2014 15:00

Sample wt/vol: 5(mL) Date Analyzed: 04/23/2014 18:21

Soil Aliquot Vol: _____ Dilution Factor: 50

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

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

Analysis Batch No.: 127544 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	15	U	50	15
156-59-2	cis-1,2-Dichloroethene	13	J	50	8.5
10061-01-5	cis-1,3-Dichloropropene	7.0	U	50	7.0
87-68-3	Hexachlorobutadiene	15	U	50	15
74-95-3	Dibromomethane	14	U	50	14
75-27-4	Bromodichloromethane	7.5	U	50	7.5
75-71-8	Dichlorodifluoromethane	16	U	50	16
100-41-4	Ethylbenzene	8.5	U	50	8.5
106-93-4	1,2-Dibromoethane	12	U	50	12
108-20-3	Diisopropyl ether	75	U	500	75
91-20-3	Naphthalene	12	U	50	12
179601-23-1	m-Xylene & p-Xylene	12	U	100	12
104-51-8	n-Butylbenzene	6.0	U	50	6.0
98-82-8	Isopropylbenzene	6.5	U	50	6.5
103-65-1	N-Propylbenzene	7.0	U	50	7.0
78-93-3	2-Butanone (MEK)	29	U	500	29
108-10-1	4-Methyl-2-pentanone (MIBK)	16	U	500	16
135-98-8	sec-Butylbenzene	6.5	U	50	6.5
1634-04-4	Methyl tert-butyl ether	17	J	50	8.5
994-05-8	Tert-amyl methyl ether	3.4	U	250	3.4
75-09-2	Methylene Chloride	17	U	50	17
95-47-6	o-Xylene	7.0	U	50	7.0
100-42-5	Styrene	5.5	U	50	5.5
637-92-3	Ethyl-t-butyl ether (ETBE)	5.5	U	250	5.5
98-06-6	tert-Butylbenzene	6.5	U	50	6.5
127-18-4	Tetrachloroethene	15	U	50	15
108-88-3	Toluene	6.5	U	50	6.5
156-60-5	trans-1,2-Dichloroethene	9.5	U	50	9.5
10061-02-6	trans-1,3-Dichloropropene	9.5	U	50	9.5
79-01-6	Trichloroethene	1100		50	8.5
75-69-4	Trichlorofluoromethane	11	U	50	11
108-05-4	Vinyl acetate	9.5	U	100	9.5
75-01-4	Vinyl chloride	11	U	50	11
75-65-0	tert-Butyl alcohol	200	U	2500	200
1330-20-7	Xylenes, Total	7.0	U	100	7.0
124-48-1	Chlorodibromomethane	9.0	U	50	9.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1364-32 Lab Sample ID: 240-36327-15
Matrix: Water Lab File ID: UXJ7678.D
Analysis Method: 8260B Date Collected: 04/18/2014 15:00
Sample wt/vol: 5(mL) Date Analyzed: 04/23/2014 18:21
Soil Aliquot Vol: _____ Dilution Factor: 50
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 127544 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		63-129
460-00-4	4-Bromofluorobenzene (Surr)	83		66-120
2037-26-5	Toluene-d8 (Surr)	89		74-120
1868-53-7	Dibromofluoromethane (Surr)	86		75-121

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

Lab Name: TestAmerica Canton Job No.: 240-36327-1
SDG No.: _____
Client Sample ID: MRC-E-SB-1364-32 Lab Sample ID: 240-36327-15
Matrix: Water Lab File ID: UXJ7678.D
Analysis Method: 8260B Date Collected: 04/18/2014 15:00
Sample wt/vol: 5 (mL) Date Analyzed: 04/23/2014 18:21
Soil Aliquot Vol: _____ Dilution Factor: 50
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 127544 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

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-36327-1</u>
SDG No.: _____	
Client Sample ID: <u>TB-041814</u>	Lab Sample ID: <u>240-36327-16</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXJ7679.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>04/18/2014 00:00</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>04/23/2014 18:45</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18(mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>127544</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.23	U	1.0	0.23
71-55-6	1,1,1-Trichloroethane	0.22	U	1.0	0.22
79-34-5	1,1,2,2-Tetrachloroethane	0.18	U	1.0	0.18
76-13-1	1,1,2-Trichlorotrifluoroethane	0.28	U	1.0	0.28
75-34-3	1,1-Dichloroethane	0.15	U	1.0	0.15
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.13	U	1.0	0.13
87-61-6	1,2,3-Trichlorobenzene	0.17	U	1.0	0.17
96-18-4	1,2,3-Trichloropropane	0.43	U	1.0	0.43
526-73-8	1,2,3-Trimethylbenzene	0.0059	U	5.0	0.0059
120-82-1	1,2,4-Trichlorobenzene	0.15	U	1.0	0.15
95-63-6	1,2,4-Trimethylbenzene	0.12	U	1.0	0.12
96-12-8	1,2-Dibromo-3-Chloropropane	0.67	U	2.0	0.67
95-50-1	1,2-Dichlorobenzene	0.13	U	1.0	0.13
107-06-2	1,2-Dichloroethane	0.22	U	1.0	0.22
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	0.14	U	1.0	0.14
142-28-9	1,3-Dichloropropane	0.16	U	1.0	0.16
106-46-7	1,4-Dichlorobenzene	0.13	U	1.0	0.13
594-20-7	2,2-Dichloropropane	0.13	U	1.0	0.13
110-75-8	2-Chloroethyl vinyl ether	0.99	U	10	0.99
95-49-8	2-Chlorotoluene	0.11	U	1.0	0.11
591-78-6	2-Hexanone	0.41	U	10	0.41
108-86-1	Bromobenzene	0.13	U	1.0	0.13
74-97-5	Bromochloromethane	0.29	U	1.0	0.29
106-43-4	4-Chlorotoluene	0.18	U	1.0	0.18
99-87-6	4-Isopropyltoluene	0.12	U	1.0	0.12
67-64-1	Acetone	1.1	U	10	1.1
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.64	U	1.0	0.64
74-83-9	Bromomethane	0.41	U	1.0	0.41
75-15-0	Carbon disulfide	0.13	U	1.0	0.13
56-23-5	Carbon tetrachloride	0.13	U	1.0	0.13
108-90-7	Chlorobenzene	0.15	U	1.0	0.15
75-00-3	Chloroethane	0.29	U	1.0	0.29
67-66-3	Chloroform	0.16	U	1.0	0.16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1

SDG No.: _____

Client Sample ID: TB-041814 Lab Sample ID: 240-36327-16

Matrix: Water Lab File ID: UXJ7679.D

Analysis Method: 8260B Date Collected: 04/18/2014 00:00

Sample wt/vol: 5 (mL) Date Analyzed: 04/23/2014 18:45

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 127544 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.30	U	1.0	0.30
156-59-2	cis-1,2-Dichloroethene	0.17	U	1.0	0.17
10061-01-5	cis-1,3-Dichloropropene	0.14	U	1.0	0.14
87-68-3	Hexachlorobutadiene	0.30	U	1.0	0.30
74-95-3	Dibromomethane	0.28	U	1.0	0.28
75-27-4	Bromodichloromethane	0.15	U	1.0	0.15
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.17	U	1.0	0.17
106-93-4	1,2-Dibromoethane	0.24	U	1.0	0.24
108-20-3	Diisopropyl ether	1.5	U	10	1.5
91-20-3	Naphthalene	0.24	U	1.0	0.24
179601-23-1	m-Xylene & p-Xylene	0.24	U	2.0	0.24
104-51-8	n-Butylbenzene	0.12	U	1.0	0.12
98-82-8	Isopropylbenzene	0.13	U	1.0	0.13
103-65-1	N-Propylbenzene	0.14	U	1.0	0.14
78-93-3	2-Butanone (MEK)	0.57	U	10	0.57
108-10-1	4-Methyl-2-pentanone (MIBK)	0.32	U	10	0.32
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.17	U	1.0	0.17
994-05-8	Tert-amyl methyl ether	0.067	U	5.0	0.067
75-09-2	Methylene Chloride	0.33	U	1.0	0.33
95-47-6	o-Xylene	0.14	U	1.0	0.14
100-42-5	Styrene	0.11	U	1.0	0.11
637-92-3	Ethyl-t-butyl ether (ETBE)	0.11	U	5.0	0.11
98-06-6	tert-Butylbenzene	0.13	U	1.0	0.13
127-18-4	Tetrachloroethene	0.29	U	1.0	0.29
108-88-3	Toluene	0.13	U	1.0	0.13
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	0.20	J	1.0	0.17
75-69-4	Trichlorofluoromethane	0.21	U	1.0	0.21
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.22	U	1.0	0.22
75-65-0	tert-Butyl alcohol	3.9	U	50	3.9
1330-20-7	Xylenes, Total	0.14	U	2.0	0.14
124-48-1	Chlorodibromomethane	0.18	U	1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1
SDG No.: _____
Client Sample ID: TB-041814 Lab Sample ID: 240-36327-16
Matrix: Water Lab File ID: UXJ7679.D
Analysis Method: 8260B Date Collected: 04/18/2014 00:00
Sample wt/vol: 5 (mL) Date Analyzed: 04/23/2014 18:45
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 127544 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		63-129
460-00-4	4-Bromofluorobenzene (Surr)	83		66-120
2037-26-5	Toluene-d8 (Surr)	91		74-120
1868-53-7	Dibromofluoromethane (Surr)	87		75-121

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

Lab Name: TestAmerica Canton Job No.: 240-36327-1
SDG No.: _____
Client Sample ID: TB-041814 Lab Sample ID: 240-36327-16
Matrix: Water Lab File ID: UXJ7679.D
Analysis Method: 8260B Date Collected: 04/18/2014 00:00
Sample wt/vol: 5(mL) Date Analyzed: 04/23/2014 18:45
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 127544 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

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

Appendix C

Support Documentation



TETRA TECH NUS, INC.

2.0

CHAIN OF CUSTODY

NUMBER 3515

PAGE 1 OF 2

PROJECT NO: 1127004769.2.3	FACILITY: MPL	PROJECT MANAGER Chris Pike	PHONE NUMBER 412-302-1624	LABORATORY NAME AND CONTACT: Tetra Tech / Tetra America / Tetra Europe								
SAMPLERS (SIGNATURE) 		FIELD OPERATIONS LEADER Tara Miller	PHONE NUMBER 810-271-5641	ADDRESS 4101 Shuffel St NW.								
STANDARD TAT ☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day RUSH TAT ☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day		CARRIER/WAYBILL NUMBER	CITY, STATE North Canton, OH									
DATE YEAR 2014	TIME 5:00 PM	LOCATION ID	TOP DEPTH (FT) 12	BOTTOM DEPTH (FT) 16	MATRIX (GW, SO, SW, SD, GC, ETC.) Ag	COLLECTION METHOD GRAB (G)	COMP (C)	NO. OF CONTAINERS 3	CONTAINER TYPE PLASTIC (P) or GLASS (G) G	PRESERVATIVE USED HCl	TYPE OF ANALYSIS VMS	COMMENTS
4/17 1445		MAL-E-SB-1362-15	12	16	Ag	6						
4/17 1520		MAL-E-SB-1362-20	16	20								
4/17 1555		MAL-E-SB-1362-24	20	24								
4/18 0835		MAL-E-SB-1362-28	24	28								
4/18 0930		MAL-E-SB-1363-12	8	12								
4/18 0945		MAL-E-SB-1363-16	12	16								
4/18 1010		MAL-E-SB-1363-20	16	20								
4/18 1035		MAL-E-SB-1363-24	20	24								
4/18 1120		MAL-E-SB-1363-28	24	28								
4/18 1205		MAL-E-SB-1364-12	8	12								
4/18 1319		MAL-E-SB-1364-16	12	16								
4/18 1345		MAL-E-SB-1364-20	16	20								
4/18 1410		MAL-E-SB-1364-24	20	24								
1. RELINQUISHED BY	DATE 4/18/14	TIME 1510	1. RECEIVED BY	DATE 4/19/14	TIME 1510							
2. RELINQUISHED BY	DATE 4/18/14	TIME 175	2. RECEIVED BY	DATE 4/19/14	TIME 4:45							
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME							
COMMENTS 5 DAY TEST												

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE)

YELLOW (FIELD COPY)

PINK (FILE COPY)

FORM NO. TINUS-001

[illegible]

Canton Facility

Client Tetra Tech Site Name _____ Cooler unpacked by: Jessie Bonoi

Cooler Received on 4/19/14 Opened on 4/19/14

FedEx: 1st Grd ☒ Exp ☐ UPS ☐ FAS ☐ Stetson ☐ Client Drop Off ☐ TestAmerica Courier ☐ Other _____

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 ☐

- Cooler temperature upon receipt

IR GUN# A (CF +0 °C) Observed Cooler Temp. <u>2.0</u> °C	Corrected Cooler Temp. <u>2.0</u> °C	☐ See Multiple Cooler Form
IR GUN# 4 (CF -1 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	
IR GUN# 5 (CF +1 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	
IR GUN# 8 (CF +1 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	
- 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)?	☒ Yes ☐ No
- Shippers' packing slip attached to the cooler(s)? ☒ Yes ☐ No
- Did custody papers accompany the sample(s)? ☒ Yes ☐ No
- Were the custody papers relinquished & signed in the appropriate place? ☒ Yes ☐ No
- Did all bottles arrive in good condition (Unbroken)? ☒ Yes ☐ No
- Could all bottle labels be reconciled with the COC? ☒ Yes ☐ No
- Were correct bottle(s) used for the test(s) indicated? ☒ Yes ☐ No
- Sufficient quantity received to perform indicated analyses? ☒ Yes ☐ No
- Were sample(s) at the correct pH upon receipt? ☒ Yes ☐ No NA pH Strip Lot# HC391902
- Were VOAs on the COC? ☒ Yes ☐ No
- Were air bubbles >6 mm in any VOA vials? ☒ Yes ☐ No NA
- Was a trip blank present in the cooler(s)? ☒ Yes ☐ No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by:

Jessie Bonoi

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

CASE NARRATIVE

Client: Tetra Tech, Inc.

Project: MRC Block E

Report Number: 240-36327-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 4/19/2014 9:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0° C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples MRC-E-SB-1362-15 (240-36327-1), MRC-E-SB-1362-20 (240-36327-2), MRC-E-SB-1362-24 (240-36327-3), MRC-E-SB-1362-28 (240-36327-4), MRC-E-SB-1363-12 (240-36327-5), MRC-E-SB-1363-16 (240-36327-6), MRC-E-SB-1363-20 (240-36327-7), MRC-E-SB-1363-24 (240-36327-8), MRC-E-SB-1363-28 (240-36327-9), MRC-E-SB-1364-12 (240-36327-10), MRC-E-SB-1364-16 (240-36327-11), MRC-E-SB-1364-20 (240-36327-12), MRC-E-SB-1364-24 (240-36327-13), MRC-E-SB-1364-28 (240-36327-14), MRC-E-SB-1364-32 (240-36327-15) and TB-041814 (240-36327-16) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 04/23/2014 and 04/24/2014.

Samples MRC-E-SB-1363-12 (240-36327-5)[25X], MRC-E-SB-1363-20 (240-36327-7)[6.67X], MRC-E-SB-1364-12 (240-36327-10)[1000X], MRC-E-SB-1364-16 (240-36327-11)[1666.67X], MRC-E-SB-1364-20 (240-36327-12)[5000X], MRC-E-SB-1364-24 (240-36327-13)[6666.67X], MRC-E-SB-1364-28 (240-36327-14)[1000X] and MRC-E-SB-1364-32 (240-36327-15)[50X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the VOCs analysis. All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Tetra Tech, Inc.

Job Number: 240-36327-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-36327-1	MRC-E-SB-1362-15	Water	04/17/2014 1445	04/19/2014 0945
240-36327-2	MRC-E-SB-1362-20	Water	04/17/2014 1520	04/19/2014 0945
240-36327-3	MRC-E-SB-1362-24	Water	04/17/2014 1555	04/19/2014 0945
240-36327-4	MRC-E-SB-1362-28	Water	04/18/2014 0835	04/19/2014 0945
240-36327-5	MRC-E-SB-1363-12	Water	04/18/2014 0930	04/19/2014 0945
240-36327-6	MRC-E-SB-1363-16	Water	04/18/2014 0945	04/19/2014 0945
240-36327-7	MRC-E-SB-1363-20	Water	04/18/2014 1010	04/19/2014 0945
240-36327-8	MRC-E-SB-1363-24	Water	04/18/2014 1035	04/19/2014 0945
240-36327-9	MRC-E-SB-1363-28	Water	04/18/2014 1120	04/19/2014 0945
240-36327-10	MRC-E-SB-1364-12	Water	04/18/2014 1205	04/19/2014 0945
240-36327-11	MRC-E-SB-1364-16	Water	04/18/2014 1319	04/19/2014 0945
240-36327-12	MRC-E-SB-1364-20	Water	04/18/2014 1345	04/19/2014 0945
240-36327-13	MRC-E-SB-1364-24	Water	04/18/2014 1410	04/19/2014 0945
240-36327-14	MRC-E-SB-1364-28	Water	04/18/2014 1440	04/19/2014 0945
240-36327-15	MRC-E-SB-1364-32	Water	04/18/2014 1500	04/19/2014 0945
240-36327-16TB	TB-041814	Water	04/18/2014 0000	04/19/2014 0945

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-36327-1
 SDG No.: _____
 Lab File ID: UXJ7659.D Lab Sample ID: MB 240-127544/5
 Matrix: Water Heated Purge:(Y/N) N
 Instrument ID: A3UX11 Date Analyzed: 04/23/2014 10:57
 GC Column: DB-624 ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-127544/4	UXJ7656.D	04/23/2014 09:46
MRC-E-SB-1362-15	240-36327-1	UXJ7664.D	04/23/2014 12:53
MRC-E-SB-1362-20	240-36327-2	UXJ7665.D	04/23/2014 13:16
MRC-E-SB-1362-24	240-36327-3	UXJ7666.D	04/23/2014 13:40
MRC-E-SB-1362-28	240-36327-4	UXJ7667.D	04/23/2014 14:03
MRC-E-SB-1363-12	240-36327-5	UXJ7668.D	04/23/2014 14:27
MRC-E-SB-1363-16	240-36327-6	UXJ7669.D	04/23/2014 14:50
MRC-E-SB-1363-20	240-36327-7	UXJ7670.D	04/23/2014 15:13
MRC-E-SB-1363-24	240-36327-8	UXJ7671.D	04/23/2014 15:37
MRC-E-SB-1363-28	240-36327-9	UXJ7672.D	04/23/2014 16:00
MRC-E-SB-1364-32	240-36327-15	UXJ7678.D	04/23/2014 18:21
TB-041814	240-36327-16	UXJ7679.D	04/23/2014 18:45
MRC-E-SB-1364-32 MS	240-36327-15 MS	UXJ7680.D	04/23/2014 19:08
MRC-E-SB-1364-32 MSD	240-36327-15 MSD	UXJ7681.D	04/23/2014 19:36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 240-127544/5
 Matrix: Water Lab File ID: UXJ7659.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 04/23/2014 10:57
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 127544 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.23	U	1.0	0.23
71-55-6	1,1,1-Trichloroethane	0.22	U	1.0	0.22
79-34-5	1,1,2,2-Tetrachloroethane	0.18	U	1.0	0.18
76-13-1	1,1,2-Trichlorotrifluoroethane	0.28	U	1.0	0.28
75-34-3	1,1-Dichloroethane	0.15	U	1.0	0.15
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.13	U	1.0	0.13
87-61-6	1,2,3-Trichlorobenzene	0.17	U	1.0	0.17
96-18-4	1,2,3-Trichloropropane	0.43	U	1.0	0.43
526-73-8	1,2,3-Trimethylbenzene	0.0059	U	5.0	0.0059
120-82-1	1,2,4-Trichlorobenzene	0.15	U	1.0	0.15
95-63-6	1,2,4-Trimethylbenzene	0.12	U	1.0	0.12
96-12-8	1,2-Dibromo-3-Chloropropane	0.67	U	2.0	0.67
95-50-1	1,2-Dichlorobenzene	0.13	U	1.0	0.13
107-06-2	1,2-Dichloroethane	0.22	U	1.0	0.22
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	0.14	U	1.0	0.14
142-28-9	1,3-Dichloropropane	0.16	U	1.0	0.16
106-46-7	1,4-Dichlorobenzene	0.13	U	1.0	0.13
594-20-7	2,2-Dichloropropane	0.13	U	1.0	0.13
110-75-8	2-Chloroethyl vinyl ether	0.99	U	10	0.99
95-49-8	2-Chlorotoluene	0.11	U	1.0	0.11
591-78-6	2-Hexanone	0.41	U	10	0.41
108-86-1	Bromobenzene	0.13	U	1.0	0.13
74-97-5	Bromochloromethane	0.29	U	1.0	0.29
106-43-4	4-Chlorotoluene	0.18	U	1.0	0.18
99-87-6	4-Isopropyltoluene	0.12	U	1.0	0.12
67-64-1	Acetone	1.1	U	10	1.1
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.64	U	1.0	0.64
74-83-9	Bromomethane	0.41	U	1.0	0.41
75-15-0	Carbon disulfide	0.13	U	1.0	0.13
56-23-5	Carbon tetrachloride	0.13	U	1.0	0.13
108-90-7	Chlorobenzene	0.15	U	1.0	0.15
75-00-3	Chloroethane	0.29	U	1.0	0.29
67-66-3	Chloroform	0.16	U	1.0	0.16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 240-127544/5
 Matrix: Water Lab File ID: UXJ7659.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 04/23/2014 10:57
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 127544 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.30	U	1.0	0.30
156-59-2	cis-1,2-Dichloroethene	0.17	U	1.0	0.17
10061-01-5	cis-1,3-Dichloropropene	0.14	U	1.0	0.14
87-68-3	Hexachlorobutadiene	0.30	U	1.0	0.30
74-95-3	Dibromomethane	0.28	U	1.0	0.28
75-27-4	Bromodichloromethane	0.15	U	1.0	0.15
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.17	U	1.0	0.17
106-93-4	1,2-Dibromoethane	0.24	U	1.0	0.24
108-20-3	Diisopropyl ether	1.5	U	10	1.5
91-20-3	Naphthalene	0.24	U	1.0	0.24
179601-23-1	m-Xylene & p-Xylene	0.24	U	2.0	0.24
104-51-8	n-Butylbenzene	0.12	U	1.0	0.12
98-82-8	Isopropylbenzene	0.13	U	1.0	0.13
103-65-1	N-Propylbenzene	0.14	U	1.0	0.14
78-93-3	2-Butanone (MEK)	0.57	U	10	0.57
108-10-1	4-Methyl-2-pentanone (MIBK)	0.32	U	10	0.32
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.17	U	1.0	0.17
994-05-8	Tert-amyl methyl ether	0.067	U	5.0	0.067
75-09-2	Methylene Chloride	0.33	U	1.0	0.33
95-47-6	o-Xylene	0.14	U	1.0	0.14
100-42-5	Styrene	0.11	U	1.0	0.11
637-92-3	Ethyl-t-butyl ether (ETBE)	0.11	U	5.0	0.11
98-06-6	tert-Butylbenzene	0.13	U	1.0	0.13
127-18-4	Tetrachloroethene	0.29	U	1.0	0.29
108-88-3	Toluene	0.13	U	1.0	0.13
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	0.17	U	1.0	0.17
75-69-4	Trichlorofluoromethane	0.21	U	1.0	0.21
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.22	U	1.0	0.22
75-65-0	tert-Butyl alcohol	3.9	U	50	3.9
1330-20-7	Xylenes, Total	0.14	U	2.0	0.14
124-48-1	Chlorodibromomethane	0.18	U	1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 240-127544/5
Matrix: Water Lab File ID: UXJ7659.D
Analysis Method: 8260B Date Collected: _____
Sample wt/vol: 5(mL) Date Analyzed: 04/23/2014 10:57
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 127544 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		63-129
460-00-4	4-Bromofluorobenzene (Surr)	85		66-120
2037-26-5	Toluene-d8 (Surr)	92		74-120
1868-53-7	Dibromofluoromethane (Surr)	85		75-121

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

Lab Name: TestAmerica Canton Job No.: 240-36327-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 240-127544/5
Matrix: Water Lab File ID: UXJ7659.D
Analysis Method: 8260B Date Collected: _____
Sample wt/vol: 5 (mL) Date Analyzed: 04/23/2014 10:57
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 127544 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

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

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-36327-1
SDG No.: _____
Lab File ID: UXJ7687.D Lab Sample ID: MB 240-127716/5
Matrix: Water Heated Purge:(Y/N) N
Instrument ID: A3UX11 Date Analyzed: 04/24/2014 11:02
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 240-127716/4	UXJ7684.D	04/24/2014 09:52
MRC-E-SB-1364-12	240-36327-10	UXJ7688.D	04/24/2014 11:28
MRC-E-SB-1364-16	240-36327-11	UXJ7689.D	04/24/2014 11:51
MRC-E-SB-1364-20	240-36327-12	UXJ7690.D	04/24/2014 12:14
MRC-E-SB-1364-24	240-36327-13	UXJ7691.D	04/24/2014 12:38
MRC-E-SB-1364-28	240-36327-14	UXJ7692.D	04/24/2014 13:01
	240-36341-H-9 MS	UXJ7709.D	04/24/2014 19:40
	240-36341-E-9 MSD	UXJ7710.D	04/24/2014 20:02

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 240-127716/5
 Matrix: Water Lab File ID: UXJ7687.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 04/24/2014 11:02
 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.: 127716 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.23	U	1.0	0.23
71-55-6	1,1,1-Trichloroethane	0.22	U	1.0	0.22
79-34-5	1,1,2,2-Tetrachloroethane	0.18	U	1.0	0.18
76-13-1	1,1,2-Trichlorotrifluoroethane	0.28	U	1.0	0.28
75-34-3	1,1-Dichloroethane	0.15	U	1.0	0.15
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.13	U	1.0	0.13
87-61-6	1,2,3-Trichlorobenzene	0.17	U	1.0	0.17
96-18-4	1,2,3-Trichloropropane	0.43	U	1.0	0.43
526-73-8	1,2,3-Trimethylbenzene	0.0059	U	5.0	0.0059
120-82-1	1,2,4-Trichlorobenzene	0.15	U	1.0	0.15
95-63-6	1,2,4-Trimethylbenzene	0.12	U	1.0	0.12
96-12-8	1,2-Dibromo-3-Chloropropane	0.67	U	2.0	0.67
95-50-1	1,2-Dichlorobenzene	0.13	U	1.0	0.13
107-06-2	1,2-Dichloroethane	0.22	U	1.0	0.22
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	0.14	U	1.0	0.14
142-28-9	1,3-Dichloropropane	0.16	U	1.0	0.16
106-46-7	1,4-Dichlorobenzene	0.13	U	1.0	0.13
594-20-7	2,2-Dichloropropane	0.13	U	1.0	0.13
110-75-8	2-Chloroethyl vinyl ether	0.99	U	10	0.99
95-49-8	2-Chlorotoluene	0.11	U	1.0	0.11
591-78-6	2-Hexanone	0.41	U	10	0.41
108-86-1	Bromobenzene	0.13	U	1.0	0.13
74-97-5	Bromochloromethane	0.29	U	1.0	0.29
106-43-4	4-Chlorotoluene	0.18	U	1.0	0.18
99-87-6	4-Isopropyltoluene	0.12	U	1.0	0.12
67-64-1	Acetone	1.1	U	10	1.1
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.64	U	1.0	0.64
74-83-9	Bromomethane	0.41	U	1.0	0.41
75-15-0	Carbon disulfide	0.13	U	1.0	0.13
56-23-5	Carbon tetrachloride	0.13	U	1.0	0.13
108-90-7	Chlorobenzene	0.15	U	1.0	0.15
75-00-3	Chloroethane	0.29	U	1.0	0.29
67-66-3	Chloroform	0.16	U	1.0	0.16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 240-127716/5

Matrix: Water Lab File ID: UXJ7687.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 04/24/2014 11:02

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.: 127716 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.30	U	1.0	0.30
156-59-2	cis-1,2-Dichloroethene	0.17	U	1.0	0.17
10061-01-5	cis-1,3-Dichloropropene	0.14	U	1.0	0.14
87-68-3	Hexachlorobutadiene	0.30	U	1.0	0.30
74-95-3	Dibromomethane	0.28	U	1.0	0.28
75-27-4	Bromodichloromethane	0.15	U	1.0	0.15
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.17	U	1.0	0.17
106-93-4	1,2-Dibromoethane	0.24	U	1.0	0.24
108-20-3	Diisopropyl ether	1.5	U	10	1.5
91-20-3	Naphthalene	0.24	U	1.0	0.24
179601-23-1	m-Xylene & p-Xylene	0.24	U	2.0	0.24
104-51-8	n-Butylbenzene	0.12	U	1.0	0.12
98-82-8	Isopropylbenzene	0.13	U	1.0	0.13
103-65-1	N-Propylbenzene	0.14	U	1.0	0.14
78-93-3	2-Butanone (MEK)	0.57	U	10	0.57
108-10-1	4-Methyl-2-pentanone (MIBK)	0.32	U	10	0.32
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.17	U	1.0	0.17
994-05-8	Tert-amyl methyl ether	0.067	U	5.0	0.067
75-09-2	Methylene Chloride	0.33	U	1.0	0.33
95-47-6	o-Xylene	0.14	U	1.0	0.14
100-42-5	Styrene	0.11	U	1.0	0.11
637-92-3	Ethyl-t-butyl ether (ETBE)	0.11	U	5.0	0.11
98-06-6	tert-Butylbenzene	0.13	U	1.0	0.13
127-18-4	Tetrachloroethene	0.29	U	1.0	0.29
108-88-3	Toluene	0.13	U	1.0	0.13
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	0.17	U	1.0	0.17
75-69-4	Trichlorofluoromethane	0.21	U	1.0	0.21
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.22	U	1.0	0.22
75-65-0	tert-Butyl alcohol	3.9	U	50	3.9
1330-20-7	Xylenes, Total	0.14	U	2.0	0.14
124-48-1	Chlorodibromomethane	0.18	U	1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-36327-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 240-127716/5
Matrix: Water Lab File ID: UXJ7687.D
Analysis Method: 8260B Date Collected: _____
Sample wt/vol: 5 (mL) Date Analyzed: 04/24/2014 11:02
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.: 127716 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		63-129
460-00-4	4-Bromofluorobenzene (Surr)	83		66-120
2037-26-5	Toluene-d8 (Surr)	88		74-120
1868-53-7	Dibromofluoromethane (Surr)	84		75-121

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

Lab Name: TestAmerica Canton Job No.: 240-36327-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 240-127716/5
Matrix: Water Lab File ID: UXJ7687.D
Analysis Method: 8260B Date Collected: _____
Sample wt/vol: 5(mL) Date Analyzed: 04/24/2014 11:02
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.: 127716 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

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