

# *Premier Environmental Services*

DATA VALIDATION SUMMARY REPORT  
OF THE  
LAWRENCE AVIATION SUPERFUND SITE  
PORT JEFFERSON, NY

ORGANIC ANALYSES  
IN AQUEOUS SAMPLES

TEST AMERICA LABORATORIES, INC.  
SOUTH BURLINGTON, VT

SDG NUMBER: 136424

June, 2010

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<b>DATA VALIDATION FOR:</b>	<b>Volatile Organic Compounds (VOC's)</b>
<b>SITE:</b>	<b>Lawrence Aviation Superfund Site</b>
<b>CONTRACT LAB:</b>	<b>Test America Laboratories, Inc. South Burlington, VT</b>
<b>PROJECT NO.:</b>	<b>136424</b>
<b>REVIEWER:</b>	<b>Rencee Cohen</b>
<b>DATE REVIEW COMPLETED:</b>	<b>May, 2010</b>
<b>MATRIX:</b>	<b>Aqueous</b>

The data validation was performed according to the guidelines in the USEPA National Functional Guidelines for Superfund Organic Methods Data Review (EPA-540-R-08-01, June 2008). All data are considered valid and acceptable except those analytes which have been deemed unusable "R" (unreliable). Due to various QC problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All actions are detailed on the attached sheets.

Table 1 of this report includes a cross reference between the field sample ID and laboratory sample ID used to perform data validation. Definitions of the data qualifiers that may be used in this report are located in Appendix A of this report. Qualified data result pages are located in Appendix B of this report. Copies of the Chain of Custody (COC) documents are located in Appendix C of this report.

This sample set included fourteen (14) aqueous samples and one (1) Trip Blank sample. This data assessment is for the organic analyses listed on the COC documents that accompanied the samples to the laboratory. The samples were collected March 17, 2010. The samples were received at Test America Laboratories located in South Burlington, VT. Samples were received at the laboratory on March 19, 2010 for the analyses requested on the COC documentation. The samples in this data set were analyzed for Volatile Organic Analytes (VOA) in accordance with USEPA CLP Method SOM01.2 for trace level analyses.

## **ORGANIC DATA ASSESSMENT**

### **1. OVERVIEW:**

Samples associated with this data set were analyzed for Volatile Organic Analytes (VOA) as noted by the COC documentation that accompanied the sample set to the laboratory. All analyses were performed in accordance with USEPA CLP Methods SOM01.2 for Low Level Soil sample analyses and USEPA CLP Method SOM01.2 for Trace Level Water Analyses. Test America Laboratories generated a stand-alone report for each sample matrix in compliance with the cited documents. A summary of the applicable QC will be discussed at each section of the report.

Laboratory report 136424 consists of fourteen (14) aqueous samples and one (1) Trip Blank sample. The Chain of Custody documents listed the field sample ID's that are summarized in Table 1 of this report. All of the samples in this data set were analyzed for Trace Level Volatile Organic Analytes.

### **2. HOLDING TIME:**

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. The USEPA CLP method specifies Technical Holding times for aqueous and solid and soil samples. The Technical Holding Time is based on collection date. The holding time for a properly preserved aqueous sample that is cooled and pH preserved to 2 or below is fourteen (14) days from sample collection. The holding time for non-aqueous samples that are properly cooled and preserved with NaHSO<sub>4</sub> is fourteen (14) days from sample collection.

The samples in laboratory report 136464 were collected March 17, 2010 and received at the laboratory on March 19, 2010. All of the aqueous field sample analyses associated with this data set were completed by March 24, 2010. All sample analyses were completed within the method holding time.

## ORGANIC DATA ASSESSMENT

### 3. SURROGATES:

Samples to be analyzed for Volatile Organic Analytes (VOA) are fortified with either thirteen (13) or fourteen (14) Deuterated Monitoring Compounds (DMC's). These DMC's are added to each sample prior to sample purging. The method recommended Deuterated Monitoring Surrogate Compounds include:

Vinyl Chloride-d3	Chloroethane-d5
1,1-Dichloroethene-d2	2-Butanone-d5
Chloroform-d	1,2-Dichloroethane-d4
Benzene-d6	1,2-Dichloropropane-d6
Toluene-d8	trans-1,3-Dichloropropene-d4
2-Hexanone-d5	1,4-Dioxane-d8**
1,1,2,2-Tetrachloroethane-d2	1,2-Dichlorobenzene-d4

\*\* only reported in the low/medium non-aqueous Volatile Organic Analyses.

The laboratory reported CLP method specified recovery limits that are cited for both aqueous and non-aqueous samples reported in this data set. 1,4-Dioxane-d8 is not added as a Deuterated Monitoring Compound (DMC) in the Trace Volatile Organic Analyses associated with this data set.

Each of the aqueous samples in this data set was fortified with thirteen (13) DMC's prior to analysis. The method cites recovery limits for each surrogate. The percent recovery of each surrogate met the method specified QC criteria in each of the field and QC samples associated with this data set with the exception of the surrogate compound 1,2-Dichloroethane-d4 in samples:

D=0 1.5% MEDIUM, D=0 1.75% MEDIUM, D=0 1.75% HIGH, D=0 2.0% MEDIUM, D=0 2.0% HIGH

The recovery of this surrogate in these samples was above QC limits. Based on the cited validation guidelines the target analytes associated with 1,2-Dichloroethane-d4 have been qualified "J" when detected in these samples.

Qualified data result pages are located in Appendix B of this report.

### 4. MATRIX SPIKE/SPIKE DUPLICATE, MS/MSD:

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis. The MS/MSD may be used in conjunction with other QC criteria for additional qualification of data.

Site Specific MS/MSD analysis was not reported with the samples in this data set.

## ORGANIC DATA ASSESSMENT

### 5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, such as the method, trip, field, or rinse blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Samples were only qualified with those QC samples associated with the particular blank.

This method requires the preparation and analysis of a laboratory storage blank. This laboratory storage blank is kept with the site samples and analyzed with the site samples.

#### A) Method Blank contamination

Three (3) method blank samples are associated with the Trace Level Volatile Organic analyses (aqueous samples) in this data set. Each of these method blank samples was free from contamination of target analytes with the exception of the following:

VBLK ID	Date of Analysis	Analyte	Concentration
VBLKMO	3/21/10	1,2,3-Trichlorobenzene	0.20 J
		Unknown	Retention Time: 10.39
VBLKMP	3/22/10	Unknown	Retention Time: 10.40
VBLKJR	3/24/10	Acetone	1.2
		Unknown	Retention Time: 7.01

Each of these method blank samples contained one (1) unknown Tentatively Identified Compound (TIC). This TIC has been qualified "J" estimated and "X" to indicate a contaminant this is related to the Deuterated Monitoring Compound (DMC) and column bleed. When the associated target analytes and this unknown Tentatively Identified Compound were detected in the aqueous samples they have been negated and qualified "U".

Qualified data result pages are located in Appendix B of this report.

The aqueous storage blank sample associated with the soils in this data set is identified as VHBLK01. This storage blank sample is free from contamination of target analytes. This storage blank sample contains one (1) TIC at Retention Time 7:02 (2.1 JXB ug/l). This is the TIC that was identified in the associated method blank sample and been previously negated in each of the aqueous samples and qualified "U".

#### B) Field or Equipment Rinse Blank (ERB) contamination

A Field Blank sample is not associated with this data set.

#### C) Trip Blank contamination

The Trip Blank sample (823203) was analyzed with this data set. The Trip Blank sample was free from contamination of all target analytes. One (1) unknown TIC at retention time 10.40 was detected in this sample. This unknown was also detected in the associated method blank sample. This unknown TIC has been qualified "BJ" estimated and "X" to indicate a contaminant this is related column bleed. This unknown compound has been negated and qualified "U".

## **ORGANIC DATA ASSESSMENT**

### **6. GC/MS CALIBRATION:**

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument is giving satisfactory daily performance. USEPA CLP method states the concentration levels of target analytes that must be analyzed and reported for Initial Calibration of the GC/MS.

#### **A) RESPONSE FACTOR**

**Trace Volatile Organic Analysis** - The response factor measures the instrument's response to specific chemical compounds. USEPA CLP criteria of the cited method requires that the response factor of all target analytes listed in Table 3 and the DMC's must be greater than or equal to 0.010. All other target analytes must have an RRF greater than or equal to 0.050 in both initial and continuing calibration analyses. Target analytes are qualified if the minimum RRF criteria are not in either the initial calibration analysis or the opening and closing continuing calibration standard analysis. Positive results are qualified "J". Non-detect results are qualified if the minimum RRF <0.050 (or 0.010 for specifics) are qualified "R", unusable

**Trace Level Volatile Organic Analysis** - The laboratory performed an aqueous (Trace Volatile Organic Analysis) initial calibration on March 17, 2010 (Inst. M.i). The laboratory summarized the RRF data on the CLP Form 6A. The laboratory included all raw data and instrument summary forms in the data report for review. The RRF of all target compounds met QC criteria in this initial calibration curve analysis.

A second calibration curve analysis was performed on March 23, 2010 (Inst. J.i). The laboratory summarized the RRF data on the CLP Form 6A. The laboratory included all raw data and instrument summary forms in the data report for review. The RRF of all target compounds met QC criteria in this initial calibration curve analysis.

The aqueous samples in this data set were analyzed on three (3) days. An opening and closing CCV standard is reported on each day of analysis. The RRF criteria for each of the opening and closing CCV standards met the QC criteria specified in the cited data validation guidelines.



## **ORGANIC DATA ASSESSMENT**

### **6. GC/MS CALIBRATION (cont'd):**

#### **B) PERCENT RELATIVE STANDARD DEVIATION (RSD) AND PERCENT DIFFERENCE (%D):**

**Trace Volatile Organic Analyses - Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the compounds in the continuing calibration standard to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. US EPA data validation criteria states that the percent RSD must be less than or equal to 40% for the volatile compounds and surrogate compounds listed in Table 3 and there associated Deuterated Monitoring compounds. All other %RSD must be less than or equal to 30% in the initial calibration curve analysis.**

**The %D in the opening CCV standard must be <40% for the compounds listed in Table 3 of the method. All other volatile organic compounds have a criteria <50% in the closing continuing calibration standard. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects may be flagged "UJ", based on professional judgment. If %RSD and %D grossly exceed QC criteria (>90%), non-detects data may be qualified "R", unusable.**

**Trace Volatile Organic Analyses - The laboratory performed an aqueous (Trace Volatile Organic Analysis) initial calibration on March 17, 2010 (Inst. M.i). The laboratory summarized the %RSD data on the CLP Form 6A. The laboratory included all raw data and instrument summary forms in the data report for review. The %RSD of all target compounds met QC criteria in this initial calibration curve analysis.**

**A second calibration curve analysis was performed on March 23, 2010 (Inst. J.i). The laboratory summarized the %RSD data on the CLP Form 6A. The laboratory included all raw data and instrument summary forms in the data report for review. The %RSD of all target compounds met QC criteria in this initial calibration curve analysis.**

**The aqueous samples in this data set were analyzed on three (3) days. An opening and closing CCV standard is reported on each day of analysis. The %Difference criteria for each of the opening and closing CCV standards met the QC criteria specified in the cited data validation guidelines.**

### **7. GC/MS MASS SPECTROMETER TUNING:**

**Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds, and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is Bromofluorobenzene (BFB).**

**The tune criteria listed in the data report met or exceeded that required by the method. All tuning criteria associated with these sample analyses were met.**

## ORGANIC DATA ASSESSMENT

### 8. GC/MS INTERNAL STANDARDS PERFORMANCE:

Internal standard (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every run. The method recommends that the internal standard area count must not vary by more than a factor of 2 (-50% to +100%) from the associated continuing calibration standard. The method recommends that the retention time of the internal standard must not vary more than  $\pm 30$  seconds from the associated continuing calibration standard. The EPA CLP validation guidelines state that if the area count is outside the (-50% to +100%) range of the associated standard, all of the positive results for compounds quantitated using that IS are qualified estimated, "J", and all non-detects below 50% are qualified "UJ", non-detects above 100% should not be qualified or "R" if there is a severe loss of sensitivity. The internal standard area count evaluation criteria are applied to all field and QC samples.

All samples were spiked with the internal standards Chlorobenzene-d5, 1,4-Difluorobenzene and 1,4-Dichlorobenzene-d4 prior to analysis. The area counts and retention time of each internal standard met QC criteria in all field samples and QC samples associated with this data set.

### 9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within  $\pm 0.06$  RRT units of the standard compound, and have an ion spectra which has a ratio of the primary and secondary ion intensities with 20% of that in the standard compound. The laboratory reported each sample to the Contract Required Quantitation Limit (CRQL) listed in the cited method.

Fourteen (14) aqueous samples and one (1) Trip Blank sample are associated with this data set. The samples were analyzed using USEPA CLP Method SOM01.2. Tentatively Identified Compounds (TIC's) were reported when detected with this data set.

The following samples were initially analyzed with at a secondary dilution to report the concentration of target analytes on March 21, 2010. The laboratory performed a more concentrated analysis on March 22, 2010 to report the other target analytes with a lower detection limit.

D=0 1.5% MEDIUM  
D=0 1.5% HIGH  
D=0 1.75% MEDIUM  
D=0 1.75% HIGH  
D=0 2.0% MEDIUM  
D=0 2.0% HIGH

Sample D=0 1.5% MEDIUM was analyzed and reported using a 1:4.9 dilution in order to report target analytes at the lowest reporting limit. In this analysis the concentration of Trichloroethene exceeded the calibration range of the GC/MS. The sample was initially analyzed using a 1:56.4 dilution to report the concentration of Trichloroethene (600 D ug/l) detected at this sample point.

Sample D=0 1.5% HIGH was analyzed and reported using a 1:3.9 dilution in order to report target analytes at the lowest reporting limit. In this analysis the concentration of Trichloroethene exceeded the calibration range of the GC/MS. The sample was initially analyzed using a 1:44 dilution to report the concentration of Trichloroethene (480 D ug/l) detected at this sample point.



## ORGANIC DATA ASSESSMENT

### 9. COMPOUND IDENTIFICATION (cont'd):

Sample D=0 1.75% MEDIUM was analyzed and reported using a 1:4.9 dilution in order to report target analytes at the lowest reporting limit. In this analysis the concentration of Trichloroethene exceeded the calibration range of the GC/MS. The sample was initially analyzed using a 1:57.1 dilution to report the concentration of Trichloroethene (630 D ug/l) detected at this sample point.

Sample D=0 1.75% HIGH was analyzed and reported using a 1:4.1 dilution in order to report target analytes at the lowest reporting limit. In this analysis the concentration of Trichloroethene exceeded the calibration range of the GC/MS. The sample was initially analyzed using a 1:47.6 dilution to report the concentration of Trichloroethene (570 D ug/l) detected at this sample point.

Sample D=0 2.0% HIGH was analyzed and reported using a 1:4.7 dilution in order to report target analytes at the lowest reporting limit. In this analysis the concentration of Trichloroethene exceeded the calibration range of the GC/MS. The sample was initially analyzed using a 1:53.7 dilution to report the concentration of Trichloroethene (570 D ug/l) detected at this sample point.

Sample D=0 2.0% MEDIUM was analyzed and reported using a 1:5 dilution in order to report target analytes at the lowest reporting limit. In this analysis the concentration of Trichloroethene exceeded the calibration range of the GC/MS. The sample was initially analyzed using a 1:57.1 dilution to report the concentration of Trichloroethene (670 D ug/l) detected at this sample point.

Sample D=0 CONTROL was analyzed and reported using a 1:5.5 dilution in order to report target analytes at the lowest reporting limit. In this analysis the concentration of Trichloroethene exceeded the calibration range of the GC/MS. The sample was initially analyzed using a 1:63.8 dilution to report the concentration of Trichloroethene (920 D ug/l) detected at this sample point.

Sample D=3 1.5% MEDIUM was analyzed and reported without dilution. In this analysis the concentration of Methylene Chloride exceeded the calibration range of the GC/MS. The sample was initially analyzed using a 1:1.9 dilution to report the concentration of Methylene Chloride (22 D ug/l) detected at this sample point.

Sample D=3 1.75% MEDIUM was analyzed and reported without dilution. In this analysis the concentration of Methylene Chloride exceeded the calibration range of the GC/MS. The sample was initially analyzed using a 1:2 dilution to report the concentration of Methylene Chloride (21 D ug/l) detected at this sample point.

Sample D=3 CONTROL was analyzed and reported using a 1:5.4 dilution in order to report target analytes at the lowest reporting limit. In this analysis the concentration of Trichloroethene exceeded the calibration range of the GC/MS. The sample was initially analyzed using a 1:62.9 dilution to report the concentration of Trichloroethene (880 D ug/l) detected at this sample point.

## **ORGANIC DATA ASSESSMENT**

### **10. FIELD DUPLICATE ANALYSES:**

Field duplicate samples are collected and analyzed as an indication of overall precision. Field duplicate results are expected to have more variability than laboratory duplicate samples. Field duplicate samples are not associated with this data set.

### **11. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT**

Analytical/method QC criteria was met for these analyses except where explained in the laboratory case narrative and the detailed in this validation report. The data reported by the laboratory agrees with the raw data provided in the final report. The laboratory provided a complete data package and reported all data using acceptable protocols and laboratory qualifiers as defined in the report package. All QC anomalies associated with this data set have been explained in the above sections of this data validation report.

All sample results are reported to the method detection limit except where detailed above. Reporting limits and positive results are adjusted based on the sample volume/weight utilized for each extraction procedure. All data provided for this data set is acceptable for use, with noted data qualifiers.

Appendix B of this report contains copies of qualified data result pages.

## TABLE 1

**FIELD SAMPLE ID****LABORATORY ID**

D=0 1.5% MEDIUM	823189
D=0 1.5% HIGH	823190
D=0 1.75% MEDIUM	823191
D=0 1.75% HIGH	823192
D=0 2.0% MEDIUM	823193
D=0 2.0% HIGH	823194
D=0 CONTROL	823195
D=3 1.5% MEDIUM	823196
D=3 1.5% HIGH	823197
D=3 1.75% MEDIUM	823198
D=3 1.75% HIGH	823199
D=3 2.0% MEDIUM	823200
D=3 2.0% HIGH	823201
D=0 CONTROL	823202
TRIP BLANK	823203
VHBLK01	823204

## **APPENDIX A**

## **DATA QUALIFIER DEFINITIONS**

**U** - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

**J** - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

**N** - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification.”

**NJ** - The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.

**UJ** - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

**R** - The sample results are unreliable/unusable. The presence or absence of the analyte cannot be verified.

**K** - The analyte is present. The reported value may be biased high. The actual value is expected to be lower than reported.

**L** - The analyte is present. The reported value may be biased low. The actual value is expected to be higher than reported.

**UL** - The analyte was not detected, and the reported quantitation limit is probably higher than reported.

## **APPENDIX B**



1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D01.5HIGH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823190

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823190D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 3.9

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	2.0	U
74-87-3	Chloromethane	2.0	U
75-01-4	Vinyl chloride	2.0	U
74-83-9	Bromomethane	2.0	U
75-00-3	Chloroethane	2.0	U
75-69-4	Trichlorofluoromethane	2.0	U
75-35-4	1,1-Dichloroethene	2.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U
67-64-1	Acetone	18	J
75-15-0	Carbon disulfide	2.0	U
79-20-9	Methyl acetate	2.0	U
75-09-2	Methylene chloride	2.6	U
156-60-3	trans-1,2-Dichloroethene	2.0	U
1634-04-4	Methyl tert-butyl ether	2.0	U
75-34-3	1,1-Dichloroethane	2.0	U
156-59-2	cis-1,2-Dichloroethene	2.0	U
78-93-3	2-Butanone	20	U
74-97-5	Bromochloromethane	2.0	U
67-66-3	Chloroform	2.0	U
71-55-6	1,1,1-Trichloroethane	2.0	U
110-82-7	Cyclohexane	2.0	U
56-23-5	Carbon tetrachloride	2.0	U
71-43-2	Benzene	2.0	U
107-06-2	1,2-Dichloroethane	2.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.  
D01.5HIGH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLTV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823190

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823190D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

GC Column: DB-624

ID: 0.53

(mm)

Dilution Factor: 3.9

Soil Extract Volume:

(uL)

Soil Aliquot Volume:

(uL)

Purge Volume: 25.0

(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	2.0	U
74-87-3	Chloromethane	2.0	U
75-01-4	Vinyl chloride	2.0	U
74-83-9	Bromomethane	2.0	U
75-00-3	Chloroethane	2.0	U
75-69-4	Trichlorofluoromethane	2.0	U
75-35-4	1,1-Dichloroethene	2.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U
67-64-1	Acetone	18	J
75-15-0	Carbon disulfide	2.0	U
79-20-9	Methyl acetate	2.0	U
75-09-2	Methylene chloride	2.6	U
156-60-5	trans-1,2-Dichloroethene	2.0	U
1634-04-4	Methyl tert-butyl ether	2.0	U
75-34-3	1,1-Dichloroethane	2.0	U
156-59-2	cis-1,2-Dichloroethene	2.0	U
78-93-3	2-Butanone	20	U
74-97-5	Bromochloromethane	2.0	U
67-66-3	Chloroform	2.0	U
71-55-6	1,1,1-Trichloroethane	2.0	U
110-82-7	Cyclohexane	2.0	U
56-23-5	Carbon tetrachloride	2.0	U
71-43-2	Benzene	2.0	U
107-06-2	1,2-Dichloroethane	2.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.  
D01.5HIGH

Lab Name: TESTAMERICA BURLINGTON Contract: 29000  
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424  
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823190  
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823190D2  
Level: (TRACE/LOW/MED) TRACE Date Received: 03/19/2010  
% Moisture: not dec. Date Analyzed: 03/22/2010  
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 3.9  
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)  
Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	380	E
108-87-2	Methylcyclohexane	2.0	U
78-87-5	1,2-Dichloropropane	2.0	U
75-27-4	Bromodichloromethane	2.0	U
10061-01-5	cis-1,3-Dichloropropene	2.0	U
108-10-1	4-Methyl-2-pentanone	20	U
108-88-3	Toluene	2.0	U
10061-02-6	trans-1,3-Dichloropropene	2.0	U
79-00-5	1,1,2-Trichloroethane	2.0	U
127-18-4	Tetrachloroethene	4.8	
591-78-6	2-Hexanone	20	U
124-48-1	Dibromochloromethane	2.0	U
106-93-4	1,2-Dibromoethane	2.0	U
108-90-7	Chlorobenzene	2.0	U
100-41-4	Ethylbenzene	2.0	U
95-47-6	o-Xylene	2.0	U
179601-23-1	m,p-Xylene	2.0	U
100-42-5	Styrene	2.0	U
75-25-2	Bromoform	2.0	U
98-82-8	Isopropylbenzene	2.0	U
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U
541-73-1	1,3-Dichlorobenzene	2.0	U
106-46-7	1,4-Dichlorobenzene	2.0	U
95-50-1	1,2-Dichlorobenzene	2.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U
120-82-1	1,2,4-Trichlorobenzene	2.0	U
87-61-6	1,2,3-Trichlorobenzene	2.0	U

SOM01.2

1J - FORM I VOA-TIC  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.  D01.5HIGH
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Lab Name: TESTAMERICA BURLINGTON Contract: 29000  
 Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424  
 Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823190  
 Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823190D2  
 Level: (TRACE or LOW/MED) TRACE Date Received: 03/19/2010  
 % Moisture: not dec. Date Analyzed: 03/22/2010  
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 3.9  
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)  
 CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	=====	=====	=====	=====	=====
01		Unknown	10.40	15	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D01.5HIGHDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823190D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823190D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 44.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	22	U
74-87-3	Chloromethane	22	U
75-01-4	Vinyl chloride	22	U
74-83-9	Bromomethane	22	U
75-00-3	Chloroethane	22	U
75-69-4	Trichlorofluoromethane	22	U
75-35-4	1,1-Dichloroethene	22	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	22	U
67-64-1	Acetone	220	U
75-15-0	Carbon disulfide	22	U
79-20-9	Methyl acetate	22	U
75-09-2	Methylene chloride	22	U
156-60-5	trans-1,2-Dichloroethene	22	U
1634-04-4	Methyl tert-butyl ether	22	U
75-34-3	1,1-Dichloroethane	22	U
156-59-2	cis-1,2-Dichloroethene	22	U
78-93-3	2-Butanone	220	U
74-97-5	Bromochloromethane	22	U
67-66-3	Chloroform	22	U
71-55-6	1,1,1-Trichloroethane	22	U
110-82-7	Cyclohexane	22	U
56-23-5	Carbon tetrachloride	22	U
71-43-2	Benzene	22	U
107-06-2	1,2-Dichloroethane	22	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D01.5HIGHDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823190D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823190D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 44.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	480	D
108-87-2	Methylcyclohexane	22	U
78-87-5	1,2-Dichloropropane	22	U
75-27-4	Bromodichloromethane	22	U
10061-01-5	cis-1,3-Dichloropropene	22	U
108-10-1	4-Methyl-2-pentanone	220	U
108-88-3	Toluene	22	U
10061-02-6	trans-1,3-Dichloropropene	22	U
79-00-5	1,1,2-Trichloroethane	22	U
127-18-4	Tetrachloroethene	22	U
591-78-6	2-Hexanone	220	U
124-48-1	Dibromochloromethane	22	U
106-93-4	1,2-Dibromoethane	22	U
108-90-7	Chlorobenzene	22	U
100-41-4	Ethylbenzene	22	U
95-47-6	o-Xylene	22	U
179601-23-1	m,p-Xylene	22	U
100-42-5	Styrene	22	U
75-25-2	Bromoform	22	U
98-82-8	Isopropylbenzene	22	U
79-34-5	1,1,2,2-Tetrachloroethane	22	U
541-73-1	1,3-Dichlorobenzene	22	U
106-46-7	1,4-Dichlorobenzene	22	U
95-50-1	1,2-Dichlorobenzene	22	U
96-12-8	1,2-Dibromo-3-chloropropane	22	U
120-82-1	1,2,4-Trichlorobenzene	22	U
87-61-6	1,2,3-Trichlorobenzene	22	U

SOM01.2

1J - FORM I VOA-TIC  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.  
D01.5HIGHDL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000  
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424  
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823190D1  
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823190D  
Level: (TRACE or LOW/MED) TRACE Date Received: 03/19/2010  
% Moisture: not dec. Date Analyzed: 03/21/2010  
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 44.0  
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)  
CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02		<del>Unknown</del>	<del>10.39</del>	<del>160</del>	<del>JXBD</del>
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		
	(1) EPA-designated Registry Number.				

SOM01.2



1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D01.5MED

Lab Name: TESTAMERICA BURLINGTON Contract: 29000  
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424  
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823189  
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823189D2  
Level: (TRACE/LOW/MED) TRACE Date Received: 03/19/2010  
% Moisture: not dec. Date Analyzed: 03/22/2010  
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 4.9  
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)  
Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	2.5	U
74-87-3	Chloromethane	2.5	U
75-01-4	Vinyl chloride	2.5	U
74-83-9	Bromomethane	2.5	U
75-00-3	Chloroethane	2.5	U
75-69-4	Trichlorofluoromethane	2.5	U
75-35-4	1,1-Dichloroethene	2.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.5	U
67-64-1	Acetone	17	J
75-15-0	Carbon disulfide	2.5	U
79-20-9	Methyl acetate	2.5	U
75-09-2	Methylene chloride	2.8	U
156-60-5	trans-1,2-Dichloroethene	2.5	U
1634-04-4	Methyl tert-butyl ether	2.5	U
75-34-3	1,1-Dichloroethane	2.5	U
156-59-2	cis-1,2-Dichloroethene	1.1	J
78-93-3	2-Butanone	25	U
74-97-5	Bromochloromethane	2.5	U
67-66-3	Chloroform	2.5	U
71-55-6	1,1,1-Trichloroethane	2.5	U
110-82-7	Cyclohexane	2.5	U
56-23-5	Carbon tetrachloride	2.5	U
71-43-2	Benzene	2.5	U
107-06-2	1,2-Dichloroethane	2.5	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D01.5MED

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823189

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823189D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 4.9

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	490	E
108-87-2	Methylcyclohexane	2.5	U
78-87-5	1,2-Dichloropropane	2.5	U
75-27-4	Bromodichloromethane	2.5	U
10061-01-5	cis-1,3-Dichloropropene	2.5	U
108-10-1	4-Methyl-2-pentanone	25	U
108-88-3	Toluene	2.5	U
10061-02-6	trans-1,3-Dichloropropene	2.5	U
79-00-5	1,1,2-Trichloroethane	2.5	U
127-18-4	Tetrachloroethene	5.1	
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	2.5	U
106-93-4	1,2-Dibromoethane	2.5	U
108-90-7	Chlorobenzene	2.5	U
100-41-4	Ethylbenzene	2.5	U
95-47-6	o-Xylene	2.5	U
179601-23-1	m,p-Xylene	2.5	U
100-42-5	Styrene	2.5	U
75-25-2	Bromoform	2.5	U
98-82-8	Isopropylbenzene	2.5	U
79-34-5	1,1,2,2-Tetrachloroethane	2.5	U
541-73-1	1,3-Dichlorobenzene	2.5	U
106-46-7	1,4-Dichlorobenzene	2.5	U
95-50-1	1,2-Dichlorobenzene	2.5	U
96-12-8	1,2-Dibromo-3-chloropropane	2.5	U
120-82-1	1,2,4-Trichlorobenzene	2.5	U
87-61-6	1,2,3-Trichlorobenzene	2.5	U

SOM01.2

1J - FORM I VOA-TIC  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

D01.5MED

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823189

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823189D2

Level: (TRACE or LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

GC Column: DB-624

ID: 0.53

(mm)

Dilution Factor: 4.9

Soil Extract Volume:

(uL)

Soil Aliquot Volume:

(uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L

Purge Volume: 25.0

(mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	=====	=====	=====	=====	=====
01		Unknown	10.40	21	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.  
D01.5MEDDL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000  
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424  
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823189D1  
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823189D  
Level: (TRACE/LOW/MED) TRACE Date Received: 03/19/2010  
% Moisture: not dec. Date Analyzed: 03/21/2010  
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 56.4  
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)  
Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	28	U
74-87-3	Chloromethane	28	U
75-01-4	Vinyl chloride	28	U
74-83-9	Bromomethane	28	U
75-00-3	Chloroethane	28	U
75-69-4	Trichlorofluoromethane	28	U
75-35-4	1,1-Dichloroethene	28	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	28	U
67-64-1	Acetone	280	U
75-15-0	Carbon disulfide	28	U
79-20-9	Methyl acetate	28	U
75-09-2	Methylene chloride	28	U
156-60-5	trans-1,2-Dichloroethene	28	U
1634-04-4	Methyl tert-butyl ether	28	U
75-34-3	1,1-Dichloroethane	28	U
156-59-2	cis-1,2-Dichloroethene	28	U
78-93-3	2-Butanone	280	U
74-97-5	Bromochloromethane	28	U
67-66-3	Chloroform	28	U
71-55-6	1,1,1-Trichloroethane	28	U
110-82-7	Cyclohexane	28	U
56-23-5	Carbon tetrachloride	28	U
71-43-2	Benzene	28	U
107-06-2	1,2-Dichloroethane	28	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D01.5MEDDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823189D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823189D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 56.4

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	600	D
108-87-2	Methylcyclohexane	28	U
78-87-5	1,2-Dichloropropane	28	U
75-27-4	Bromodichloromethane	28	U
10061-01-5	cis-1,3-Dichloropropene	28	U
108-10-1	4-Methyl-2-pentanone	280	U
108-88-3	Toluene	28	U
10061-02-6	trans-1,3-Dichloropropene	28	U
79-00-5	1,1,2-Trichloroethane	28	U
127-18-4	Tetrachloroethene	28	U
591-78-6	2-Hexanone	280	U
124-48-1	Dibromochloromethane	28	U
106-93-4	1,2-Dibromoethane	28	U
108-90-7	Chlorobenzene	28	U
100-41-4	Ethylbenzene	28	U
95-47-6	o-Xylene	28	U
179601-23-1	m,p-Xylene	28	U
100-42-5	Styrene	28	U
75-25-2	Bromoform	28	U
98-82-8	Isopropylbenzene	28	U
79-34-5	1,1,2,2-Tetrachloroethane	28	U
541-73-1	1,3-Dichlorobenzene	28	U
106-46-7	1,4-Dichlorobenzene	28	U
95-50-1	1,2-Dichlorobenzene	28	U
96-12-8	1,2-Dibromo-3-chloropropane	28	U
120-82-1	1,2,4-Trichlorobenzene	28	U
87-61-6	1,2,3-Trichlorobenzene	28	U

SOM01.2



1J - FORM I VOA-TIC  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.  
D01.5MEDDL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000  
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424  
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823189D1  
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823189D  
Level: (TRACE or LOW/MED) TRACE Date Received: 03/19/2010  
% Moisture: not dec. Date Analyzed: 03/21/2010  
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 56.4  
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)  
CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02		Unknown	10.40	210	JXBD
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D01.75MED

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823191

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823191D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 4.9

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	2.5	U
74-87-3	Chloromethane	2.5	U
75-01-4	Vinyl chloride	2.5	U
74-83-9	Bromomethane	2.5	U
75-00-3	Chloroethane	2.5	U
75-69-4	Trichlorofluoromethane	2.5	U
75-35-4	1,1-Dichloroethene	2.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.5	U
67-64-1	Acetone	22	J
75-15-0	Carbon disulfide	2.5	U
79-20-9	Methyl acetate	2.5	U
75-09-2	Methylene chloride	2.4	J
156-60-5	trans-1,2-Dichloroethene	2.5	U
1634-04-4	Methyl tert-butyl ether	2.5	U
75-34-3	1,1-Dichloroethane	2.5	U
156-59-2	cis-1,2-Dichloroethene	1.0	J
78-93-3	2-Butanone	25	U
74-97-5	Bromochloromethane	2.5	U
67-66-3	Chloroform	2.5	U
71-55-6	1,1,1-Trichloroethane	2.5	U
110-82-7	Cyclohexane	2.5	U
56-23-5	Carbon tetrachloride	2.5	U
71-43-2	Benzene	2.5	U
107-06-2	1,2-Dichloroethane	2.5	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2



1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.  
D01.75MED

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823191

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823191D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 4.9

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	470	E
108-87-2	Methylcyclohexane	2.5	U
78-87-5	1,2-Dichloropropane	2.5	U
75-27-4	Bromodichloromethane	2.5	U
10061-01-5	cis-1,3-Dichloropropene	2.5	U
108-10-1	4-Methyl-2-pentanone	25	U
108-88-3	Toluene	2.5	U
10061-02-6	trans-1,3-Dichloropropene	2.5	U
79-00-5	1,1,2-Trichloroethane	4.7	U
127-18-4	Tetrachloroethene	25	U
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	2.5	U
106-93-4	1,2-Dibromoethane	2.5	U
108-90-7	Chlorobenzene	2.5	U
100-41-4	Ethylbenzene	2.5	U
95-47-6	o-Xylene	2.5	U
179601-23-1	m,p-Xylene	2.5	U
100-42-5	Styrene	2.5	U
75-25-2	Bromoform	2.5	U
98-82-8	Isopropylbenzene	2.5	U
79-34-5	1,1,2,2-Tetrachloroethane	2.5	U
541-73-1	1,3-Dichlorobenzene	2.5	U
106-46-7	1,4-Dichlorobenzene	2.5	U
95-50-1	1,2-Dichlorobenzene	2.5	U
96-12-8	1,2-Dibromo-3-chloropropane	2.5	U
120-82-1	1,2,4-Trichlorobenzene	2.5	U
87-61-6	1,2,3-Trichlorobenzene	2.5	U

SOM01.2

1J - FORM I VOA-TIC  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.  
D01.75MED

Lab Name: TESTAMERICA BURLINGTON Contract: 29000  
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424  
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823191  
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823191D2  
Level: (TRACE or LOW/MED) TRACE Date Received: 03/19/2010  
% Moisture: not dec. Date Analyzed: 03/22/2010  
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 4.9  
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)  
CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02		Unknown	10.40	20	JXB
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D01.75MEDDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STL

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823191D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823191D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 57.1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	29	U
74-87-3	Chloromethane	29	U
75-01-4	Vinyl chloride	29	U
74-83-9	Bromomethane	29	U
75-00-3	Chloroethane	29	U
75-69-4	Trichlorofluoromethane	29	U
75-35-4	1,1-Dichloroethene	29	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	29	U
67-64-1	Acetone	290	U
75-15-0	Carbon disulfide	29	U
79-20-9	Methyl acetate	29	U
75-09-2	Methylene chloride	29	U
156-60-5	trans-1,2-Dichloroethene	29	U
1634-04-4	Methyl tert-butyl ether	29	U
75-34-3	1,1-Dichloroethane	29	U
156-59-2	cis-1,2-Dichloroethene	29	U
78-93-3	2-Butanone	290	U
74-97-5	Bromochloromethane	29	U
67-66-3	Chloroform	29	U
71-55-6	1,1,1-Trichloroethane	29	U
110-82-7	Cyclohexane	29	U
56-23-5	Carbon tetrachloride	29	U
71-43-2	Benzene	29	U
107-06-2	1,2-Dichloroethane	29	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D01.75MEDDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823191D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823191D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 57.1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	630	D
108-87-2	Methylcyclohexane	29	U
78-87-5	1,2-Dichloropropane	29	U
75-27-4	Bromodichloromethane	29	U
10061-01-5	cis-1,3-Dichloropropene	29	U
108-10-1	4-Methyl-2-pentanone	290	U
108-88-3	Toluene	29	U
10061-02-6	trans-1,3-Dichloropropene	29	U
79-00-5	1,1,2-Trichloroethane	29	U
127-18-4	Tetrachloroethene	29	U
591-78-6	2-Hexanone	290	U
124-48-1	Dibromochloromethane	29	U
106-93-4	1,2-Dibromoethane	29	U
108-90-7	Chlorobenzene	29	U
100-41-4	Ethylbenzene	29	U
95-47-6	o-Xylene	29	U
179601-23-1	m,p-Xylene	29	U
100-42-5	Styrene	29	U
75-25-2	Bromoform	29	U
98-82-8	Isopropylbenzene	29	U
79-34-5	1,1,2,2-Tetrachloroethane	29	U
541-73-1	1,3-Dichlorobenzene	29	U
106-46-7	1,4-Dichlorobenzene	29	U
95-50-1	1,2-Dichlorobenzene	29	U
96-12-8	1,2-Dibromo-3-chloropropane	29	U
120-82-1	1,2,4-Trichlorobenzene	29	U
87-61-6	1,2,3-Trichlorobenzene	29	U

SOM01.2

1J - FORM I VOA-TIC  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.  
D01.75MEDDL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000  
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424  
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823191D1  
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823191D  
Level: (TRACE or LOW/MED) TRACE Date Received: 03/19/2010  
% Moisture: not dec. Date Analyzed: 03/21/2010  
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 57.1  
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)  
CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02		Unknown	10.40	210	JXBD
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2



1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D01.75HIGH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823192

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823192D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

GC Column: DB-624

ID: 0.53

(mm)

Dilution Factor: 4.1

Soil Extract Volume:

(uL)

Soil Aliquot Volume:

(uL)

Purge Volume: 25.0

(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	2.1	U
74-87-3	Chloromethane	2.1	U
75-01-4	Vinyl chloride	2.1	U
74-83-9	Bromomethane	2.1	U
75-00-3	Chloroethane	2.1	U
75-69-4	Trichlorofluoromethane	2.1	U
75-35-4	1,1-Dichloroethene	2.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.1	U
67-64-1	Acetone	30	
75-15-0	Carbon disulfide	2.1	U
79-20-9	Methyl acetate	2.1	U
75-09-2	Methylene chloride	2.5	
156-60-5	trans-1,2-Dichloroethene	2.1	U
1634-04-4	Methyl tert-butyl ether	2.1	U
75-34-3	1,1-Dichloroethane	2.1	U
156-59-2	cis-1,2-Dichloroethene	0.85	J
78-93-3	2-Butanone	21	U
74-97-5	Bromochloromethane	2.1	U
67-66-3	Chloroform	2.1	U
71-55-6	1,1,1-Trichloroethane	2.1	U
110-82-7	Cyclohexane	2.1	U
56-23-5	Carbon tetrachloride	2.1	U
71-43-2	Benzene	2.1	U
107-06-2	1,2-Dichloroethane	2.1	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D01.75HIGH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823192

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823192D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 4.1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	410	E
108-87-2	Methylcyclohexane	2.1	U
78-87-5	1,2-Dichloropropane	2.1	U
75-27-4	Bromodichloromethane	2.1	U
10061-01-5	cis-1,3-Dichloropropene	2.1	U
108-10-1	4-Methyl-2-pentanone	21	U
108-88-3	Toluene	2.1	U
10061-02-6	trans-1,3-Dichloropropene	2.1	U
79-00-5	1,1,2-Trichloroethane	2.1	U
127-18-4	Tetrachloroethene	4.7	
591-78-6	2-Hexanone	21	U
124-48-1	Dibromochloromethane	2.1	U
106-93-4	1,2-Dibromoethane	2.1	U
108-90-7	Chlorobenzene	2.1	U
100-41-4	Ethylbenzene	2.1	U
95-47-6	o-Xylene	2.1	U
179601-23-1	m,p-Xylene	2.1	U
100-42-5	Styrene	2.1	U
75-25-2	Bromoform	2.1	U
98-82-8	Isopropylbenzene	2.1	U
79-34-5	1,1,2,2-Tetrachloroethane	2.1	U
541-73-1	1,3-Dichlorobenzene	2.1	U
106-46-7	1,4-Dichlorobenzene	2.1	U
95-50-1	1,2-Dichlorobenzene	2.1	U
96-12-8	1,2-Dibromo-3-chloropropane	2.1	U
120-82-1	1,2,4-Trichlorobenzene	2.1	U
87-61-6	1,2,3-Trichlorobenzene	2.1	U

SOM01.2

1J - FORM I VOA-TIC  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

D01.75HIGH

Lab Name: TESTAMERICA BURLINGTON Contract: 29000  
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424  
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823192  
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823192D2  
Level: (TRACE or LOW/MED) TRACE Date Received: 03/19/2010  
% Moisture: not dec. Date Analyzed: 03/22/2010  
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 4.1  
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)  
CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02		Unknown	10.40	17	JXB
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2



1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.  
D01.75HIGHDL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000  
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424  
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823192D1  
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823192D  
Level: (TRACE/LOW/MED) TRACE Date Received: 03/19/2010  
% Moisture: not dec. Date Analyzed: 03/21/2010  
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 47.6  
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)  
Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	24	U
74-87-3	Chloromethane	24	U
75-01-4	Vinyl chloride	24	U
74-83-9	Bromomethane	24	U
75-00-3	Chloroethane	24	U
75-69-4	Trichlorofluoromethane	24	U
75-35-4	1,1-Dichloroethene	24	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	24	U
67-64-1	Acetone	240	U
75-15-0	Carbon disulfide	24	U
79-20-9	Methyl acetate	24	U
75-09-2	Methylene chloride	24	U
156-60-5	trans-1,2-Dichloroethene	24	U
1634-04-4	Methyl tert-butyl ether	24	U
75-34-3	1,1-Dichloroethane	24	U
156-59-2	cis-1,2-Dichloroethene	24	U
78-93-3	2-Butanone	240	U
74-97-5	Bromochloromethane	24	U
67-66-3	Chloroform	24	U
71-55-6	1,1,1-Trichloroethane	24	U
110-82-7	Cyclohexane	24	U
56-23-5	Carbon tetrachloride	24	U
71-43-2	Benzene	24	U
107-06-2	1,2-Dichloroethane	24	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D01.75HIGHDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823192D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823192D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 47.6

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	570	D
108-87-2	Methylcyclohexane	24	U
78-87-5	1,2-Dichloropropane	24	U
75-27-4	Bromodichloromethane	24	U
10061-01-5	cis-1,3-Dichloropropene	24	U
108-10-1	4-Methyl-2-pentanone	240	U
108-88-3	Toluene	24	U
10061-02-6	trans-1,3-Dichloropropene	24	U
79-00-5	1,1,2-Trichloroethane	24	U
127-18-4	Tetrachloroethene	24	U
591-78-6	2-Hexanone	240	U
124-48-1	Dibromochloromethane	24	U
106-93-4	1,2-Dibromoethane	24	U
108-90-7	Chlorobenzene	24	U
100-41-4	Ethylbenzene	24	U
95-47-6	o-Xylene	24	U
179601-23-1	m,p-Xylene	24	U
100-42-5	Styrene	24	U
75-25-2	Bromoform	24	U
98-82-8	Isopropylbenzene	24	U
79-34-5	1,1,2,2-Tetrachloroethane	24	U
541-73-1	1,3-Dichlorobenzene	24	U
106-46-7	1,4-Dichlorobenzene	24	U
95-50-1	1,2-Dichlorobenzene	24	U
96-12-8	1,2-Dibromo-3-chloropropane	24	U
120-82-1	1,2,4-Trichlorobenzene	24	U
87-61-6	1,2,3-Trichlorobenzene	24	U

SOM01.2

1J - FORM I VOA-TIC  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.  
D01.75HIGHDL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000  
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424  
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823192D1  
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823192D  
Level: (TRACE or LOW/MED) TRACE Date Received: 03/19/2010  
% Moisture: not dec. Date Analyzed: 03/21/2010  
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 47.6  
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)  
CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		<del>Unknown</del>	<del>10.39</del>	<del>170</del>	<del>JXBD</del>
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
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19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796 (1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.  
D02.0MED

Lab Name: TESTAMERICA BURLINGTON Contract: 29000  
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424  
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823193  
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823193D2  
Level: (TRACE/LOW/MED) TRACE Date Received: 03/19/2010  
% Moisture: not dec. Date Analyzed: 03/22/2010  
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 5.0  
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)  
Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	2.5	U
74-87-3	Chloromethane	2.5	U
75-01-4	Vinyl chloride	2.5	U
74-83-9	Bromomethane	2.5	U
75-00-3	Chloroethane	2.5	U
75-69-4	Trichlorofluoromethane	2.5	U
75-35-4	1,1-Dichloroethene	2.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.5	U
67-64-1	Acetone	20	J
75-15-0	Carbon disulfide	2.5	U
79-20-9	Methyl acetate	2.5	U
75-09-2	Methylene chloride	3.3	U
156-60-5	trans-1,2-Dichloroethene	2.5	U
1634-04-4	Methyl tert-butyl ether	2.5	U
75-34-3	1,1-Dichloroethane	2.5	U
156-59-2	cis-1,2-Dichloroethene	1.1	J
78-93-3	2-Butanone	25	U
74-97-5	Bromochloromethane	2.5	U
67-66-3	Chloroform	2.5	U
71-55-6	1,1,1-Trichloroethane	2.5	U
110-82-7	Cyclohexane	2.5	U
56-23-5	Carbon tetrachloride	2.5	U
71-43-2	Benzene	2.5	U
107-06-2	1,2-Dichloroethane	2.5	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D02.0MED

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STL

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823193

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823193D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 5.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	480	E
108-87-2	Methylcyclohexane	2.5	U
78-87-5	1,2-Dichloropropane	2.5	U
75-27-4	Bromodichloromethane	2.5	U
10061-01-5	cis-1,3-Dichloropropene	2.5	U
108-10-1	4-Methyl-2-pentanone	25	U
108-88-3	Toluene	2.5	U
10061-02-6	trans-1,3-Dichloropropene	2.5	U
79-00-5	1,1,2-Trichloroethane	2.5	U
127-18-4	Tetrachloroethene	4.9	
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	2.5	U
106-93-4	1,2-Dibromoethane	2.5	U
108-90-7	Chlorobenzene	2.5	U
100-41-4	Ethylbenzene	2.5	U
95-47-6	o-Xylene	2.5	U
179601-23-1	m,p-Xylene	2.5	U
100-42-5	Styrene	2.5	U
75-25-2	Bromoform	2.5	U
98-82-8	Isopropylbenzene	2.5	U
79-34-5	1,1,2,2-Tetrachloroethane	2.5	U
541-73-1	1,3-Dichlorobenzene	2.5	U
106-46-7	1,4-Dichlorobenzene	2.5	U
95-50-1	1,2-Dichlorobenzene	2.5	U
96-12-8	1,2-Dibromo-3-chloropropane	2.5	U
120-82-1	1,2,4-Trichlorobenzene	2.5	U
87-61-6	1,2,3-Trichlorobenzene	2.5	U

SOM01.2



1J - FORM I VOA-TIC  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

D02.0MED

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823193

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823193D2

Level: (TRACE or LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 5.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L

Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	10.39	20	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.  
D02.0MEDDL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000  
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424  
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823193D1  
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823193D  
Level: (TRACE/LOW/MED) TRACE Date Received: 03/19/2010  
% Moisture: not dec. Date Analyzed: 03/21/2010  
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 57.1  
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)  
Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	29	U
74-87-3	Chloromethane	29	U
75-01-4	Vinyl chloride	29	U
74-83-9	Bromomethane	29	U
75-00-3	Chloroethane	29	U
75-69-4	Trichlorofluoromethane	29	U
75-35-4	1,1-Dichloroethene	29	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	29	U
67-64-1	Acetone	290	U
75-15-0	Carbon disulfide	29	U
79-20-9	Methyl acetate	29	U
75-09-2	Methylene chloride	29	U
156-60-5	trans-1,2-Dichloroethene	29	U
1634-04-4	Methyl tert-butyl ether	29	U
75-34-3	1,1-Dichloroethane	29	U
156-59-2	cis-1,2-Dichloroethene	29	U
78-93-3	2-Butanone	290	U
74-97-5	Bromochloromethane	29	U
67-66-3	Chloroform	29	U
71-55-6	1,1,1-Trichloroethane	29	U
110-82-7	Cyclohexane	29	U
56-23-5	Carbon tetrachloride	29	U
71-43-2	Benzene	29	U
107-06-2	1,2-Dichloroethane	29	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D02.0MEDDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823193D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823193D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 57.1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	670	D
108-87-2	Methylcyclohexane	29	U
78-87-5	1,2-Dichloropropane	29	U
75-27-4	Bromodichloromethane	29	U
10061-01-5	cis-1,3-Dichloropropene	29	U
108-10-1	4-Methyl-2-pentanone	290	U
108-88-3	Toluene	29	U
10061-02-6	trans-1,3-Dichloropropene	29	U
79-00-5	1,1,2-Trichloroethane	29	U
127-18-4	Tetrachloroethene	29	U
591-78-6	2-Hexanone	290	U
124-48-1	Dibromochloromethane	29	U
106-93-4	1,2-Dibromoethane	29	U
108-90-7	Chlorobenzene	29	U
100-41-4	Ethylbenzene	29	U
95-47-6	o-Xylene	29	U
179601-23-1	m,p-Xylene	29	U
100-42-5	Styrene	29	U
75-25-2	Bromoform	29	U
98-82-8	Isopropylbenzene	29	U
79-34-5	1,1,2,2-Tetrachloroethane	29	U
541-73-1	1,3-Dichlorobenzene	29	U
106-46-7	1,4-Dichlorobenzene	29	U
95-50-1	1,2-Dichlorobenzene	29	U
96-12-8	1,2-Dibromo-3-chloropropane	29	U
120-82-1	1,2,4-Trichlorobenzene	29	U
87-61-6	1,2,3-Trichlorobenzene	29	U

SOM01.2



1J - FORM I VOA-TIC  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

D02.0MEDDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823193D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823193D

Level: (TRACE or LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 57.1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L

Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	10.40	210	JXBD
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D02.0HIGH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823194

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823194D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 4.7

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	2.4	U
74-87-3	Chloromethane	2.4	U
75-01-4	Vinyl chloride	2.4	U
74-83-9	Bromomethane	2.4	U
75-00-3	Chloroethane	2.4	U
75-69-4	Trichlorofluoromethane	2.4	U
75-35-4	1,1-Dichloroethene	2.4	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.4	U
67-64-1	Acetone	26	
75-15-0	Carbon disulfide	2.4	U
79-20-9	Methyl acetate	2.4	U
75-09-2	Methylene chloride	3.3	
156-60-5	trans-1,2-Dichloroethene	2.4	U
1634-04-4	Methyl tert-butyl ether	2.4	U
75-34-3	1,1-Dichloroethane	2.4	U
156-59-2	cis-1,2-Dichloroethene	2.4	U
78-93-3	2-Butanone	24	U
74-97-5	Bromochloromethane	2.4	U
67-66-3	Chloroform	2.4	U
71-55-6	1,1,1-Trichloroethane	2.4	U
110-82-7	Cyclohexane	2.4	U
56-23-5	Carbon tetrachloride	2.4	U
71-43-2	Benzene	2.4	U
107-06-2	1,2-Dichloroethane	2.4	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D02.0HIGH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823194

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823194D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 4.7

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	430	E
108-87-2	Methylcyclohexane	2.4	U
78-87-5	1,2-Dichloropropane	2.4	U
75-27-4	Bromodichloromethane	2.4	U
10061-01-5	cis-1,3-Dichloropropene	2.4	U
108-10-1	4-Methyl-2-pentanone	24	U
108-88-3	Toluene	2.4	U
10061-02-6	trans-1,3-Dichloropropene	2.4	U
79-00-5	1,1,2-Trichloroethane	2.4	U
127-18-4	Tetrachloroethene	4.9	
591-78-6	2-Hexanone	24	U
124-48-1	Dibromochloromethane	2.4	U
106-93-4	1,2-Dibromoethane	2.4	U
108-90-7	Chlorobenzene	2.4	U
100-41-4	Ethylbenzene	2.4	U
95-47-6	o-Xylene	2.4	U
179601-23-1	m,p-Xylene	2.4	U
100-42-5	Styrene	2.4	U
75-25-2	Bromoform	2.4	U
98-82-8	Isopropylbenzene	2.4	U
79-34-5	1,1,2,2-Tetrachloroethane	2.4	U
541-73-1	1,3-Dichlorobenzene	2.4	U
106-46-7	1,4-Dichlorobenzene	2.4	U
95-50-1	1,2-Dichlorobenzene	2.4	U
96-12-8	1,2-Dibromo-3-chloropropane	2.4	U
120-82-1	1,2,4-Trichlorobenzene	2.4	U
87-61-6	1,2,3-Trichlorobenzene	2.4	U

SOM01.2

1J - FORM I VOA-TIC  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

D02.0HIGH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823194

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823194D2

Level: (TRACE or LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 4.7

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L

Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	10.39	19	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.  
D02.0HIGHDL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000  
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424  
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823194D1  
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823194D  
Level: (TRACE/LOW/MED) TRACE Date Received: 03/19/2010  
% Moisture: not dec. Date Analyzed: 03/21/2010  
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 53.7  
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)  
Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	27	U
74-87-3	Chloromethane	27	U
75-01-4	Vinyl chloride	27	U
74-83-9	Bromomethane	27	U
75-00-3	Chloroethane	27	U
75-69-4	Trichlorofluoromethane	27	U
75-35-4	1,1-Dichloroethene	27	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	27	U
67-64-1	Acetone	270	U
75-15-0	Carbon disulfide	27	U
79-20-9	Methyl acetate	27	U
75-09-2	Methylene chloride	27	U
156-60-5	trans-1,2-Dichloroethene	27	U
1634-04-4	Methyl tert-butyl ether	27	U
75-34-3	1,1-Dichloroethane	27	U
156-59-2	cis-1,2-Dichloroethene	27	U
78-93-3	2-Butanone	270	U
74-97-5	Bromochloromethane	27	U
67-66-3	Chloroform	27	U
71-55-6	1,1,1-Trichloroethane	27	U
110-82-7	Cyclohexane	27	U
56-23-5	Carbon tetrachloride	27	U
71-43-2	Benzene	27	U
107-06-2	1,2-Dichloroethane	27	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2



1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D02.0HIGHDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823194D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823194D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 53.7

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	570	D
108-87-2	Methylcyclohexane	27	U
78-87-5	1,2-Dichloropropane	27	U
75-27-4	Bromodichloromethane	27	U
10061-01-5	cis-1,3-Dichloropropene	27	U
108-10-1	4-Methyl-2-pentanone	270	U
108-88-3	Toluene	27	U
10061-02-6	trans-1,3-Dichloropropene	27	U
79-00-5	1,1,2-Trichloroethane	27	U
127-18-4	Tetrachloroethene	27	U
591-78-6	2-Hexanone	270	U
124-48-1	Dibromochloromethane	27	U
106-93-4	1,2-Dibromoethane	27	U
108-90-7	Chlorobenzene	27	U
100-41-4	Ethylbenzene	27	U
95-47-6	o-Xylene	27	U
179601-23-1	m,p-Xylene	27	U
100-42-5	Styrene	27	U
75-25-2	Bromoform	27	U
98-82-8	Isopropylbenzene	27	U
79-34-5	1,1,2,2-Tetrachloroethane	27	U
541-73-1	1,3-Dichlorobenzene	27	U
106-46-7	1,4-Dichlorobenzene	27	U
95-50-1	1,2-Dichlorobenzene	27	U
96-12-8	1,2-Dibromo-3-chloropropane	27	U
120-82-1	1,2,4-Trichlorobenzene	27	U
87-61-6	1,2,3-Trichlorobenzene	27	U

SOM01.2

1J - FORM I VOA-TIC  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.  
D02.0HIGHDL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000  
Lab Code: STLV Case No.: IASS Mod. Ref No.: SDG No.: 136424  
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823194D1  
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823194D  
Level: (TRACE or LOW/MED) TRACE Date Received: 03/19/2010  
% Moisture: not dec. Date Analyzed: 03/21/2010  
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 53.7  
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)  
CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02		Unknown	10.40	190	JXBD
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.  
D0CONTROL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823195

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823195D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/24/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 5.5

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	2.8	U
74-87-3	Chloromethane	2.8	U
75-01-4	Vinyl chloride	2.8	U
74-83-9	Bromomethane	2.8	U
75-00-3	Chloroethane	2.8	U
75-69-4	Trichlorofluoromethane	2.8	U
75-35-4	1,1-Dichloroethene	2.8	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.8	U
67-64-1	Acetone	13	JB
75-15-0	Carbon disulfide	2.8	U
79-20-9	Methyl acetate	2.8	U
75-09-2	Methylene chloride	1.7	J
156-60-5	trans-1,2-Dichloroethene	2.8	U
1634-04-4	Methyl tert-butyl ether	2.8	U
75-34-3	1,1-Dichloroethane	2.8	U
156-59-2	cis-1,2-Dichloroethene	1.3	J
78-93-3	2-Butanone	28	U
74-97-5	Bromochloromethane	2.8	U
67-66-3	Chloroform	2.8	U
71-55-6	1,1,1-Trichloroethane	2.8	U
110-82-7	Cyclohexane	2.8	U
56-23-5	Carbon tetrachloride	2.8	U
71-43-2	Benzene	2.8	U
107-06-2	1,2-Dichloroethane	2.8	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2



1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DOCONTROL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823195

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823195D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/24/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 5.5

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	760	E
108-87-2	Methylcyclohexane	2.8	U
78-87-5	1,2-Dichloropropane	2.8	U
75-27-4	Bromodichloromethane	2.8	U
10061-01-5	cis-1,3-Dichloropropene	2.8	U
108-10-1	4-Methyl-2-pentanone	28	U
108-88-3	Toluene	2.8	U
10061-02-6	trans-1,3-Dichloropropene	2.8	U
79-00-5	1,1,2-Trichloroethane	2.8	U
127-18-4	Tetrachloroethene	6.3	
591-78-6	2-Hexanone	28	U
124-48-1	Dibromochloromethane	2.8	U
106-93-4	1,2-Dibromoethane	2.8	U
108-90-7	Chlorobenzene	2.8	U
100-41-4	Ethylbenzene	2.8	U
95-47-6	o-Xylene	2.8	U
179601-23-1	m,p-Xylene	2.8	U
100-42-5	Styrene	2.8	U
75-25-2	Bromoform	2.8	U
98-82-8	Isopropylbenzene	2.8	U
79-34-5	1,1,2,2-Tetrachloroethane	2.8	U
541-73-1	1,3-Dichlorobenzene	2.8	U
106-46-7	1,4-Dichlorobenzene	2.8	U
95-50-1	1,2-Dichlorobenzene	2.8	U
96-12-8	1,2-Dibromo-3-chloropropane	2.8	U
120-82-1	1,2,4-Trichlorobenzene	2.8	U
87-61-6	1,2,3-Trichlorobenzene	2.8	U

SOM01.2

1J - FORM I VOA-TIC  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

D0CONTROL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823195

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823195D2

Level: (TRACE or LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/24/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 5.5

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L

Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	=====	=====	=====	=====	=====
01		Unknown	7.02	16	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.  
DOCONTROLDL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000  
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424  
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823195D1  
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823195D  
Level: (TRACE/LOW/MED) TRACE Date Received: 03/19/2010  
% Moisture: not dec. Date Analyzed: 03/21/2010  
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 63.8  
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)  
Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	32	U
74-87-3	Chloromethane	32	U
75-01-4	Vinyl chloride	32	U
74-83-9	Bromomethane	32	U
75-00-3	Chloroethane	32	U
75-69-4	Trichlorofluoromethane	32	U
75-35-4	1,1-Dichloroethene	32	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	32	U
67-64-1	Acetone	320	U
75-15-0	Carbon disulfide	32	U
79-20-9	Methyl acetate	32	U
75-09-2	Methylene chloride	32	U
156-60-5	trans-1,2-Dichloroethene	32	U
1634-04-4	Methyl tert-butyl ether	32	U
75-34-3	1,1-Dichloroethane	32	U
156-59-2	cis-1,2-Dichloroethene	32	U
78-93-3	2-Butanone	320	U
74-97-5	Bromochloromethane	32	U
67-66-3	Chloroform	32	U
71-55-6	1,1,1-Trichloroethane	32	U
110-82-7	Cyclohexane	32	U
56-23-5	Carbon tetrachloride	32	U
71-43-2	Benzene	32	U
107-06-2	1,2-Dichloroethane	32	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DOCONTROLDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823195D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823195D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 63.8

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	920	D
108-87-2	Methylcyclohexane	32	U
78-87-5	1,2-Dichloropropane	32	U
75-27-4	Bromodichloromethane	32	U
10061-01-5	cis-1,3-Dichloropropene	32	U
108-10-1	4-Methyl-2-pentanone	320	U
108-88-3	Toluene	32	U
10061-02-6	trans-1,3-Dichloropropene	32	U
79-00-5	1,1,2-Trichloroethane	32	U
127-18-4	Tetrachloroethene	32	U
591-78-6	2-Hexanone	320	U
124-48-1	Dibromochloromethane	32	U
106-93-4	1,2-Dibromoethane	32	U
108-90-7	Chlorobenzene	32	U
100-41-4	Ethylbenzene	32	U
95-47-6	o-Xylene	32	U
179601-23-1	m,p-Xylene	32	U
100-42-5	Styrene	32	U
75-25-2	Bromoform	32	U
98-82-8	Isopropylbenzene	32	U
79-34-5	1,1,2,2-Tetrachloroethane	32	U
541-73-1	1,3-Dichlorobenzene	32	U
106-46-7	1,4-Dichlorobenzene	32	U
95-50-1	1,2-Dichlorobenzene	32	U
96-12-8	1,2-Dibromo-3-chloropropane	32	U
120-82-1	1,2,4-Trichlorobenzene	32	U
87-61-6	1,2,3-Trichlorobenzene	32	U

SOM01.2

1J - FORM I VOA-TIC  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

D0CONTROLDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823195D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823195D

Level: (TRACE or LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 63.8

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L

Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	=====	=====	=====	=====	=====
01		<del>Unknown</del>	<del>10.40</del>	<del>230</del>	<del>JXBD</del>
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
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19					
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21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D31.5MED

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823196

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823196

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	57	
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	23	E
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.63	
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	3.6	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.26	J
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

18 - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D31.5MED

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STL

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823196

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823196

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.25	J
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.82	
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	2.7	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SOM01.2



1J - FORM I VOA-TIC  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.  
D31.5MED

Lab Name: TESTAMERICA BURLINGTON Contract: 29000  
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424  
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823196  
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823196  
Level: (TRACE or LOW/MED) TRACE Date Received: 03/19/2010  
% Moisture: not dec. Date Analyzed: 03/21/2010  
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0  
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)  
CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02		Unknown	10.40	3.6	JXB
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2



1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D31.5MEDDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823196D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823196D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.9

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.95	U
74-87-3	Chloromethane	0.95	U
75-01-4	Vinyl chloride	0.95	U
74-83-9	Bromomethane	0.95	U
75-00-3	Chloroethane	0.95	U
75-69-4	Trichlorofluoromethane	0.95	U
75-35-4	1,1-Dichloroethene	0.95	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.95	U
67-64-1	Acetone	63	D
75-15-0	Carbon disulfide	0.95	U
79-20-9	Methyl acetate	0.95	U
75-09-2	Methylene chloride	22	D
156-60-5	trans-1,2-Dichloroethene	0.95	U
1634-04-4	Methyl tert-butyl ether	0.61	DJ
75-34-3	1,1-Dichloroethane	0.95	U
156-59-2	cis-1,2-Dichloroethene	0.95	U
78-93-3	2-Butanone	5.1	DJ
74-97-5	Bromochloromethane	0.95	U
67-66-3	Chloroform	0.95	U
71-55-6	1,1,1-Trichloroethane	0.95	U
110-82-7	Cyclohexane	0.95	U
56-23-5	Carbon tetrachloride	0.95	U
71-43-2	Benzene	0.95	U
107-06-2	1,2-Dichloroethane	0.95	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.  
D31.5MEDDL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000  
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424  
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823196D1  
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823196D  
Level: (TRACE/LOW/MED) TRACE Date Received: 03/19/2010  
% Moisture: not dec. Date Analyzed: 03/22/2010  
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.9  
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)  
Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.95	U
108-87-2	Methylcyclohexane	0.95	U
78-87-5	1,2-Dichloropropane	0.95	U
75-27-4	Bromodichloromethane	0.95	U
10061-01-5	cis-1,3-Dichloropropene	0.95	U
108-10-1	4-Methyl-2-pentanone	9.5	U
108-88-3	Toluene	0.79	DJ
10061-02-6	trans-1,3-Dichloropropene	0.95	U
79-00-5	1,1,2-Trichloroethane	0.95	U
127-18-4	Tetrachloroethene	2.5	D
591-78-6	2-Hexanone	9.5	U
124-48-1	Dibromochloromethane	0.95	U
106-93-4	1,2-Dibromoethane	0.95	U
108-90-7	Chlorobenzene	0.95	U
100-41-4	Ethylbenzene	0.95	U
95-47-6	o-Xylene	0.95	U
179601-23-1	m,p-Xylene	0.95	U
100-42-5	Styrene	0.95	U
75-25-2	Bromoform	0.95	U
98-82-8	Isopropylbenzene	0.95	U
79-34-5	1,1,2,2-Tetrachloroethane	0.95	U
541-73-1	1,3-Dichlorobenzene	0.95	U
106-46-7	1,4-Dichlorobenzene	0.95	U
95-50-1	1,2-Dichlorobenzene	0.95	U
96-12-8	1,2-Dibromo-3-chloropropane	0.95	U
120-82-1	1,2,4-Trichlorobenzene	0.95	U
87-61-6	1,2,3-Trichlorobenzene	0.95	U

SOM01.2

1J - FORM I VOA-TIC  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

D31.5MEDDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823196D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823196D

Level: (TRACE or LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.9

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L

Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	=====	=====	=====	=====	=====
01		Unknown	10.40	7.3	JXBD
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
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19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D31.5HIGH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLW

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823197

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823197D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.7

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.85	U
74-87-3	Chloromethane	0.85	U
75-01-4	Vinyl chloride	0.85	U
74-83-9	Bromomethane	0.85	U
75-00-3	Chloroethane	0.85	U
75-69-4	Trichlorofluoromethane	0.85	U
75-35-4	1,1-Dichloroethene	0.85	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.85	U
67-64-1	Acetone	73	
75-15-0	Carbon disulfide	0.85	U
79-20-9	Methyl acetate	0.85	U
75-09-2	Methylene chloride	27	
156-60-5	trans-1,2-Dichloroethene	0.85	U
1634-04-4	Methyl tert-butyl ether	0.64	J
75-34-3	1,1-Dichloroethane	0.85	U
156-59-2	cis-1,2-Dichloroethene	0.85	U
78-93-3	2-Butanone	5.3	J
74-97-5	Bromochloromethane	0.85	U
67-66-3	Chloroform	0.85	U
71-55-6	1,1,1-Trichloroethane	0.85	U
110-82-7	Cyclohexane	0.85	U
56-23-5	Carbon tetrachloride	0.85	U
71-43-2	Benzene	0.85	U
107-06-2	1,2-Dichloroethane	0.85	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D31.5HIGH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823197

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823197D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.7

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.85	U
108-87-2	Methylcyclohexane	0.85	U
78-87-5	1,2-Dichloropropane	0.85	U
75-27-4	Bromodichloromethane	0.85	U
10061-01-5	cis-1,3-Dichloropropene	0.85	U
108-10-1	4-Methyl-2-pentanone	8.5	U
108-88-3	Toluene	0.90	U
10061-02-6	trans-1,3-Dichloropropene	0.85	U
79-00-5	1,1,2-Trichloroethane	0.85	U
127-18-4	Tetrachloroethene	0.74	J
591-78-6	2-Hexanone	8.5	U
124-48-1	Dibromochloromethane	0.85	U
106-93-4	1,2-Dibromoethane	0.85	U
108-90-7	Chlorobenzene	0.85	U
100-41-4	Ethylbenzene	0.85	U
95-47-6	o-Xylene	0.85	U
179601-23-1	m,p-Xylene	0.85	U
100-42-5	Styrene	0.85	U
75-25-2	Bromoform	0.85	U
98-82-8	Isopropylbenzene	0.85	U
79-34-5	1,1,2,2-Tetrachloroethane	0.85	U
541-73-1	1,3-Dichlorobenzene	0.85	U
106-46-7	1,4-Dichlorobenzene	0.85	U
95-50-1	1,2-Dichlorobenzene	0.85	U
96-12-8	1,2-Dibromo-3-chloropropane	0.85	U
120-82-1	1,2,4-Trichlorobenzene	0.85	U
87-61-6	1,2,3-Trichlorobenzene	0.85	U

SOM01.2

1J - FORM I VOA-TIC  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.  
D31.5HIGH

Lab Name: TESTAMERICA BURLINGTON Contract: 29000  
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424  
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823197  
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823197D  
Level: (TRACE or LOW/MED) TRACE Date Received: 03/19/2010  
% Moisture: not dec. Date Analyzed: 03/21/2010  
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.7  
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)  
CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	10.40	6.3	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2



1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D31.75MED

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823198

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823198

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/24/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	57.57	B-U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	20	E
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.56	
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	3.8	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.22	J
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2



1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.  
D31.75MED

Lab Name: TESTAMERICA BURLINGTON Contract: 29000  
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424  
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823198  
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823198  
Level: (TRACE/LOW/MED) TRACE Date Received: 03/19/2010  
% Moisture: not dec. Date Analyzed: 03/24/2010  
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0  
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)  
Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.73	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	3.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SOM01.2

1J - FORM I VOA-TIC  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

D31.75MED

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823198

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823198

Level: (TRACE or LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/24/2010

GC Column: DB-624

ID: 0.53

(mm)

Dilution Factor: 1.0

Soil Extract Volume:

(uL)

Soil Aliquot Volume:

(uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L

Purge Volume: 25.0

(mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.01	3.0	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D31.75MEDDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823198D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823198D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 2.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U
67-64-1	Acetone	52	D
75-15-0	Carbon disulfide	1.0	U
79-20-9	Methyl acetate	1.0	U
75-09-2	Methylene chloride	21	D
156-60-5	trans-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl tert-butyl ether	0.61	DJ
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	4.1	DJ
74-97-5	Bromochloromethane	1.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
110-82-7	Cyclohexane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D31.75MEDDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823198D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823198D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 2.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	1.0	U
108-87-2	Methylcyclohexane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	0.75	DJ
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	2.7	D
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
179601-23-1	m,p-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

SOM01.2

1J - FORM I VOA-TIC  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

D31.75MEDDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823198D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823198D

Level: (TRACE or LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

GC Column: DB-624

ID: 0.53

(mm)

Dilution Factor: 2.0

Soil Extract Volume:

(uL)

Soil Aliquot Volume:

(uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L

Purge Volume: 25.0

(mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		<del>Unknown</del>	<del>10.40</del>	<del>7.4</del>	<del>JXBD</del>
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2



1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.  
D31.75HIGH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STL

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823199

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823199

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/24/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	56 -56	B U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	19	
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.55	
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	3.8	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.20	J
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.  
D31.75HIGH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823199

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823199

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/24/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.74	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.95	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SOM01.2



1J - FORM I VOA-TIC  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.  
D31.75HIGH

Lab Name: TESTAMERICA BURLINGTON Contract: 29000  
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424  
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823199  
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823199  
Level: (TRACE or LOW/MED) TRACE Date Received: 03/19/2010  
% Moisture: not dec. Date Analyzed: 03/24/2010  
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0  
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)  
CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.02	2.9	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.  
D32.0MED

Lab Name: TESTAMERICA BURLINGTON Contract: 29000  
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424  
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823200  
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823200  
Level: (TRACE/LOW/MED) TRACE Date Received: 03/19/2010  
% Moisture: not dec. Date Analyzed: 03/21/2010  
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0  
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)  
Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	38	
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	18	
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.64	
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	2.6	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.26	J
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.  
D32.0MED

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823200

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823200

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.28	J
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.68	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	2.6	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SOM01.2

1J - FORM I VOA-TIC  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

D32.0MED

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823200

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823200

Level: (TRACE or LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L

Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02		Unknown	10.39	3.7	JXB
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.  
D32.0HIGH

Lab Name: TESTAMERICA BURLINGTON Contract: 29000  
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424  
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823201  
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823201D  
Level: (TRACE/LOW/MED) TRACE Date Received: 03/19/2010  
% Moisture: not dec. Date Analyzed: 03/22/2010  
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.6  
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)  
Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.80	U
74-87-3	Chloromethane	0.80	U
75-01-4	Vinyl chloride	0.80	U
74-83-9	Bromomethane	0.80	U
75-00-3	Chloroethane	0.80	U
75-69-4	Trichlorofluoromethane	0.80	U
75-35-4	1,1-Dichloroethene	0.80	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.80	U
67-64-1	Acetone	52	
75-15-0	Carbon disulfide	0.80	U
79-20-9	Methyl acetate	0.80	U
75-09-2	Methylene chloride	20	
156-60-5	trans-1,2-Dichloroethene	0.80	U
1634-04-4	Methyl tert-butyl ether	0.54	J
75-34-3	1,1-Dichloroethane	0.80	U
156-59-2	cis-1,2-Dichloroethene	0.80	U
78-93-3	2-Butanone	4.4	J
74-97-5	Bromochloromethane	0.80	U
67-66-3	Chloroform	0.80	U
71-55-6	1,1,1-Trichloroethane	0.80	U
110-82-7	Cyclohexane	0.80	U
56-23-5	Carbon tetrachloride	0.80	U
71-43-2	Benzene	0.80	U
107-06-2	1,2-Dichloroethane	0.80	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D32.0HIGH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823201

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823201D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.6

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.80	U
108-87-2	Methylcyclohexane	0.80	U
78-87-5	1,2-Dichloropropane	0.80	U
75-27-4	Bromodichloromethane	0.80	U
10061-01-5	cis-1,3-Dichloropropene	0.80	U
108-10-1	4-Methyl-2-pentanone	8.0	U
108-88-3	Toluene	0.77	J
10061-02-6	trans-1,3-Dichloropropene	0.80	U
79-00-5	1,1,2-Trichloroethane	0.80	U
127-18-4	Tetrachloroethene	0.63	J
591-78-6	2-Hexanone	8.0	U
124-48-1	Dibromochloromethane	0.80	U
106-93-4	1,2-Dibromoethane	0.80	U
108-90-7	Chlorobenzene	0.80	U
100-41-4	Ethylbenzene	0.80	U
95-47-6	o-Xylene	0.80	U
179601-23-1	m,p-Xylene	0.80	U
100-42-5	Styrene	0.80	U
75-25-2	Bromoform	0.80	U
98-82-8	Isopropylbenzene	0.80	U
79-34-5	1,1,2,2-Tetrachloroethane	0.80	U
541-73-1	1,3-Dichlorobenzene	0.80	U
106-46-7	1,4-Dichlorobenzene	0.80	U
95-50-1	1,2-Dichlorobenzene	0.80	U
96-12-8	1,2-Dibromo-3-chloropropane	0.80	U
120-82-1	1,2,4-Trichlorobenzene	0.80	U
87-61-6	1,2,3-Trichlorobenzene	0.80	U

SOM01.2



1J - FORM I VOA-TIC  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

D32.0HIGH

Lab Name: TESTAMERICA BURLINGTON Contract: 29000  
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424  
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823201  
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823201D  
Level: (TRACE or LOW/MED) TRACE Date Received: 03/19/2010  
% Moisture: not dec. Date Analyzed: 03/22/2010  
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.6  
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)  
CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	420-56-4	Trimethylsilyl fluoride	2.90	1.1	NJ
02		Unknown	10.40	5.6	JXB
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2



1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D3CONTROL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STL

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823202

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823202D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/24/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 5.4

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	2.7	U
74-87-3	Chloromethane	2.7	U
75-01-4	Vinyl chloride	2.7	U
74-83-9	Bromomethane	2.7	U
75-00-3	Chloroethane	2.7	U
75-69-4	Trichlorofluoromethane	2.7	U
75-35-4	1,1-Dichloroethene	2.7	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.7	U
67-64-1	Acetone	15	JB U
75-15-0	Carbon disulfide	2.7	U
79-20-9	Methyl acetate	2.7	U
75-09-2	Methylene chloride	16	
156-60-5	trans-1,2-Dichloroethene	2.7	U
1634-04-4	Methyl tert-butyl ether	2.7	U
75-34-3	1,1-Dichloroethane	2.7	U
156-59-2	cis-1,2-Dichloroethene	1.1	J
78-93-3	2-Butanone	27	U
74-97-5	Bromochloromethane	2.7	U
67-66-3	Chloroform	2.7	U
71-55-6	1,1,1-Trichloroethane	2.7	U
110-82-7	Cyclohexane	2.7	U
56-23-5	Carbon tetrachloride	2.7	U
71-43-2	Benzene	2.7	U
107-06-2	1,2-Dichloroethane	2.7	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D3CONTROL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823202

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823202D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/24/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 5.4

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	700	E
108-87-2	Methylcyclohexane	2.7	U
78-87-5	1,2-Dichloropropane	2.7	U
75-27-4	Bromodichloromethane	2.7	U
10061-01-5	cis-1,3-Dichloropropene	2.7	U
108-10-1	4-Methyl-2-pentanone	27	U
108-88-3	Toluene	2.7	U
10061-02-6	trans-1,3-Dichloropropene	2.7	U
79-00-5	1,1,2-Trichloroethane	2.7	U
127-18-4	Tetrachloroethene	5.6	
591-78-6	2-Hexanone	27	U
124-48-1	Dibromochloromethane	2.7	U
106-93-4	1,2-Dibromoethane	2.7	U
108-90-7	Chlorobenzene	2.7	U
100-41-4	Ethylbenzene	2.7	U
95-47-6	o-Xylene	2.7	U
179601-23-1	m,p-Xylene	2.7	U
100-42-5	Styrene	2.7	U
75-25-2	Bromoform	2.7	U
98-82-8	Isopropylbenzene	2.7	U
79-34-5	1,1,2,2-Tetrachloroethane	2.7	U
541-73-1	1,3-Dichlorobenzene	2.7	U
106-46-7	1,4-Dichlorobenzene	2.7	U
95-50-1	1,2-Dichlorobenzene	2.7	U
96-12-8	1,2-Dibromo-3-chloropropane	2.7	U
120-82-1	1,2,4-Trichlorobenzene	2.7	U
87-61-6	1,2,3-Trichlorobenzene	2.7	U

SOM01.2

1J - FORM I VOA-TIC  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

D3CONTROL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000  
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424  
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823202  
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823202D2  
Level: (TRACE or LOW/MED) TRACE Date Received: 03/19/2010  
% Moisture: not dec. Date Analyzed: 03/24/2010  
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 5.4  
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)  
CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02		<del>Unknown</del>	<del>7.02</del>	<del>16</del>	<del>JXB</del>
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D3CONTROLDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823202D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823202D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 62.9

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	31	U
74-87-3	Chloromethane	31	U
75-01-4	Vinyl chloride	31	U
74-83-9	Bromomethane	31	U
75-00-3	Chloroethane	31	U
75-69-4	Trichlorofluoromethane	31	U
75-35-4	1,1-Dichloroethene	31	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	31	U
67-64-1	Acetone	310	U
75-15-0	Carbon disulfide	31	U
79-20-9	Methyl acetate	31	U
75-09-2	Methylene chloride	19	DJ
156-60-5	trans-1,2-Dichloroethene	31	U
1634-04-4	Methyl tert-butyl ether	31	U
75-34-3	1,1-Dichloroethane	31	U
156-59-2	cis-1,2-Dichloroethene	31	U
78-93-3	2-Butanone	310	U
74-97-5	Bromochloromethane	31	U
67-66-3	Chloroform	31	U
71-55-6	1,1,1-Trichloroethane	31	U
110-82-7	Cyclohexane	31	U
56-23-5	Carbon tetrachloride	31	U
71-43-2	Benzene	31	U
107-06-2	1,2-Dichloroethane	31	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.  
D3CONTROLDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823202D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823202D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 62.9

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	880	D
108-87-2	Methylcyclohexane	31	U
78-87-5	1,2-Dichloropropane	31	U
75-27-4	Bromodichloromethane	31	U
10061-01-5	cis-1,3-Dichloropropene	31	U
108-10-1	4-Methyl-2-pentanone	310	U
108-88-3	Toluene	31	U
10061-02-6	trans-1,3-Dichloropropene	31	U
79-00-5	1,1,2-Trichloroethane	31	U
127-18-4	Tetrachloroethene	31	U
591-78-6	2-Hexanone	310	U
124-48-1	Dibromochloromethane	31	U
106-93-4	1,2-Dibromoethane	31	U
108-90-7	Chlorobenzene	31	U
100-41-4	Ethylbenzene	31	U
95-47-6	o-Xylene	31	U
179601-23-1	m,p-Xylene	31	U
100-42-5	Styrene	31	U
75-25-2	Bromoform	31	U
98-82-8	Isopropylbenzene	31	U
79-34-5	1,1,2,2-Tetrachloroethane	31	U
541-73-1	1,3-Dichlorobenzene	31	U
106-46-7	1,4-Dichlorobenzene	31	U
95-50-1	1,2-Dichlorobenzene	31	U
96-12-8	1,2-Dibromo-3-chloropropane	31	U
120-82-1	1,2,4-Trichlorobenzene	31	U
87-61-6	1,2,3-Trichlorobenzene	31	U

SOM01.2



1J - FORM I VOA-TIC  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

D3CONTROLDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823202D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823202D

Level: (TRACE or LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

GC Column: DB-624

ID: 0.53

(mm)

Dilution Factor: 62.9

Soil Extract Volume:

(uL)

Soil Aliquot Volume:

(uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L

Purge Volume: 25.0

(mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	=====	=====	=====	=====	=====
01		<del>Unknown</del>	<del>10.39</del>	<del>230</del>	<del>JXBD</del>
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
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19					
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23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.  
TRIP BLANK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000  
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424  
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823203  
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823203  
Level: (TRACE/LOW/MED) TRACE Date Received: 03/19/2010  
% Moisture: not dec. Date Analyzed: 03/21/2010  
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0  
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)  
Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2



1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823203

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823203

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SOM01.2

1J - FORM I VOA-TIC  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.  
TRIP BLANK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000  
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424  
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823203  
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823203  
Level: (TRACE or LOW/MED) TRACE Date Received: 03/19/2010  
% Moisture: not dec. Date Analyzed: 03/21/2010  
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0  
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)  
CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02		<del>Unknown</del>	<del>10.40</del>	<del>3.7</del>	<del>JXB</del>
03					
04					
05					
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09					
10					
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26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

## **APPENDIX C**



### CHAIN OF CUSTODY RECORD

<b>Report to:</b> Company: <u>Lawrence Associates</u> Address: <u>220 E. 70th St. 9</u> <u>Manhasset, NY 11030</u> Contact: <u>Kevin D. Dwyer</u> Phone: <u>609-714-2420</u> Fax: <u>609-714-2455</u> Contract/Quote: _____				<b>Invoice to:</b> Company: <u>SAFE</u> Address: _____ Contact: _____ Phone: _____ Fax: _____				<b>ANALYSIS REQUESTED</b> 72L-VOL SUM 012				Lab Use Only Due Date: _____ Temp. of coolant when received (C°): <u>1.3</u> 1 2 3 4 5 Custody Seal N/D Intact N/D Screened For Radioactivity <input type="checkbox"/>			
<b>Sampler's Name</b> <u>Kevin D. Dwyer</u> Project Name <u>LAWRENCE ASSOCIATES</u> No./Type of Containers VOA A/Q 250 P/O 1 LL 1 LL ml				<b>Identifying Marks of Sample(s)</b> 3 D=3, 175% HIGH 3 D=3, 20% MEDIUM 3 D=3, 20% HIGH 3 D=3, LOW 3 Imp. GLASS				Lab/Sample ID (Lab Use Only)							
<b>Relinquished by (Signature)</b> <u>[Signature]</u> Date <u>3/13</u> Time <u>10:05</u>				<b>Received by (Signature)</b> <u>[Signature]</u> Date <u>3/13</u> Time <u>10:05</u>				Remarks: <u>Personal Assure to AS</u> <u>QUENCH ASSET IN BOTTLES</u>							
<b>Relinquished by (Signature)</b> <u>[Signature]</u> Date _____ Time _____				<b>Received by (Signature)</b> Date _____ Time _____				Client's delivery of samples constitutes acceptance of TestAmerica terms and conditions contained in the Price Schedule.							
<b>Relinquished by (Signature)</b> Date _____ Time _____				<b>Received by (Signature)</b> Date _____ Time _____				Please Fax written changes to (802) 660-1890							