

Premier Environmental Services

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

ORGANIC AND INORGANIC ANALYSES
IN AQUEOUS SAMPLES

TEST AMERICA LABORATORIES, INC.
SOUTH BURLINGTON, VT

SDG NUMBER: 137114

July, 2010

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DATA VALIDATION FOR: Volatile Organic Compounds (VOC's)

SITE: Lawrence Aviation Superfund Site
Port Jefferson, New York

CONTRACT LAB: Test America Laboratories, Inc.
South Burlington, VT

PROJECT NO.: 137114

REVIEWER: Renee Cohen

DATE REVIEW COMPLETED: July, 2010

MATRIX: Aqueous

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 five (5) aqueous samples, two (2) Trip Blank samples and one (1) Field Blank sample. This data assessment is for the volatile organic analyses listed on the COC documents that accompanied the samples to the laboratory. The samples in this data set were collected April 27, 2010 and April 28, 2010 and received at Test America Laboratories located in South Burlington, VT on April 30, 2010 for the analyses requested on the COC documentation. The sample in this data set was analyzed for Volatile Organic Analytes (VOA) in accordance with USEPA CLP Method SOM01.2 for Trace Level analyses. The samples were also analyzed for metals and other inorganic parameters. The review of the other analytes is located in stand-alone data reports enclosed herein.

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 Trace Level Water Analyses. A summary of the applicable QC will be discussed at each section of the report.

Laboratory report 137114 consists of the analysis of eight (8) aqueous samples for Volatile Organic Analytes. The Chain of Custody documents listed the field sample ID's that are summarized in Table 1 of this report.

These samples were received at Test America Laboratories on April 30, 2010. The samples was transferred to the VOA sample refrigerators on April 30, 2010. The storage blank sample VHBLK01 was placed in the refrigerator on April 30, 2010 with site samples.

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 NaHS04 is fourteen (14) days from sample collection.

The samples in this data set were collected April 27, 2010 and April 28, 2010 and received at the laboratory on April 20, 2010. The initial and dilution analyses associated with this data set were completed by May 3, 2010. All sample analyses were performed within the technical 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.

The aqueous samples are fortified with thirteen (13) method specified DMC's prior to analysis. The method cites recovery limits for each surrogate. The percent recovery of each DMC met the method specified QC criteria in all samples with the exception of samples ISCO IW-05 and ISCO IW-06. The recovery of 1,2-Dichloropropane-d6 was slightly below the cited QC limits. These were the sample reanalyses at a lower dilution. The target analytes associated with this deuterated surrogate monitoring compound have been qualified "UJ" estimated.

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. In addition the method requires the analysis of an Instrument blank immediately following the analysis of a sample that has saturated ions.

A) Method Blank contamination

Three (3) method blank samples are associated with the Trace Level Volatile Organic analyses (aqueous samples) in this data set.

Method Blank (VBLKJC-4/30/10) was free from contamination of target analytes with the exception of Acetone (3.2 J ug/l) and 2-Butanone (1.6 J ug/l) and one (1) unknown Tentatively Identified Compound (TIC) at retention time 7.01. 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.

Method Blank (VBLKJD-5/1/10) was free from contamination of target analytes with the exception of Acetone (2.8 J ug/l) and 2-Butanone (1.3 J ug/l) and one (1) unknown Tentatively Identified Compound (TIC) at retention time 7.01. 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.

Method Blank (VBLKJE-5/3/10) was free from contamination of target analytes with the exception of Acetone (2.2 J ug/l) and 2-Butanone (1.1 J ug/l) and one (1) unknown Tentatively Identified Compound (TIC) at retention time 7.01. 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. This method blank sample is associated with the storage blank sample associated with this data set (VHBLK01).

These target analytes and unknown TIC compound have been negated and qualified "U" in the associated samples reported in this data set.

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

The aqueous storage blank sample associated with 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 7.01 (2.8 JXB ug/l.). This is the TIC that was identified in the associated method blank sample and been previously negated in all associated samples.

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

The Instrument Blank following the analysis of sample ISCO MW-01 contained Isopropyl Alcohol (9.3 JN ug/l). The previous method Instrument Blank sample did not contain this analyte therefore the Isopropyl Alcohol in this sample was not negated. Isopropyl Alcohol was not detected in any other sample reported with this data set.

ORGANIC DATA ASSESSMENT

5. BLANK CONTAMINATION (cont'd):

B) Field or Equipment Rinse Blank (ERB) contamination

A Field Blank sample (FB100428) was collected with this data set. The Field Blank sample was free from contamination of all target analytes with the exception of Chloroform (0.50 J ug/l) and one (1) unknown TIC at retention time 7.01 (2.8 JXB ug/l).

C) Trip Blank contamination

Two (2) Trip Blank samples are associated with this data set. The Trip Blank sample (TB-0428) was free from contamination of all target analytes with the exception of one (1) TIC compound at retention time 7.01 (2.8 ug/l JXB). The Trip Blank sample (TB-0429) was free from contamination of all target analytes with the exception of one (1) TIC compound at retention time 7.01 (2.8 ug/l JXB).

This unknown TIC compounds was also detected in the associated method blank sample and has been negated in each of the samples associated with this data set.

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

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 April 5, 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.

Three (3) opening and three (3) closing continuation calibration standards are associated with this sample set. The opening CCV standards were analyzed April 30, 2010, May 1, 2010 and May 3, 2010. The opening and closing CCV standards are 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:

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 April 5, 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 April 30, 2010 through May 3, 2010. The opening and closing CCV standards are reported on each day of analysis. The %Difference criteria for each of the opening and closing CCV standard 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 ± 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 ± 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.

Five (5) aqueous samples, one (1) Field Blank sample and two (2) Trip Blank samples 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.

Sample ISCO MW 04 was initially analyzed using a dilution of 1:45.8 based on the results of preliminary screening and the concentration of target analytes detected at this sample point. Tetrachloroethene was reported from this sample analysis at a concentration of 530 D ug/l. A less concentrated analysis was performed (1:3.7) to report a lower concentration of those target analytes not reported in the initial higher dilution analysis.

Sample ISCO MW 01 was initially analyzed using a dilution of 1:14.2 based on the results of preliminary screening and the concentration of target analytes detected at this sample point. Tetrachloroethene was reported from this sample analysis at a concentration of 240 D ug/l. A less concentrated analysis was performed (1:1.2) to report a lower concentration of those target analytes not reported in the initial higher dilution analysis.

Sample ISCO IW-05 was initially analyzed using a dilution of 1:76.5 based on the results of preliminary screening. Tetrachloroethene was reported from this sample analysis at a concentration of 1000 D ug/l. A less concentrated analysis was performed (1:6.7) to report a lower concentration of those target analytes not reported in the initial higher dilution analysis.

Sample ISCO IW-06 was initially analyzed using a dilution of 1:25.9 based on the results of preliminary screening. Tetrachloroethene was reported from this sample analysis at a concentration of 270 D ug/l. A less concentrated analysis was performed (1:2.1) to report a lower concentration of those target analytes not reported in the initial higher dilution analysis.

ORGANIC DATA ASSESSMENT

9. COMPOUND IDENTIFICATION (cont'd):

Sample ISCO IW-16 was initially analyzed using a dilution of 1:27.5 based on the results of preliminary screening. Tetrachloroethene was reported from this sample analysis at a concentration of 280 D ug/l. A less concentrated analysis was performed (1:2.3) to report a lower concentration of those target analytes not reported in the initial higher dilution analysis.

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. The data reported in this data set is acceptable for use, with the noted data qualifiers.

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

DATA VALIDATION FOR: Target Analyte List of Metals (TAL)
SITE: Lawrence Aviation Superfund Site
CONTRACT LAB: Test America Laboratories
South Burlington, VT
SDG NO.: 137114
REVIEWER: Rence Cohen
DATE REVIEW COMPLETED: July, 2010
MATRIX: Aqueous

The Chain of Custody (COC) documentation associated with this data set listed eight (8) aqueous samples. These samples were collected April 27, 2010, April 28, 2010 and April 29, 2010 and delivered to Test America Laboratories located in South Burlington, VT on April 30, 2010.

The data evaluation was performed according to the guidelines noted in the "National Functional Guidelines for Inorganic Data Review", February 1999 and the USEPA Region II SOP for the Review of Inorganic Data (HW-2, Rev. 13 (10/06)).

Several factors should be noted for all persons using this data. Persons using this data should be aware that no result is guaranteed to be accurate even if it has passed all QC tests. The main purpose of this review is to appropriately qualify outliers and to determine whether the results presented meet the specific site/project criteria for data quality and data use.

Table I of this report contains a cross reference between the Field Sample ID's and the Laboratory Sample ID's. Appendix A of this report contains a summary of the data qualifiers that may be used in the report. Appendix B contains the qualified data result pages. Appendix C contains the Chain of Custody (COC) documents associated with this data set.

The samples in this data set were analyzed for TAL metals. These samples were also analyzed for Volatile Organic Analytes (VOA) and miscellaneous wet chemistry analytes. The data review associated with these analyses is located in stand alone data reports that are enclosed with this complete report.

1. OVERVIEW

Eight (8) samples were collected on April 27-29, 2010 and delivered to Test America Laboratories located in South Burlington, VT on April 30, 2010. The samples are reported in laboratory SDG 137114. Table 1 of this report lists each of the field sample and laboratory sample ID's. The samples were analyzed for the parameters listed on the COC documents. A full deliverable report was required to report the sample results. Six (6) aqueous samples in this data set were prepared and analyzed for the TAL Metal list of 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. Metals with the exception of Mercury, is required to be digested and analyzed within 180 days of Verified Time of Sample Receipt (VTSR). Mercury samples are to be digested and analyzed within 26 days of VTSR.

The aqueous samples were prepared and analyzed for the Target Analyte Metals (TAL). The ICP Metals were prepared in one batch on May 7, 2010. The digestates were analyzed in one (1) sequence on May 10, 2010. The samples were prepared for Mercury analysis on May 4, 2010 and analyzed in one (1) sequence on May 6, 2010.

All sample digestion and analyses associated with this data set were performed within the method holding time.

3. CALIBRATION ANALYSIS

Inductively Coupled Plasma (ICP) was utilized for these analyses. The ICP was calibrated using the calibration standards required by the manufacturer. An initial calibration verification (ICV) standard is then analyzed to verify instrument calibration. One (1) continuing calibration standard was analyzed after each ten (10) field samples. One (1) analytical sequence is associated with this data set. All target analytes were analyzed and reported. The laboratory reported provided raw data of each sequence for review. All ICV and CCV standards associated with this data set met QC criteria in each of these analytical sequences.

The Mercury analyses were performed in one (1) analytical sequence. The sample associated with this data set was analyzed on May 6, 2010. The laboratory reported provided raw data for this sequence to review. Review of the raw data to the results reported on the summary forms was made. All raw data matched that reported on the summary forms. All QC criteria were met in the data associated with this data set.

4. ICP CRDL STANDARD

The CRDL standard is used for the verification of instrument linearity near the CRDL. The CRDL standard control limits are 70%-130% recovery. If the CRDL standard falls outside of the control limits, associated data less than or equal to the 10X the CRDL are qualified estimated (J or UJ) or rejected (R) depending on the recovery of the CRDL standard and the concentration of the analyte in the sample. When the CRDL standard exceeds the control limit, indicating a high bias samples are qualified estimated (J or UJ).

The laboratory analyzed one (1) CRDL standard with each of the ICP analytical sequences. The recovery of all target analytes met QC criteria in each of the ICP analytical sequences.

5. ICP INTERFERENCE CHECK STANDARD

The Interference Check Standard (ICS) is used to verify the laboratory interelement and background correction factors of the ICP. Two solutions comprise the ICS A and ICS AB. Solution A consists of the interferent metals while solution AB is the group of target analytes and the interferent metals. An ICS analysis consists of analyzing both solutions consecutively for all wavelengths used for each analyte reported by ICP. The ICP ICS standards are to be analyzed at the beginning and end of each analytical run. The results are to fall within control limits of +/-20% of the true value.

The laboratory analyzed one (1) ICSA and one (1) ICSAB standard with each ICP analytical sequence. These QC samples are used to verify the laboratory interelement and background correction factors of the ICP. The recovery of all target analytes met QC criteria in each of the analytical sequences associated with this data set.

6. MATRIX SPIKE (MS) ANALYSIS

The spike sample analysis provides information about the effect of the sample matrix upon the digestion and measurement methodology. The spike control limits are 75%-125% when the sample concentration is less than four (4) times the spike added. If the matrix spike recoveries fall in the range of 30%-74%, the sample results are may be biased low and are qualified as estimated (J or UJ). If the matrix spike recoveries fall in the range of 126%-200%, sample results may be biased high. Positive results are qualified estimated (J). If the spike recovery is greater than 125% and the reported sample results are less than the IDL the data point is acceptable for use. If the matrix spike recovery is greater than 200%, the associated sample data are unusable and are rejected (R). If matrix spike results are less than 30%, the associated non-detect results are qualified unusable and rejected (R), and the results reported above the IDL are qualified estimated (J).

Site specific MS analysis was not prepared or analyzed with these ICP Metal or CVAA Mercury analyses.

7. POST DIGESTION SPIKE ANALYSIS

The post digestion spike sample analysis provides additional information about the effect of the sample matrix upon the digestion and measurement methodology. The post digestion spike is performed for each analyte that the pre-digestion spike recovery falls outside the 75-125% control limit.

Post digestion spike analysis was not reported with this data set.

8. DUPLICATE SAMPLE ANALYSIS

The laboratory duplicate sample analysis is used to evaluate the laboratory precision of the method for each analyte. If the duplicate sample analysis results for a particular analyte fall outside the control windows of 20% RPD or +/-CRDL, whichever is appropriate depending upon the concentration of the sample, the associated sample results are qualified "J" estimated.

Laboratory duplicate analysis was not reported with this data set.

9. ICP SERIAL DILUTION

The serial dilution analysis indicates whether significant physical or chemical interference's exist due to the sample matrix. If the concentration of any analyte in the original sample is greater than 50 times the instrument detection limit (IDL), an analysis of a 5-fold dilution samples must yield results which have a percent difference (%D) of less than or equal to 10 with the original sample results. If the %D of the serial dilution exceeds the 10% (and is not greater than 100%) for a particular analyte, all the associated sample results are qualified estimated (J).

Serial dilution analysis was performed on sample ISCO MW-04. The %Difference of all target analytes in the serial dilution analysis met QC criteria.

10. BLANKS

Blank analyses are assessed to determine the existence and magnitude of contamination problems. The criteria for the evaluation of blanks applies to all blanks, including but not limited to reagent blanks, method blanks and field blanks. The responsibility for action in the case of an unsuitable blank result depends upon the circumstances and the origin of the blank itself. If the problem with any blank exists, then all associated data must be carefully evaluated to determine whether there is inherent variability in the data for that case, or the problem is an isolated occurrence not affecting other data.

The laboratory provided a summary report form for the method blank associated with each of the sample preparation batches. The ICP preparation blank was free from contamination of all target analytes above the reporting limit.

The preparation blank associated with the Mercury sample analysis was free from contamination.

The laboratory provided summary forms to report the ICB and CCB analyses. All QC criteria were met in the ICB/CCB analyses associated with this data set.

11. LABORATORY CONTROL SAMPLE ANALYSIS (LCS)

The laboratory control sample (LCS) analysis provides information about the efficiency of the laboratory digestion procedure. If the recovery of any analyte is outside the established control limits, then laboratory performance and method accuracy are in question. Professional judgment is used to determine if data should be qualified or rejected.

The ICP LCS sample was fortified with all target analytes. Recovery limits of 80%-120% were applied to each target analyte. The recovery of all target analytes met QC criteria in the LCS sample.

All recoveries in the Mercury Laboratory Control Sample associated with this data set met QC criteria.

12. INSTRUMENT QC DATA

The laboratory provided the required annual and semiannual ICP Instrument QC summary report forms in this data report. This information was not reviewed by this data validator. All annual and semiannual QC studies were performed by the laboratory.

13. COMPOUND IDENTIFICATION

Six (6) aqueous samples were analyzed for TAL Metals. The sample was analyzed in accordance with the required method (ILM05.4). The samples data was reported in the units ug/l (ppb).

14. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

This data set included the reporting of six (6) aqueous samples. The samples were analyzed for the TAL metals list. A copy of the Chain of Custody is located in Appendix C of this report. The sample results are reported in accordance with the cited methods.

The TAL metals reported in this data set are acceptable for use without data qualifiers.

Data Validation Report

DATA VALIDATION FOR: Miscellaneous Wet Chemistry

SITE: Lawrence Aviation Superfund Site

CONTRACT LAB: Test America Laboratories
South Burlington, VT

SDG: 137114

REVIEWER: Renee Cohen

DATE REVIEW COMPLETED: July, 2010

MATRIX: Aqueous

The Chain of Custody (COC) documentation associated with this data set included eight (8) aqueous samples. The samples were collected on April 27, 2010 and April 28, 2010. The samples were delivered to Test America Laboratories located in South Burlington, VT on April 30, 2010. The sample was then subcontracted to the Test America Laboratories location in Savannah, GA. The sample was received in Georgia on May 1, 2010.

The data evaluation was performed in accordance with the QAPP that was developed for this site as well as method recommended QC practices. Several factors should be noted for all persons using this data. Persons using this data should be aware that no result is guaranteed to be accurate even if it has passed all QC tests. The main purpose of this review is to appropriately qualify outliers and to determine whether the results presented meet the specific site/project criteria for data quality and data use.

Table 1 of this report contains a cross reference between the Field Sample ID's and the Laboratory Sample ID's. Appendix A of this report contains a summary of the data qualifiers that may be used in the report. Appendix B contains the qualified data result pages. Appendix C contains the Chain of Custody (COC) documents associated with this data set.

The samples in this data set were analyzed for Miscellaneous Wet Chemistry parameters that were specified on the COC documents that accompanied the samples to the laboratory. This data review is associated with these Miscellaneous Wet Chemistry Analyses.

1. OVERVIEW

Five (5) aqueous samples were collected on April 27, 2010 and April 28, 2010 and received at the laboratory for the cited analyses on April 30, 2010. The Wet Chemistry analytes were subcontracted to the Test America Laboratory located in Savannah GA.

Table 1 is a summary of the field sample ID and laboratory sample ID. The samples in this data set were analyzed for the parameters listed on the COC documents. A full data deliverable was generated to report these analyses. These samples were analyzed for Chloride (EPA Method 300.0), Sulfate (EPA Method 300.0), Total Dissolved Solids (SM2540C), Total Suspended Solids (SM2540D), Alkalinity (SM2320B) and Total Organic Carbon (SM5310B).

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 miscellaneous wet chemistry analytes have specific holding times cited in the approved method.

The samples in this data set were prepared and analyzed for the cited analyses within the method specified holding times.

3. CALIBRATION ANALYSIS

The laboratory summarized the initial and continuing calibration data associated with each of the wet chemistry analytes where applicable. All initial and continuing calibration standard analyses associated with this data set met QC criteria.

4. MATRIX SPIKE (MS) ANALYSIS

Multiple samples were utilized for the matrix spike analyses for each of these parameters. Acceptable recovery of the MS is +/- 25% of the True Value. Site specific matrix spike analysis was performed on sample ISCO MW-04 for Chloride and Sulfate by Ion Chromatography (EPA Method 300.0). The recovery of Chloride in the matrix spike analysis met QC criteria. The recovery of Sulfate was slightly above QC limits in the matrix spike analysis. Sulfate has been qualified "J" estimated in each of the samples that reported with this data set.

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

5. DUPLICATE SAMPLE ANALYSIS

The laboratory duplicate sample analysis is used to evaluate the laboratory precision of the method for each analyte. If the duplicate sample analysis results for a particular analyte fall outside the control windows of 20% RPD or +/- CRDL, whichever is appropriate depending upon the concentration of the sample, the associated sample results are qualified "J" estimated. Sample ISCO IW-06 was utilized as the duplicate sample for TOC analysis. The RPD of this duplicate analysis met QC criteria.

6. BLANKS

Blank analyses are assessed to determine the existence and magnitude of contamination problems. The criteria for the evaluation of blanks applies to all blanks, including but not limited to reagent blanks, method blanks and field blanks. The responsibility for action in the case of an unsuitable blank result depends upon the circumstances and the origin of the blank itself. If the problem with any blank exists, then all associated data must be carefully evaluated to determine whether there is inherent variability in the data for that case, or the problem is an isolated occurrence not affecting other data.

The laboratory provided Method Blank data results for all the Wet Chemistry analytes. The method blank and/or preparation blank associated with all of the miscellaneous Wet Chemistry methods was free from contamination of the target analyte above the reporting limit.

7. LABORATORY CONTROL SAMPLE ANALYSIS (LCS)

The laboratory control sample (LCS) analysis provides information about the efficiency of the laboratory digestion procedure. If the recovery of any analyte is outside the established control limits, then laboratory performance and method accuracy are in question. Professional judgment is used to determine if data should be qualified or rejected.

The laboratory reported LCS and/or LCSD recovery for each of the analyses reported with this data set. The recovery of each LCS and/or LCSD met QC criteria.

8. COMPOUND IDENTIFICATION

All samples results are reported in accordance with the cited methods. Each of the samples in this data set were prepared and analyzed without dilution with the exception of the Ion Chromatography analyses (300.0). The Chloride and Sulfate analyses were analyzed using a dilution due to the color and appearance of the sample. Reporting limits have been elevated to reflect the sample dilution utilized for these analyses.

9. FIELD DUPLICATE DATA RESULTS:

Field duplicate samples are taken and analyzed as an indication of overall precision. These measure both field and laboratory precision; therefore, the results may have more variability than lab duplicate samples. Soil samples are also expected to have a greater variance due to the difficulties associated with collecting exact duplicate soil samples. Data was not qualified based on the results of the field duplicate sample data.

Field duplicate analysis was not reported with this data set.

10. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

The inorganic analyses associated with this data set included the reporting of five (5) aqueous samples. The samples were analyzed for Miscellaneous Wet Chemistry analytes as noted on the COC documents that accompanied the data set. A copy of the Chain of Custody is located in Appendix C of this report. The sample results are reported in accordance with the cited methods.

The Miscellaneous Wet Chemistry data results are acceptable for use with the noted data qualifiers. Data qualification is detailed in the above text.

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

TABLE 1

FIELD SAMPLE ID

LABORATORY ID

ISCO MW-04	826421
ISCO MW-01	826422
FB 100428	826423
TRIP BLANK	826424
ISCO IW-05	826425
ISCO IW-06	826426
ISCO IW-16	826427
TRIP BLANK	826428
VHBLK01	826429

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.

ISCOMW04

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114
 Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828421
 Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828421D2
 Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010
 % Moisture: not dec. Date Analyzed: 05/01/2010
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 3.7
 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	1.9	U
74-87-3	Chloromethane	1.9	U
75-01-4	Vinyl chloride	1.9	U
74-83-9	Bromomethane	1.9	U
75-00-3	Chloroethane	1.9	U
75-69-4	Trichlorofluoromethane	1.9	U
75-35-4	1,1-Dichloroethene	1.9	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.9	U
67-64-1	Acetone	19	U
75-15-0	Carbon disulfide	1.9	U
79-20-9	Methyl acetate	1.9	U
75-09-2	Methylene chloride	1.9	U
156-60-5	trans-1,2-Dichloroethene	1.9	U
1634-04-4	Methyl tert-butyl ether	1.9	U
75-34-3	1,1-Dichloroethane	1.9	U
156-59-2	cis-1,2-Dichloroethene	1.0	J
78-93-3	2-Butanone	19	U
74-97-5	Bromochloromethane	1.9	U
67-66-3	Chloroform	1.9	U
71-55-6	1,1,1-Trichloroethane	1.9	U
110-82-7	Cyclohexane	1.9	U
56-23-5	Carbon tetrachloride	1.9	U
71-43-2	Benzene	1.9	U
107-06-2	1,2-Dichloroethane	1.9	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.

ISCOMW04

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 828421

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

Lab File ID: 828421D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 04/30/2010

% Moisture: not dec.

Date Analyzed: 05/01/2010

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

Dilution Factor: 3.7

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
			490	E
79-01-6	Trichloroethene		1.9	U
108-87-2	Methylcyclohexane		1.9	U
78-87-5	1,2-Dichloropropane		1.9	U
75-27-4	Bromodichloromethane		1.9	U
10061-01-5	cis-1,3-Dichloropropene		19	U
108-10-1	4-Methyl-2-pentanone		1.9	U
108-88-3	Toluene		1.9	U
10061-02-6	trans-1,3-Dichloropropene		1.9	U
79-00-5	1,1,2-Trichloroethane		3.0	
127-18-4	Tetrachloroethene		19	U
591-78-6	2-Hexanone		1.9	U
124-48-1	Dibromochloromethane		1.9	U
106-93-4	1,2-Dibromoethane		1.9	U
108-90-7	Chlorobenzene		1.9	U
100-41-4	Ethylbenzene		1.9	U
95-47-6	o-Xylene		1.9	U
179601-23-1	m,p-Xylene		1.9	U
100-42-5	Styrene		1.9	U
75-25-2	Bromoform		1.9	U
98-82-8	Isopropylbenzene		1.9	U
79-34-5	1,1,2,2-Tetrachloroethane		1.9	U
541-73-1	1,3-Dichlorobenzene		1.9	U
106-46-7	1,4-Dichlorobenzene		1.9	U
95-50-1	1,2-Dichlorobenzene		1.9	U
96-12-8	1,2-Dibromo-3-chloropropane		1.9	U
120-82-1	1,2,4-Trichlorobenzene		1.9	U
87-61-6	1,2,3-Trichlorobenzene		1.9	U

SOM01.2

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

EPA SAMPLE NO.

ISCOMW04

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114
 Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828421
 Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828421D2
 Level: (TRACE or LOW/MED) TRACE Date Received: 04/30/2010
 % Moisture: not dec. Date Analyzed: 05/01/2010
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 3.7
 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	7.01	10	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.

ISCOMW04DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114
 Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828421D1
 Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828421D
 Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010
 % Moisture: not dec. Date Analyzed: 04/30/2010
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 45.8
 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	23	U
74-87-3	Chloromethane	23	U
75-01-4	Vinyl chloride	23	U
74-83-9	Bromomethane	23	U
75-00-3	Chloroethane	23	U
75-69-4	Trichlorofluoromethane	23	U
75-35-4	1,1-Dichloroethene	23	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	23	U
67-64-1	Acetone	230	U
75-15-0	Carbon disulfide	23	U
79-20-9	Methyl acetate	23	U
75-09-2	Methylene chloride	23	U
156-60-5	trans-1,2-Dichloroethene	23	U
1634-04-4	Methyl tert-butyl ether	23	U
75-34-3	1,1-Dichloroethane	23	U
156-59-2	cis-1,2-Dichloroethene	23	U
78-93-3	2-Butanone	230	U
74-97-5	Bromochloromethane	23	U
67-66-3	Chloroform	23	U
71-55-6	1,1,1-Trichloroethane	23	U
110-82-7	Cyclohexane	23	U
56-23-5	Carbon tetrachloride	23	U
71-43-2	Benzene	23	U
107-06-2	1,2-Dichloroethane	23	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.

ISCOMW04DL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 828421D1

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

Lab File ID: 828421D

Level: (TRACE/LOW/MED) TRACE

Date Received: 04/30/2010

% Moisture: not dec.

Date Analyzed: 04/30/2010

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

Dilution Factor: 45.8

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	530	D
108-87-2	Methylcyclohexane	23	U
78-87-5	1,2-Dichloropropane	23	U
75-27-4	Bromodichloromethane	23	U
10061-01-5	cis-1,3-Dichloropropene	23	U
108-10-1	4-Methyl-2-pentanone	230	U
108-88-3	Toluene	23	U
10061-02-6	trans-1,3-Dichloropropene	23	U
79-00-5	1,1,2-Trichloroethane	23	U
127-18-4	Tetrachloroethene	23	U
591-78-6	2-Hexanone	230	U
124-48-1	Dibromochloromethane	23	U
106-93-4	1,2-Dibromoethane	23	U
108-90-7	Chlorobenzene	23	U
100-41-4	Ethylbenzene	23	U
95-47-6	o-Xylene	23	U
179601-23-1	m,p-Xylene	23	U
100-42-5	Styrene	23	U
75-25-2	Bromoform	23	U
98-82-8	Isopropylbenzene	23	U
79-34-5	1,1,2,2-Tetrachloroethane	23	U
541-73-1	1,3-Dichlorobenzene	23	U
106-46-7	1,4-Dichlorobenzene	23	U
95-50-1	1,2-Dichlorobenzene	23	U
96-12-8	1,2-Dibromo-3-chloropropane	23	U
120-82-1	1,2,4-Trichlorobenzene	23	U
87-61-6	1,2,3-Trichlorobenzene	23	U

SOM01.2

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

EPA SAMPLE NO.
 ISCOMW04DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114
 Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828421D1
 Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828421D
 Level: (TRACE or LOW/MED) TRACE Date Received: 04/30/2010
 % Moisture: not dec. Date Analyzed: 04/30/2010
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 45.8
 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		Unknown	7.01	120	JXBD U
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.

ISCOMW01

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114
 Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828422
 Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828422D3
 Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010
 % Moisture: not dec. Date Analyzed: 05/01/2010
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.2
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
 Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
75-71-8	Dichlorodifluoromethane		0.60	U
74-87-3	Chloromethane		0.60	U
75-01-4	Vinyl chloride		0.60	U
74-83-9	Bromomethane		0.60	U
75-00-3	Chloroethane		0.60	U
75-69-4	Trichlorofluoromethane		0.60	U
75-35-4	1,1-Dichloroethene		0.60	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		0.60	U
67-64-1	Acetone		19	B U
75-15-0	Carbon disulfide		0.60	U
79-20-9	Methyl acetate		0.60	U
75-09-2	Methylene chloride		0.60	U
156-60-5	trans-1,2-Dichloroethene		0.60	U
1634-04-4	Methyl tert-butyl ether		0.38	J
75-34-3	1,1-Dichloroethane		0.60	U
156-59-2	cis-1,2-Dichloroethene		1.3	
78-93-3	2-Butanone		0.52	JB U
74-97-5	Bromochloromethane		0.60	U
67-66-3	Chloroform		0.60	U
71-55-6	1,1,1-Trichloroethane		0.60	U
110-82-7	Cyclohexane		0.60	U
56-23-5	Carbon tetrachloride		0.60	U
71-43-2	Benzene		0.60	U
107-06-2	1,2-Dichloroethane		0.60	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.

ISCOMW01

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114
 Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828422
 Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828422D3
 Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010
 % Moisture: not dec. Date Analyzed: 05/01/2010
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.2
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
 Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
79-01-6	Trichloroethene		240	E
108-87-2	Methylcyclohexane		0.60	U
78-87-5	1,2-Dichloropropane		0.60	U
75-27-4	Bromodichloromethane		0.60	U
10061-01-5	cis-1,3-Dichloropropene		0.60	U
108-10-1	4-Methyl-2-pentanone		6.0	U
108-88-3	Toluene		0.29	J
10061-02-6	trans-1,3-Dichloropropene		0.60	U
79-00-5	1,1,2-Trichloroethane		0.60	U
127-18-4	Tetrachloroethene		1.9	
591-78-6	2-Hexanone		6.0	U
124-48-1	Dibromochloromethane		0.60	U
106-93-4	1,2-Dibromoethane		0.60	U
108-90-7	Chlorobenzene		0.60	U
100-41-4	Ethylbenzene		0.60	U
95-47-6	o-Xylene		0.60	U
179601-23-1	m,p-Xylene		0.60	U
100-42-5	Styrene		0.60	U
75-25-2	Bromoform		0.60	U
98-82-8	Isopropylbenzene		0.60	U
79-34-5	1,1,2,2-Tetrachloroethane		0.60	U
541-73-1	1,3-Dichlorobenzene		0.60	U
106-46-7	1,4-Dichlorobenzene		0.60	U
95-50-1	1,2-Dichlorobenzene		0.60	U
96-12-8	1,2-Dibromo-3-chloropropane		0.60	U
120-82-1	1,2,4-Trichlorobenzene		0.60	U
87-61-6	1,2,3-Trichlorobenzene		0.60	U

SOM01.2

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

EPA SAMPLE NO.

ISCOMW01

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114
 Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828422
 Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828422D3
 Level: (TRACE or LOW/MED) TRACE Date Received: 04/30/2010
 % Moisture: not dec. Date Analyzed: 05/01/2010
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.2
 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	67-63-0	Isopropyl Alcohol	2.71	9.3	NJ
02		Unknown	7.01	3.3	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.

ISCOMW01DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114
 Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828422D1
 Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828422D2
 Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010
 % Moisture: not dec. Date Analyzed: 05/01/2010
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 14.2
 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	7.1	U
74-87-3	Chloromethane	7.1	U
75-01-4	Vinyl chloride	7.1	U
74-83-9	Bromomethane	7.1	U
75-00-3	Chloroethane	7.1	U
75-69-4	Trichlorofluoromethane	7.1	U
75-35-4	1,1-Dichloroethene	7.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	7.1	U
67-64-1	Acetone	27	DJB
75-15-0	Carbon disulfide	7.1	U
79-20-9	Methyl acetate	7.1	U
75-09-2	Methylene chloride	7.1	U
156-60-5	trans-1,2-Dichloroethene	7.1	U
1634-04-4	Methyl tert-butyl ether	7.1	U
75-34-3	1,1-Dichloroethane	7.1	U
156-59-2	cis-1,2-Dichloroethene	7.1	U
78-93-3	2-Butanone	71	U
74-97-5	Bromochloromethane	7.1	U
67-66-3	Chloroform	7.1	U
71-55-6	1,1,1-Trichloroethane	7.1	U
110-82-7	Cyclohexane	7.1	U
56-23-5	Carbon tetrachloride	7.1	U
71-43-2	Benzene	7.1	U
107-06-2	1,2-Dichloroethane	7.1	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.

ISCOMW01DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114
 Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828422D1
 Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828422D2
 Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010
 % Moisture: not dec. Date Analyzed: 05/01/2010
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 14.2
 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	240	D
108-87-2	Methylcyclohexane	7.1	U
78-87-5	1,2-Dichloropropane	7.1	U
75-27-4	Bromodichloromethane	7.1	U
10061-01-5	cis-1,3-Dichloropropene	7.1	U
108-10-1	4-Methyl-2-pentanone	71	U
108-88-3	Toluene	7.1	U
10061-02-6	trans-1,3-Dichloropropene	7.1	U
79-00-5	1,1,2-Trichloroethane	7.1	U
127-18-4	Tetrachloroethene	7.1	U
591-78-6	2-Hexanone	71	U
124-48-1	Dibromochloromethane	7.1	U
106-93-4	1,2-Dibromoethane	7.1	U
108-90-7	Chlorobenzene	7.1	U
100-41-4	Ethylbenzene	7.1	U
95-47-6	o-Xylene	7.1	U
179601-23-1	m,p-Xylene	7.1	U
100-42-5	Styrene	7.1	U
75-25-2	Bromoform	7.1	U
98-82-8	Isopropylbenzene	7.1	U
79-34-5	1,1,2,2-Tetrachloroethane	7.1	U
541-73-1	1,3-Dichlorobenzene	7.1	U
106-46-7	1,4-Dichlorobenzene	7.1	U
95-50-1	1,2-Dichlorobenzene	7.1	U
96-12-8	1,2-Dibromo-3-chloropropane	7.1	U
120-82-1	1,2,4-Trichlorobenzene	7.1	U
87-61-6	1,2,3-Trichlorobenzene	7.1	U

SOM01.2

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

EPA SAMPLE NO.

ISCOMW01DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114
 Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828422D1
 Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828422D2
 Level: (TRACE or LOW/MED) TRACE Date Received: 04/30/2010
 % Moisture: not dec. Date Analyzed: 05/01/2010
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 14.2
 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	40	JXBD U
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.

FB100428

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114
 Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828423
 Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828423
 Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010
 % Moisture: not dec. Date Analyzed: 04/30/2010
 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:		Q
		(ug/L or ug/kg)	ug/L	
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	0.25	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.
FB100428

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 828423

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

Lab File ID: 828423

Level: (TRACE/LOW/MED) TRACE

Date Received: 04/30/2010

% Moisture: not dec.

Date Analyzed: 04/30/2010

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:		Q
		(ug/L or ug/kg)	ug/L	
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.
 FB100428

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114
 Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828423
 Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828423
 Level: (TRACE or LOW/MED) TRACE Date Received: 04/30/2010
 % Moisture: not dec. Date Analyzed: 04/30/2010
 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	2.8	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
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13					
14					
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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.

TRIPBLK0429

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114
 Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828424
 Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828424
 Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010
 % Moisture: not dec. Date Analyzed: 04/30/2010
 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.

TRIPBLK0429

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114
 Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828424
 Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828424
 Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010
 % Moisture: not dec. Date Analyzed: 04/30/2010
 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:		Q
		(ug/L or ug/kg)	ug/L	
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.
 TRIPBLK0429

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114
 Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828424
 Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828424
 Level: (TRACE or LOW/MED) TRACE Date Received: 04/30/2010
 % Moisture: not dec. Date Analyzed: 04/30/2010
 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	2.8	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
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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

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

EPA SAMPLE NO.

ISCOIW-05

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 828425

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

Lab File ID: 828425D3

Level: (TRACE/LOW/MED) TRACE

Date Received: 04/30/2010

% Moisture: not dec.

Date Analyzed: 05/01/2010

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

Dilution Factor: 6.7

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	980	E
108-87-2	Methylcyclohexane	3.4	U
78-87-5	1,2-Dichloropropane	3.4	U
75-27-4	Bromodichloromethane	3.4	U
10061-01-5	cis-1,3-Dichloropropene	3.4	U
108-10-1	4-Methyl-2-pentanone	3.4	U
108-88-3	Toluene	3.4	U
10061-02-6	trans-1,3-Dichloropropene	3.4	U
79-00-5	1,1,2-Trichloroethane	3.4	U
127-18-4	Tetrachloroethene	6.0	
591-78-6	2-Hexanone	3.4	U
124-48-1	Dibromochloromethane	3.4	U
106-93-4	1,2-Dibromoethane	3.4	U
108-90-7	Chlorobenzene	3.4	U
100-41-4	Ethylbenzene	3.4	U
95-47-6	o-Xylene	3.4	U
179601-23-1	m,p-Xylene	3.4	U
100-42-5	Styrene	3.4	U
75-25-2	Bromoform	3.4	U
98-82-8	Isopropylbenzene	3.4	U
79-34-5	1,1,2,2-Tetrachloroethane	3.4	U
541-73-1	1,3-Dichlorobenzene	3.4	U
106-46-7	1,4-Dichlorobenzene	3.4	U
95-50-1	1,2-Dichlorobenzene	3.4	U
96-12-8	1,2-Dibromo-3-chloropropane	3.4	U
120-82-1	1,2,4-Trichlorobenzene	3.4	U
87-61-6	1,2,3-Trichlorobenzene	3.4	U

SOM01.2

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

EPA SAMPLE NO.

ISCOIW-05

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114
 Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828425
 Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828425D3
 Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010
 % Moisture: not dec. Date Analyzed: 05/01/2010
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 6.7
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
 Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
79-01-6	Trichloroethene		980	E
108-87-2	Methylcyclohexane		3.4	U
78-87-5	1,2-Dichloropropane		3.4	U
75-27-4	Bromodichloromethane		3.4	U
10061-01-5	cis-1,3-Dichloropropene		3.4	U
108-10-1	4-Methyl-2-pentanone		34	U
108-88-3	Toluene		3.4	U
10061-02-6	trans-1,3-Dichloropropene		3.4	U
79-00-5	1,1,2-Trichloroethane		3.4	U
127-18-4	Tetrachloroethene		6.0	
591-78-6	2-Hexanone		34	U
124-48-1	Dibromochloromethane		3.4	U
106-93-4	1,2-Dibromoethane		3.4	U
108-90-7	Chlorobenzene		3.4	U
100-41-4	Ethylbenzene		3.4	U
95-47-6	o-Xylene		3.4	U
179601-23-1	m,p-Xylene		3.4	U
100-42-5	Styrene		3.4	U
75-25-2	Bromoform		3.4	U
98-82-8	Isopropylbenzene		3.4	U
79-34-5	1,1,2,2-Tetrachloroethane		3.4	U
541-73-1	1,3-Dichlorobenzene		3.4	U
106-46-7	1,4-Dichlorobenzene		3.4	U
95-50-1	1,2-Dichlorobenzene		3.4	U
96-12-8	1,2-Dibromo-3-chloropropane		3.4	U
120-82-1	1,2,4-Trichlorobenzene		3.4	U
87-61-6	1,2,3-Trichlorobenzene		3.4	U

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SOM01.2

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

EPA SAMPLE NO.
 ISCOIW-05

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114
 Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828425
 Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828425D3
 Level: (TRACE or LOW/MED) TRACE Date Received: 04/30/2010
 % Moisture: not dec. Date Analyzed: 05/01/2010
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 6.7
 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	7.01	18	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.

ISCOIW-05DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114
 Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828425D1
 Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828425D2
 Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010
 % Moisture: not dec. Date Analyzed: 05/01/2010
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 76.5
 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	38	U
74-87-3	Chloromethane	38	U
75-01-4	Vinyl chloride	38	U
74-83-9	Bromomethane	38	U
75-00-3	Chloroethane	38	U
75-69-4	Trichlorofluoromethane	38	U
75-35-4	1,1-Dichloroethene	38	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	38	U
67-64-1	Acetone	380	U
75-15-0	Carbon disulfide	38	U
79-20-9	Methyl acetate	38	U
75-09-2	Methylene chloride	38	U
156-60-5	trans-1,2-Dichloroethene	38	U
1634-04-4	Methyl tert-butyl ether	38	U
75-34-3	1,1-Dichloroethane	38	U
156-59-2	cis-1,2-Dichloroethene	38	U
78-93-3	2-Butanone	380	U
74-97-5	Bromochloromethane	38	U
67-66-3	Chloroform	38	U
71-55-6	1,1,1-Trichloroethane	38	U
110-82-7	Cyclohexane	38	U
56-23-5	Carbon tetrachloride	38	U
71-43-2	Benzene	38	U
107-06-2	1,2-Dichloroethane	38	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.

ISCOIW-05DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114
 Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828425D1
 Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828425D2
 Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010
 % Moisture: not dec. Date Analyzed: 05/01/2010
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 76.5
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
 Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
79-01-6	Trichloroethene		1000	D
108-87-2	Methylcyclohexane		38	U
78-87-5	1,2-Dichloropropane		38	U
75-27-4	Bromodichloromethane		38	U
10061-01-5	cis-1,3-Dichloropropene		38	U
108-10-1	4-Methyl-2-pentanone		380	U
108-88-3	Toluene		38	U
10061-02-6	trans-1,3-Dichloropropene		38	U
79-00-5	1,1,2-Trichloroethane		38	U
127-18-4	Tetrachloroethene		38	U
591-78-6	2-Hexanone		380	U
124-48-1	Dibromochloromethane		38	U
106-93-4	1,2-Dibromoethane		38	U
108-90-7	Chlorobenzene		38	U
100-41-4	Ethylbenzene		38	U
95-47-6	o-Xylene		38	U
179601-23-1	m,p-Xylene		38	U
100-42-5	Styrene		38	U
75-25-2	Bromoform		38	U
98-82-8	Isopropylbenzene		38	U
79-34-5	1,1,2,2-Tetrachloroethane		38	U
541-73-1	1,3-Dichlorobenzene		38	U
106-46-7	1,4-Dichlorobenzene		38	U
95-50-1	1,2-Dichlorobenzene		38	U
96-12-8	1,2-Dibromo-3-chloropropane		38	U
120-82-1	1,2,4-Trichlorobenzene		38	U
87-61-6	1,2,3-Trichlorobenzene		38	U

SOM01.2

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

EPA SAMPLE NO.
 ISCOIW-05DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114
 Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828425D1
 Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828425D2
 Level: (TRACE or LOW/MED) TRACE Date Received: 04/30/2010
 % Moisture: not dec. Date Analyzed: 05/01/2010
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 76.5
 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	7.01	220	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.

ISCOIW-06

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114
 Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828426
 Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828426D3
 Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010
 % Moisture: not dec. Date Analyzed: 05/01/2010
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 2.1
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
 Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
75-71-8	Dichlorodifluoromethane	1.1	U	
74-87-3	Chloromethane	1.1	U	
75-01-4	Vinyl chloride	1.1	U	
74-83-9	Bromomethane	1.1	U	
75-00-3	Chloroethane	1.1	U	
75-69-4	Trichlorofluoromethane	1.1	U	
75-35-4	1,1-Dichloroethene	1.1	U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.1	U	
67-64-1	Acetone	11	U	
75-15-0	Carbon disulfide	1.1	U	
79-20-9	Methyl acetate	1.1	U	
75-09-2	Methylene chloride	1.1	U	
156-60-5	trans-1,2-Dichloroethene	1.1	U	
1634-04-4	Methyl tert-butyl ether	0.63	J	
75-34-3	1,1-Dichloroethane	1.1	U	
156-59-2	cis-1,2-Dichloroethene	1.1	U	
78-93-3	2-Butanone	11	U	
74-97-5	Bromochloromethane	1.1	U	
67-66-3	Chloroform	1.1	U	
71-55-6	1,1,1-Trichloroethane	1.1	U	
110-82-7	Cyclohexane	1.1	U	
56-23-5	Carbon tetrachloride	1.1	U	
71-43-2	Benzene	1.1	U	
107-06-2	1,2-Dichloroethane	1.1	U	

UJ

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.

ISCOIW-06

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 828426

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

Lab File ID: 828426D3

Level: (TRACE/LOW/MED) TRACE

Date Received: 04/30/2010

% Moisture: not dec.

Date Analyzed: 05/01/2010

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

Dilution Factor: 2.1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
			240	E
79-01-6	Trichloroethene		1.1	U
108-87-2	Methylcyclohexane		1.1	U
78-87-5	1,2-Dichloropropane		1.1	U
75-27-4	Bromodichloromethane		1.1	U
10061-01-5	cis-1,3-Dichloropropene		11	U
108-10-1	4-Methyl-2-pentanone		1.1	U
108-88-3	Toluene		1.1	U
10061-02-6	trans-1,3-Dichloropropene		1.1	U
79-00-5	1,1,2-Trichloroethane		1.8	
127-18-4	Tetrachloroethene		11	U
591-78-6	2-Hexanone		1.1	U
124-48-1	Dibromochloromethane		1.1	U
106-93-4	1,2-Dibromoethane		1.1	U
108-90-7	Chlorobenzene		1.1	U
100-41-4	Ethylbenzene		1.1	U
95-47-6	o-Xylene		1.1	U
179601-23-1	m,p-Xylene		1.1	U
100-42-5	Styrene		1.1	U
75-25-2	Bromoform		1.1	U
98-82-8	Isopropylbenzene		1.1	U
79-34-5	1,1,2,2-Tetrachloroethane		1.1	U
541-73-1	1,3-Dichlorobenzene		1.1	U
106-46-7	1,4-Dichlorobenzene		1.1	U
95-50-1	1,2-Dichlorobenzene		1.1	U
96-12-8	1,2-Dibromo-3-chloropropane		1.1	U
120-82-1	1,2,4-Trichlorobenzene		1.1	U
87-61-6	1,2,3-Trichlorobenzene		1.1	U

555
555

SOM01.2

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

EPA SAMPLE NO.
 ISCOIW-06

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114
 Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828426
 Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828426D3
 Level: (TRACE or LOW/MED) TRACE Date Received: 04/30/2010
 % Moisture: not dec. Date Analyzed: 05/01/2010
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 2.1
 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	7.0	5.8	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
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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.

ISCOIW-06DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114
 Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828426D1
 Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828426D
 Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010
 % Moisture: not dec. Date Analyzed: 05/01/2010
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 25.9
 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	13	U
74-87-3	Chloromethane	13	U
75-01-4	Vinyl chloride	13	U
74-83-9	Bromomethane	13	U
75-00-3	Chloroethane	13	U
75-69-4	Trichlorofluoromethane	13	U
75-35-4	1,1-Dichloroethene	13	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	13	U
67-64-1	Acetone	130	U
75-15-0	Carbon disulfide	13	U
79-20-9	Methyl acetate	13	U
75-09-2	Methylene chloride	13	U
156-60-5	trans-1,2-Dichloroethene	13	U
1634-04-4	Methyl tert-butyl ether	13	U
75-34-3	1,1-Dichloroethane	13	U
156-59-2	cis-1,2-Dichloroethene	13	U
78-93-3	2-Butanone	130	U
74-97-5	Bromochloromethane	13	U
67-66-3	Chloroform	13	U
71-55-6	1,1,1-Trichloroethane	13	U
110-82-7	Cyclohexane	13	U
56-23-5	Carbon tetrachloride	13	U
71-43-2	Benzene	13	U
107-06-2	1,2-Dichloroethane	13	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.

ISCOIW-06DL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 828426D1

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

Lab File ID: 828426D

Level: (TRACE/LOW/MED) TRACE

Date Received: 04/30/2010

% Moisture: not dec.

Date Analyzed: 05/01/2010

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

Dilution Factor: 25.9

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	270	D
108-87-2	Methylcyclohexane	13	U
78-87-5	1,2-Dichloropropane	13	U
75-27-4	Bromodichloromethane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
108-10-1	4-Methyl-2-pentanone	130	U
108-88-3	Toluene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
79-00-5	1,1,2-Trichloroethane	13	U
127-18-4	Tetrachloroethene	13	U
591-78-6	2-Hexanone	130	U
124-48-1	Dibromochloromethane	13	U
106-93-4	1,2-Dibromoethane	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
95-47-6	o-Xylene	13	U
179601-23-1	m,p-Xylene	13	U
100-42-5	Styrene	13	U
75-25-2	Bromoform	13	U
98-82-8	Isopropylbenzene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
541-73-1	1,3-Dichlorobenzene	13	U
106-46-7	1,4-Dichlorobenzene	13	U
95-50-1	1,2-Dichlorobenzene	13	U
96-12-8	1,2-Dibromo-3-chloropropane	13	U
120-82-1	1,2,4-Trichlorobenzene	13	U
87-61-6	1,2,3-Trichlorobenzene	13	U

SOM01.2

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

EPA SAMPLE NO.
 ISCOIW-06DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114
 Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828426D1
 Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828426D
 Level: (TRACE or LOW/MED) TRACE Date Received: 04/30/2010
 % Moisture: not dec. Date Analyzed: 05/01/2010
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 25.9
 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	7.01	70	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.

ISCOIW-16

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114
 Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828427
 Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828427D2
 Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010
 % Moisture: not dec. Date Analyzed: 05/01/2010
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 2.3
 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	1.2	U
74-87-3	Chloromethane	1.2	U
75-01-4	Vinyl chloride	1.2	U
74-83-9	Bromomethane	1.2	U
75-00-3	Chloroethane	1.2	U
75-69-4	Trichlorofluoromethane	1.2	U
75-35-4	1,1-Dichloroethene	1.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.2	U
67-64-1	Acetone	12	U
75-15-0	Carbon disulfide	1.2	U
79-20-9	Methyl acetate	1.2	U
75-09-2	Methylene chloride	1.2	U
156-60-5	trans-1,2-Dichloroethene	1.2	U
1634-04-4	Methyl tert-butyl ether	0.65	J
75-34-3	1,1-Dichloroethane	1.2	U
156-59-2	cis-1,2-Dichloroethene	1.2	U
78-93-3	2-Butanone	12	U
74-97-5	Bromochloromethane	1.2	U
67-66-3	Chloroform	1.2	U
71-55-6	1,1,1-Trichloroethane	1.2	U
110-82-7	Cyclohexane	1.2	U
56-23-5	Carbon tetrachloride	1.2	U
71-43-2	Benzene	1.2	U
107-06-2	1,2-Dichloroethane	1.2	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.

ISCOIW-16

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114
 Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828427
 Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828427D2
 Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010
 % Moisture: not dec. Date Analyzed: 05/01/2010
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 2.3
 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	280	E
108-87-2	Methylcyclohexane	1.2	U
78-87-5	1,2-Dichloropropane	1.2	U
75-27-4	Bromodichloromethane	1.2	U
10061-01-5	cis-1,3-Dichloropropene	1.2	U
108-10-1	4-Methyl-2-pentanone	12	U
108-88-3	Toluene	1.2	U
10061-02-6	trans-1,3-Dichloropropene	1.2	U
79-00-5	1,1,2-Trichloroethane	1.2	U
127-18-4	Tetrachloroethene	2.1	
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	1.2	U
106-93-4	1,2-Dibromoethane	1.2	U
108-90-7	Chlorobenzene	1.2	U
100-41-4	Ethylbenzene	1.2	U
95-47-6	o-Xylene	1.2	U
179601-23-1	m,p-Xylene	1.2	U
100-42-5	Styrene	1.2	U
75-25-2	Bromoform	1.2	U
98-82-8	Isopropylbenzene	1.2	U
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U
541-73-1	1,3-Dichlorobenzene	1.2	U
106-46-7	1,4-Dichlorobenzene	1.2	U
95-50-1	1,2-Dichlorobenzene	1.2	U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	U
120-82-1	1,2,4-Trichlorobenzene	1.2	U
87-61-6	1,2,3-Trichlorobenzene	1.2	U

SOM01.2

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

EPA SAMPLE NO.
 ISCOIW-16

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114
 Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828427
 Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828427D2
 Level: (TRACE or LOW/MED) TRACE Date Received: 04/30/2010
 % Moisture: not dec. Date Analyzed: 05/01/2010
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 2.3
 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	6.5	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
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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.

ISCOIW-16DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114
 Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828427D1
 Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828427D
 Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010
 % Moisture: not dec. Date Analyzed: 05/01/2010
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 27.5
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
 Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
75-71-8	Dichlorodifluoromethane		14	U
74-87-3	Chloromethane		14	U
75-01-4	Vinyl chloride		14	U
74-83-9	Bromomethane		14	U
75-00-3	Chloroethane		14	U
75-69-4	Trichlorofluoromethane		14	U
75-35-4	1,1-Dichloroethene		14	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		14	U
67-64-1	Acetone		140	U
75-15-0	Carbon disulfide		14	U
79-20-9	Methyl acetate		14	U
75-09-2	Methylene chloride		14	U
156-60-5	trans-1,2-Dichloroethene		14	U
1634-04-4	Methyl tert-butyl ether		14	U
75-34-3	1,1-Dichloroethane		14	U
156-59-2	cis-1,2-Dichloroethene		14	U
78-93-3	2-Butanone		140	U
74-97-5	Bromochloromethane		14	U
67-66-3	Chloroform		14	U
71-55-6	1,1,1-Trichloroethane		14	U
110-82-7	Cyclohexane		14	U
56-23-5	Carbon tetrachloride		14	U
71-43-2	Benzene		14	U
107-06-2	1,2-Dichloroethane		14	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.
ISCOIW-16DL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 828427D1

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

Lab File ID: 828427D

Level: (TRACE/LOW/MED) TRACE

Date Received: 04/30/2010

‡ Moisture: not dec.

Date Analyzed: 05/01/2010

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

Dilution Factor: 27.5

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	280	D
108-87-2	Methylcyclohexane	14	U
78-87-5	1,2-Dichloropropane	14	U
75-27-4	Bromodichloromethane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
108-10-1	4-Methyl-2-pentanone	140	U
108-88-3	Toluene	14	U
10061-02-6	trans-1,3-Dichloropropene	14	U
79-00-5	1,1,2-Trichloroethane	14	U
127-18-4	Tetrachloroethene	140	U
591-78-6	2-Hexanone	14	U
124-48-1	Dibromochloromethane	14	U
106-93-4	1,2-Dibromoethane	14	U
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
95-47-6	o-Xylene	14	U
179601-23-1	m,p-Xylene	14	U
100-42-5	Styrene	14	U
75-25-2	Bromoform	14	U
98-82-8	Isopropylbenzene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
541-73-1	1,3-Dichlorobenzene	14	U
106-46-7	1,4-Dichlorobenzene	14	U
95-50-1	1,2-Dichlorobenzene	14	U
96-12-8	1,2-Dibromo-3-chloropropane	14	U
120-82-1	1,2,4-Trichlorobenzene	14	U
87-61-6	1,2,3-Trichlorobenzene	14	U

SOM01.2

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

EPA SAMPLE NO.
 ISCOIW-16DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114
 Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828427D1
 Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828427D
 Level: (TRACE or LOW/MED) TRACE Date Received: 04/30/2010
 % Moisture: not dec. Date Analyzed: 05/01/2010
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 27.5
 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	7.01	78	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.

TRIPBLK0428

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 828428

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

Lab File ID: 828428

Level: (TRACE/LOW/MED) TRACE

Date Received: 04/30/2010

‡ Moisture: not dec.

Date Analyzed: 04/30/2010

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:		Q
		(ug/L or ug/kg)	ug/L	
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		5.0	U
67-64-1	Acetone		0.50	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		5.0	U
78-93-3	2-Butanone		0.50	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			

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.

TRIPBLK0428

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114
 Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828428
 Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828428
 Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010
 % Moisture: not dec. Date Analyzed: 04/30/2010
 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.
 TRIPBLK0428

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114
 Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828428
 Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828428
 Level: (TRACE or LOW/MED) TRACE Date Received: 04/30/2010
 % Moisture: not dec. Date Analyzed: 04/30/2010
 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	2.8	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

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57237-1
Sdg Number: 137114

General Chemistry

Client Sample ID: ISCO MW 04

Lab Sample ID: 680-57237-1

Client Matrix: Water

Date Sampled: 04/27/2010 1330

Date Received: 05/01/2010 1239

Analyte	Result	Qual	Units	RL	Dil	Method
Chloride	32		mg/L	5.0	5.0	300.0
	Analysis Batch: 680-167990	Date Analyzed: 05/08/2010 1449				
Sulfate	36		mg/L	5.0	5.0	300.0
	Analysis Batch: 680-167990	Date Analyzed: 05/08/2010 1449				
Total Organic Carbon	1.0	U	mg/L	1.0	1.0	SM 5310B
	Analysis Batch: 680-167636	Date Analyzed: 05/04/2010 1051				
Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity	28		mg/L	5.0	1.0	SM 2320B
	Analysis Batch: 680-167588	Date Analyzed: 05/04/2010 1618				
Total Dissolved Solids	250		mg/L	5.0	1.0	SM 2540C
	Analysis Batch: 680-167386	Date Analyzed: 05/03/2010 1259				
Total Suspended Solids	5.0	U	mg/L	5.0	1.0	SM 2540D
	Analysis Batch: 680-167375	Date Analyzed: 05/03/2010 1203				

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57237-1
Sdg Number: 137114

General Chemistry

Client Sample ID: ISCO IW-05
Lab Sample ID: 680-57237-4
Client Matrix: Water

Date Sampled: 04/28/2010 1145
Date Received: 05/01/2010 1239

Analyte	Result	Qual	Units	RL	Dil	Method
Chloride	14		mg/L	5.0	5.0	300.0
	Analysis Batch: 680-167994	Date Analyzed: 05/07/2010 1421				
Sulfate	23		mg/L	5.0	5.0	300.0
	Analysis Batch: 680-167994	Date Analyzed: 05/07/2010 1421				
Total Organic Carbon	1.1		mg/L	1.0	1.0	SM 5310B
	Analysis Batch: 680-167636	Date Analyzed: 05/04/2010 1051				
Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity	64		mg/L	5.0	1.0	SM 2320B
	Analysis Batch: 680-167588	Date Analyzed: 05/04/2010 1635				
Total Dissolved Solids	240		mg/L	5.0	1.0	SM 2540C
	Analysis Batch: 680-167386	Date Analyzed: 05/03/2010 1259				
Total Suspended Solids	5.0	U	mg/L	5.0	1.0	SM 2540D
	Analysis Batch: 680-167339	Date Analyzed: 05/03/2010 0846				

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57237-1

Sdg Number: 137114

General Chemistry

Client Sample ID: ISCO IW-06

Lab Sample ID: 680-57237-5

Client Matrix: Water

Date Sampled: 04/28/2010 1530

Date Received: 05/01/2010 1239

Analyte	Result	Qual	Units	RL	Dil	Method
Chloride	29		mg/L	5.0	5.0	300.0
	Analysis Batch: 680-167994		Date Analyzed: 05/07/2010 1431			
Sulfate	39		mg/L	5.0	5.0	300.0
	Analysis Batch: 680-167994		Date Analyzed: 05/07/2010 1431			
Total Organic Carbon	1.0	U	mg/L	1.0	1.0	SM 5310B
	Analysis Batch: 680-167636		Date Analyzed: 05/04/2010 1051			
Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity	51		mg/L	5.0	1.0	SM 2320B
	Analysis Batch: 680-167588		Date Analyzed: 05/04/2010 1640			
Total Dissolved Solids	250		mg/L	5.0	1.0	SM 2540C
	Analysis Batch: 680-167386		Date Analyzed: 05/03/2010 1259			
Total Suspended Solids	5.0	U	mg/L	5.0	1.0	SM 2540D
	Analysis Batch: 680-167339		Date Analyzed: 05/03/2010 0846			

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57237-1
Sdg Number: 137114

General Chemistry

Client Sample ID: ISCO IW-16
Lab Sample ID: 680-57237-6
Client Matrix: Water

Date Sampled: 04/28/2010 1400
Date Received: 05/01/2010 1239

Analyte	Result	Qual	Units	RL	Dil	Method
Chloride	29		mg/L	5.0	5.0	300.0
	Analysis Batch: 680-167994	Date Analyzed: 05/07/2010	1442			
Sulfate	39 J		mg/L	5.0	5.0	300.0
	Analysis Batch: 680-167994	Date Analyzed: 05/07/2010	1442			
Total Organic Carbon	1.0	U	mg/L	1.0	1.0	SM 5310B
	Analysis Batch: 680-167636	Date Analyzed: 05/04/2010	1051			
Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity	50		mg/L	5.0	1.0	SM 2320B
	Analysis Batch: 680-167588	Date Analyzed: 05/04/2010	1646			
Total Dissolved Solids	250		mg/L	5.0	1.0	SM 2540C
	Analysis Batch: 680-167386	Date Analyzed: 05/03/2010	1259			
Total Suspended Solids	27		mg/L	5.0	1.0	SM 2540D
	Analysis Batch: 680-167339	Date Analyzed: 05/03/2010	0846			

APPENDIX C

TestAmerica Burlington
 30 Community Drive, Suite 11
 South Burlington, VT 05403 Tel: 802 660 1990
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY RECORD

Report to: Company: <u>Parthenon Technologies, Inc.</u> Address: <u>220 Route 70 E. Ste B</u> <u>Medford NH 08055</u> Contact: <u>Kevin D'Amico</u> Phone: <u>(603) 714-2420</u> Fax: <u>(603) 714-2495</u> Contract/Quote: _____		Invoice to: Company: <u>(Same)</u> Address: _____ Contact: _____ Phone: _____ Fax: _____		ANALYSIS REQUESTED (Diagonal lines with handwritten notes: 50Mol.2 (Voc), 11Mol.4 (Metals), 155, 105/CL/RK/Sulfides, 10L)		Lab Use Only Due Date: _____ Temp. of coolers when received (C): <u>2.9</u> <u>1.7</u> 1 2 3 4 5 Custody Seal <u>N/A</u> Intact <u>N/A</u> Screened For Radioactivity <input type="checkbox"/>		
Sampler's Name: <u>Jon Simpson</u> Sampler's Signature: <u>[Signature]</u>		Project Name: <u>LAURENCE AVIATION SPFD SITE</u>						
Proj. No: <u>J303001</u>		No / Type of Containers* VOA: <u>3</u> 250ml: <u>1</u> 250ml: <u>2</u> 250ml: <u>2</u>		Lab/Sample ID (Lab Use Only)				
Matrix	Date	Time	COOLERS			Identifying Marks of Sample(s)		
W	4/20/10	1145	X			1500 IW-05		
W	4/20/10	1530	X			1500 IW-06		
W	4/20/10	1400	X			1500 IW-16		
W	4/20		X	TRIP BLANK				
Relinquished by: (Signature) <u>[Signature]</u>		Date: <u>4/20/10</u>	Time: <u>1100</u>	Received by: (Signature) <u>[Signature]</u>		Date: <u>4/30/10</u>	Time: <u>1018</u>	Remarks Client's delivery of samples constitutes acceptance of TestAmerica terms and conditions contained in the Price Schedule.
Relinquished by: (Signature) _____		Date: _____	Time: _____	Received by: (Signature) _____		Date: _____	Time: _____	
Relinquished by: (Signature) _____		Date: _____	Time: _____	Received by: (Signature) _____		Date: _____	Time: _____	
*Matrix: WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil *Container: VOA - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O - Plastic or other _____		TestAmerica Cannot accept verbal changes. Please Fax written changes to (802) 660-1919						

TAL-8234(1007)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Burlington
30 Community Drive, Suite 11
South Burlington, VT 05403 Tel: 802 660 1990

CHAIN OF CUSTODY RECORD

Report to: Company: <u>PANTHER TECHNOLOGIES INC.</u> Address: <u>220 ROUTE 10 EAST, STE B</u> <u>MEDFORD, NJ 08055</u> Contact: <u>KEVIN DYSON</u> Phone: <u>(609) 714-2420</u> Fax: <u>(609) 714-2495</u> Contract/Quote: _____			Invoice to: Company: <u>(SAME)</u> Address: _____ Contact: _____ Phone: _____ Fax: _____			ANALYSIS REQUESTED (This section contains handwritten sample analysis requests: 50 Mol. 2 (Voc), 11 Mol. 5.4 (Metals), TSS, TDS, CL, ALK, SULPHATES, TOC)			Lab Use Only Due Date: _____ Temp. of coolers when received (C°): <u>2.9</u> <u>1.7</u> Custody Seal Intact: <u>N</u> <input checked="" type="checkbox"/> <u>Y</u> <input type="checkbox"/> Screened For Radioactivity: <input type="checkbox"/>		
Sampler's Name: <u>John Simpson</u> Sampler's Signature: <u>[Signature]</u>			Project No.: <u>J303001</u> Project Name: <u>LAWRENCE AVIATION SFPD SITE</u> Identifying Marks of Sample(s): _____ No./Type/Container: _____ VOA: _____ A/G: _____ 250: _____ P/O: _____			Lab/Sample ID (Lab Use Only): _____					
Matrix ¹	Date	Time	COM P	G AB	Identifying Marks of Sample(s)	VOA	A/G	250	P/O	(This section contains handwritten analysis results and notes: 3 1 2 2, 3 1 2 2, 3 1 2 2, 3, and a note 'Hold' with arrows)	
W	4/27	1330		X	1500 MW 04	3	1	2	2		
W	4/27	1500		X	1500 MW 01	3	1	2	2		
W	4/28	1630		X	PB 1004 28	3	1	2	2		
W	4/29			X	TRIP BLANK	3					
Relinquished by: (Signature) <u>[Signature]</u> Date: <u>4/29/10</u> Time: <u>11:00</u>		Received by: (Signature) <u>[Signature]</u> Date: <u>4/30/10</u> Time: <u>10:18</u>		Remarks: _____ Client's delivery of samples constitutes acceptance of TestAmerica terms and conditions contained in the Price Schedule.							
Relinquished by: (Signature) _____ Date: _____ Time: _____		Received by: (Signature) _____ Date: _____ Time: _____		Relinquished by: (Signature) _____ Date: _____ Time: _____							
1 Matrix: WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil 2 Container: VOA - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O - Plastic or other		TestAmerica Cannot accept verbal changes. Please Fax written changes to (802) 660-1919									

TAL-8234(1007)