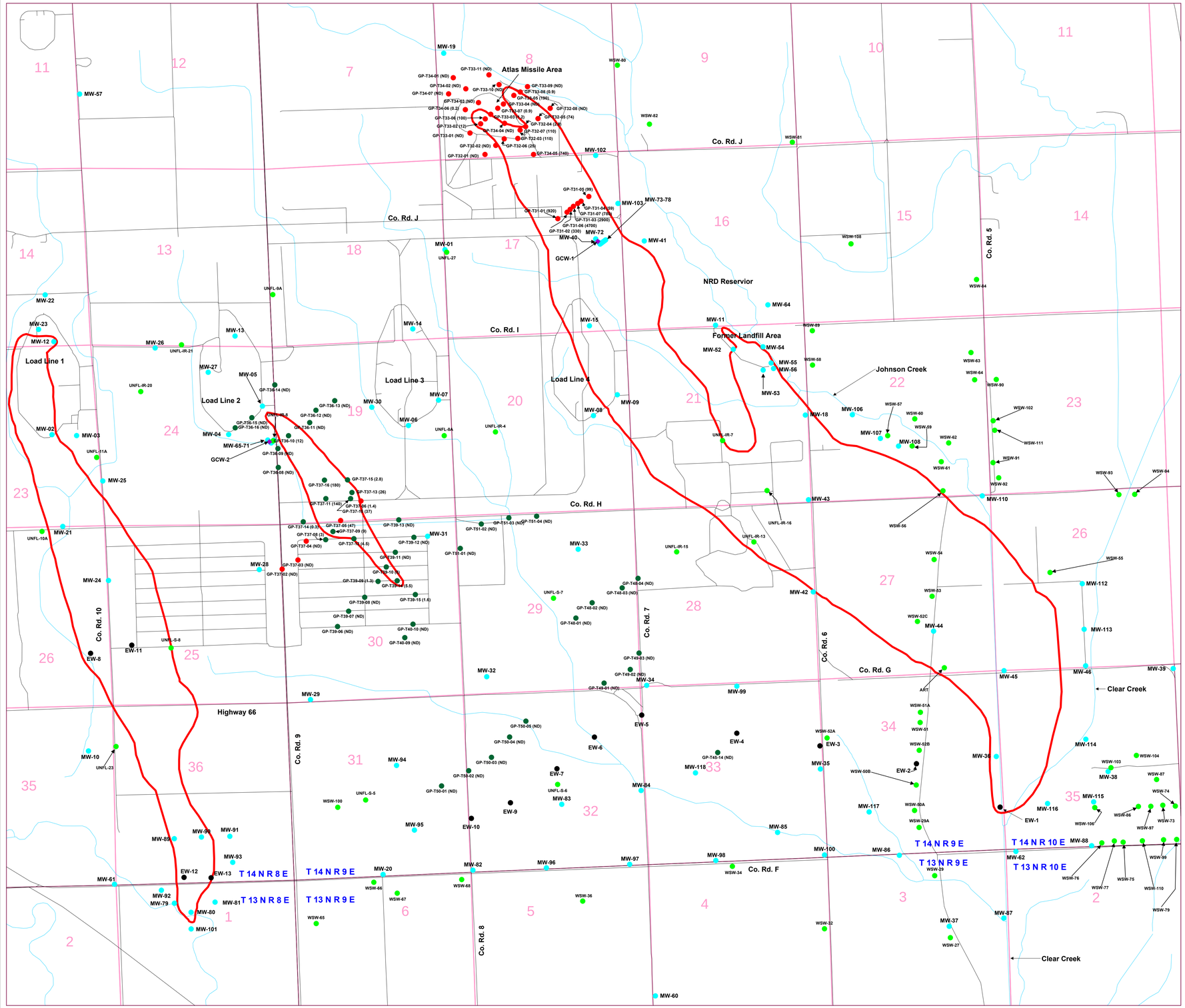
Appendix 4-1:

FNOP Plume Baseline



LEGEND

- EXTRACTION WELL
- MONITORING WELL CLUSTER
- SPRING 2007 DIRECT-PUSH GROUNDWATER SAMPLING LOCATION
- FALL 2007 DIRECT-PUSH GROUNDWATER SAMPLING LOCATION
- WATER SUPPLY WELL LOCATION
- GROUNDWATER CIRCULATION WELL (GCW) LOCATION
- TCE 5 µg/L EXTENT
- 23 SECTION NUMBER

NOTES

1. The parenthetical value next to each direct-push sample identification is the highest detection from that location. If a field duplicate sample was collected along with an investigative sample the greater of the two was used.
2. TCE results are presented in µg/L.
3. The Load Line 1 TCE plume interpretation is based on direct-push and monitoring well sampling results up to December 2007.
4. ND indicates that TCE was not detected above detection limits.

N

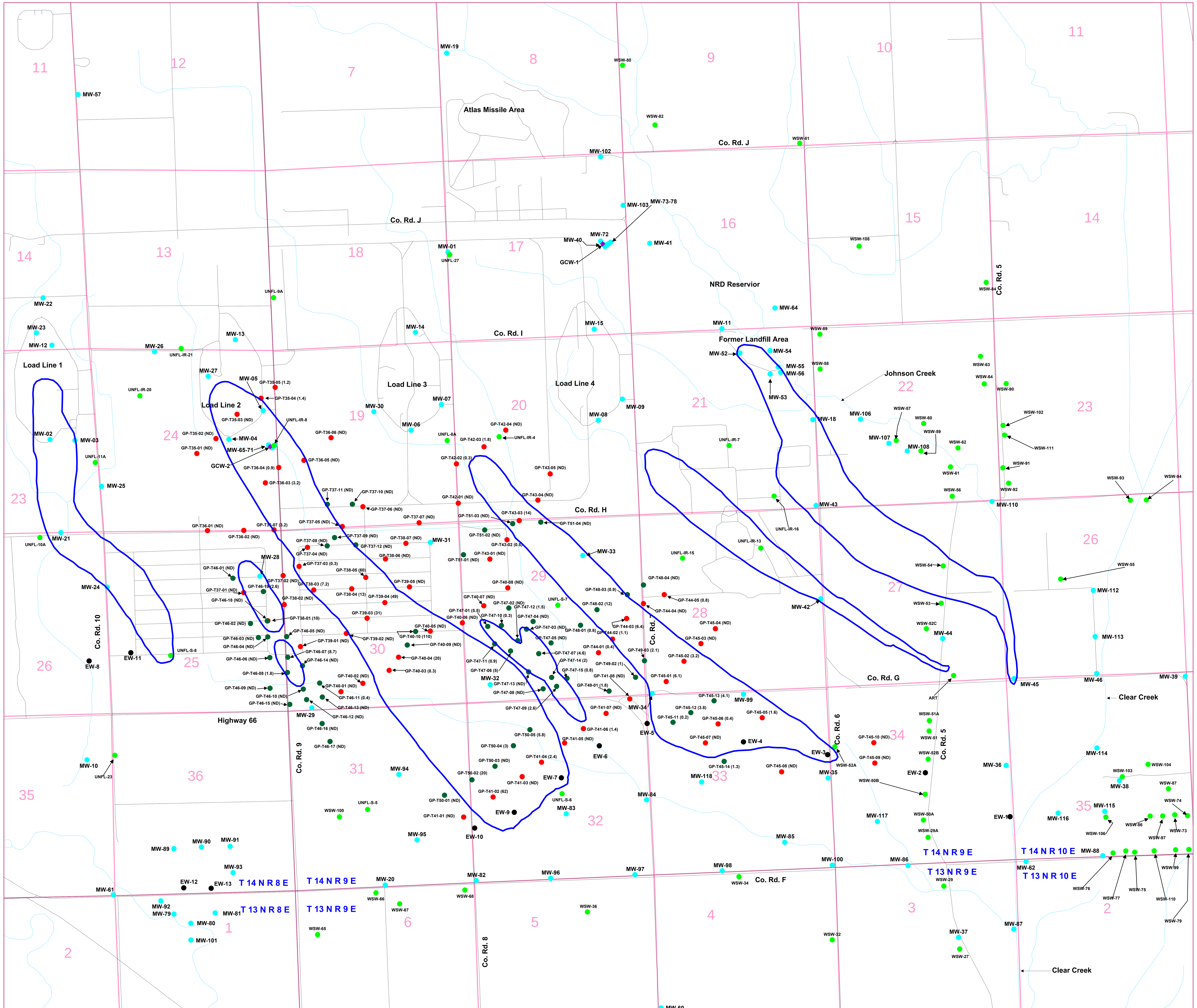
0 1500 3000 4500 6000

I:\165301\76\2007 ARPR\PRELIN DRAFT\FIGURES\DRG 1-1 (22X34) 20080620.srf

URS

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
KANSAS CITY, MISSOURI

Designed by: F.W.M.	2007 ANNUAL REMEDY PERFORMANCE REPORT OPERABLE UNIT NO. 2 (GROUNDWATER) FMR. NEBRASKA ORDNANCE PLANT - MEAD, NE
Drawn by: M.E.W.	U.S. Army Corps of Engineers DIRECT-PUSH GROUNDWATER SAMPLING LOCATIONS AND TCE RESULTS FROM THE SPRING 2007 AND FALL 2007 INVESTIGATIONS
Checked by: R.J.E.	Scale: As Shown; Sheet number: 1-1
Submitted by: L.A.T.	Date: July 2008; DWG. No.: 1-1



LEGEND

- EXTRACTION WELL
- MONITORING WELL CLUSTER
- SPRING 2007 DIRECT-PUSH GROUNDWATER SAMPLING LOCATION
- FALL 2007 DIRECT-PUSH GROUNDWATER SAMPLING LOCATION
- WATER SUPPLY WELL LOCATION
- GROUNDWATER CIRCULATION WELL (GCW) LOCATION
- RDX 2µg/L EXTENT
- 23 SECTION NUMBER

NOTES

1. The parenthetical value next to each direct-push sample identification is the highest detection from that location. If a field duplicate sample was collected along with an investigative sample the greater of the two was used.
2. RDX results are presented in µg/L.
3. The Load Line 1 RDX plume interpretation is based on direct-push and monitoring well sampling results up to December 2007.
4. ND indicates that RDX was not detected above detection limits.

N

0 1500 3000 4500 6000

I:/16530176/2007 ARPR/Prelim Draft/DRAWINGS/DRG 1-2 (22x34) 20080626.srf

URS

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
KANSAS CITY, MISSOURI

U.S. Army Corps of Engineers

2007 ANNUAL REMEDY PERFORMANCE REPORT
OPERABLE UNIT NO. 2 (GROUNDWATER)
FMR. NEBRASKA ORDNANCE PLANT - MEAD, NE

DIRECT-PUSH GROUNDWATER SAMPLING LOCATIONS AND RDX RESULTS FROM THE SPRING 2007 AND FALL 2007 INVESTIGATIONS

Designed by: M.E.W.	Scale: As Shown	Sheet number:	
Drawn by: M.E.W.	Date: July 2008	1-2	
Checked by: R.J.E.	DWG. No.: 1-2		
Submitted by: L.A.T.			

Appendix 4-2

Groundwater Chemical Sampling Data

Quality Control Summary Report
May 2010 Monitoring Well Sampling Event
Mead, Nebraska

Prepared for

The Metropolitan Utilities District

1723 Harney Street

Omaha, NE 68102-1960

By
Amick Consulting
P.O. Box 42
Springfield, NE 68059

for

ASW Associates, Inc.

8101 O St. Suite 119

Lincoln, NE 68510

MUD's Platte West Wellfield Monitoring Well Sampling Program

Contract No. ASW-MUD Sampling, Monitoring & Reporting

TABLE OF CONTENTS

1. INTRODUCTION

Amick Consulting Company was contracted by ASW to conduct data validation for the data resulting from the spring 2010 sampling event at the Mead, Nebraska Former Ordnance Plant on May 27, 2010. This Quality Control Summary Report (QCSR) is a summary of the chemical data quality review for the May 2010 monitoring well re-sampling event.

Samples were analyzed for volatile organic compounds (VOCs) by Environmental Protection Agency (EPA) SW-846 Method 8260B and explosives by EPA SW-846 Method 8330. All explosives analyses were performed by TestAmerica of Burlington, Vermont and all volatile organic analyses by TestAmerica of Savannah, Georgia

Table 1-1 presents the sampled monitoring well locations, corresponding sample identifications (IDs), and required analyses for the May 2010 monitoring well sampling event. The Chain of Custody record (COC) is included as Appendix A. There were no field notes evaluated by the validator, so Appendix B is empty. Appendix C presents an explanation of data validation qualifiers. Appendix D contains analytical data, including summary forms and raw data.

2. FIELD SAMPLING ACTIVITIES

During the May 2010 monitoring well re-sampling event, monitoring well locations were sampled. In addition, three quality control (QC) samples: one field duplicate pair, one rinsate blank, and one matrix spike (MS)/matrix spike duplicate (MSD) sample were collected. One trip blank was also collected for volatile analysis.

Table 2-1 provides the following sample collection information listed by date sampled and laboratory sample ID for ease of comparison to laboratory data packages and field notes:

- MS/MSD sample information;
- A cross-reference between laboratory sample Ids and field sample Ids;
- Sample delivery group (SDG) numbers;
- Dates of sample collection and sample receipt by the laboratory;
- COC number (no numbers supplied); and
- Requested analyses.

3. ANALYTICAL RESULTS

A summary of the analytical results is presented in Table 3-1 (VOCs) and Table 3-2 (explosives). The only detections in field samples (after consideration of blank qualification) are for method 8260B Tentatively Identified Compounds (TIC) in sample BMW-30-52010, therefore no Table 3-3 has been prepared. Only the field blank reported detected compounds that are not TICs, but includes TICs: field blank sample RIN-039 contains gasoline type compounds. As the field contaminants are not present in the client samples, no further action is required. The source of contaminants in field blanks, should be reviewed for future sampling events.

DATA QUALITY EVALUATION PROCEDURES

The following subsections present results of the data quality evaluation. This evaluation was performed in accordance with the Depart of Defense (DoD) Quality Systems manual, method criteria and EPA National Functional Guidelines for Organic Data Review, 1999, (NFG) as summarized for the validator. Qualifiers were assigned based on laboratory QC criteria. The data quality evaluation results are presented in Table 4-1 according to field sample ID.

3.1 Sample Receipt at the Laboratory

Preservation was not listed on the chain-of-custody (COC) records; however, according to the Sample Receiving Checklists, the samples were received at the laboratory properly preserved and within the recommended temperature range of 4±2° C.

There were no other problems with sample receipt at the laboratory. All sample transfer requirements were met for samples received at the laboratory. No data required qualification based on sample condition. All dates, times, courier identification and airbill number were present and complete.

3.2 Holding Times

All samples were extracted and analyzed within method-specific holding times. A 14 day hold time is assumed for the volatiles.

3.3 Tuning and Calibration

Assessment of tune and calibration information was validated. Tuning and calibration outliers are to be detailed by the laboratory in the laboratory case-narrative, which is reviewed at validation. As there was no note regarding calibrations in the narrative, the data deliverable was fully reviewed. No deviations from method specifications for the calibration and tuning of pertinent instrumentation were reported in the calibration tables by TestAmerica with the exception of the response factor (RF) for 2-butanone which is at 0.024 in the ICAL and CCAL. The RF limit is 0.05 for the 1999 validation NFG. The NFG updates from 2001 and current revisions recognize the 'poor responders' and allow for a limit of 0.01. As such, the data have not been qualified, pending approval by DoD for use of the updated guidance. The tuning and calibration requirements were met for all other criteria.

3.4 Laboratory Method Blanks

A laboratory method blank is an analyte-free matrix that is carried through the entire preparation and analysis sequence for the purpose of identifying potential contamination. Detections are qualified as non-detect (U) if the concentration in the sample is less than five times the concentration in the associated blank. For common laboratory contaminants, results are qualified as described above if the concentration in the sample is less than ten times the concentration in the associated blank. Sample results that are either non-detect (U), or greater than five times (10 times for common laboratory contaminants as defined in the NFG) the blank result do not require qualification.

Method blanks were analyzed with each sample batch for all analyses. No target analytes for explosives were detected in the method blanks. The following compounds required qualification for method blank contamination. Data are fully usable as non-detected results. Note that diphenyl sulfone is a tentatively identified compound (TIC), not part of the primary client list of compounds.

Client ID	Compound	result ug/l	Qualifier
DMW-018-052010	Diphenyl sulfone	2.7	U
DMW-039-052010	1,2-Dibromo-3-Chloropropane	0.26	U
DMW-039-052010	1,2,4-Trichlorobenzene	0.26	U
DMW-039-052010	Hexachlorobutadiene	0.21	U
DMW-039-052010	Naphthalene	0.46	U
DMW-039-052010	1,2,3-Trichlorobenzene	0.33	U
RIN-039-052010	Naphthalene	0.67	U
RIN-039-052010	Diphenyl sulfone	2.1	U

3.5 Trip Blanks

A trip blank is an analyte-free matrix that accompanies samples through the sample collection and transportation process to identify potential VOC contamination. Detections are qualified as non-detect (U) if the concentration in the sample is less than five times the concentration in the associated blank (ten times for common laboratory contaminants). Sample results that are either non-detect (U), or greater than five times the blank result do not require qualification.

A trip blank accompanied samples submitted for analysis of VOCs, as required. VOCs were non-detect in the trip blank for all reported volatile organics. No action was needed to qualify sample data.

3.6 Rinsate Blanks

A rinsate blank is an analyte-free matrix that is collected after equipment is decontaminated out in the field. Detections are qualified as non-detect (U) if the concentration in the sample is less than five times the concentration in the associated blank (ten times for common laboratory contaminants). Sample results that are either non-detect (U), or greater than five times the blank result do not require qualification.

A rinsate blank was collected with the samples submitted for analysis of VOCs and explosives, as required. Detected insate blank results for RIN-039-052010 are presented in Table 3-4 below. Detectable volatile organics were present in the rinsate blank, but not in the client samples. No action was needed to qualify sample data due to field blank contamination. There seems to be some low level gasoline-type compounds in the blanks that warrant corrective action by the field team.

TABLE 3-4

Client ID	Compound	result ug/l	Qualifier
RIN-039-052010	2-Butanone	1.9	
RIN-039-052010	Benzene	0.61	
RIN-039-052010	Ethylbenzene	0.33	
RIN-039-052010	Xylene (o)	0.47	
RIN-039-052010	1,2,4-Trimethylbenzene	0.44	
RIN-039-052010	Naphthalene	0.67	U(from MB)
RIN-039-052010	Unknown aliphatic aldehyde	0.56	
RIN-039-052010	Unknown	0.57	
RIN-039-052010	Diphenyl sulfone	2.1	U (from MB)
RIN-039-052010	1,3-Dinitrobenzene	0.18	JP (2 column RPD outlier)

3.7 Surrogates

Surrogates are compounds not normally found in the environment that are added (spiked) into samples prior to extraction (for extractable methods) and prior to analysis (for non-extractable methods). The percent recovery (%REC) of each surrogate is used to assess the success of the sample preparation process for each sample. Surrogate recoveries were within limits for VOCs. No action was needed to qualify volatile organic sample data .

All 1,2-dinitrobenzene surrogate recoveries in samples were within TestAmerica control limits of 70-115%.

3.8 Laboratory Control Sample/Laboratory Control Sample Duplicate

A laboratory control sample (LCS) consists of a matrix similar to that of the field sample. The LCS is spiked with known concentrations of analytes. The LCS % REC is a measure of the method accuracy.

Results for non-contaminants of concern are J-coded if % RECs are outside laboratory criteria, but within the limits of 10-160% for VOCs or 10-140% for explosives. These limits have been met as well as the laboratory limits, which are 'tighter'. Results are R-coded if % RECs are outside these ranges, unless a corrective action is performed or additional batch QC is available which demonstrates recoveries within the specified range.

All LCS % RECs were within laboratory QC limits for explosive analyses. LCS/LCSD % RECs were within laboratory QC limits for VOC analyses. No action was needed to qualify sample data.

Note that the two column differences for tetryl, 2,4 dinitrotoluene, 4-nitrotoluene and 3-nitrotoluene had RPDs of > 50% (58 to 71%). As these compounds were not reported as detected, no further action is required. In each case, the C-18 column was the lower of the two results and this is the column from which data are reported.

3.9 Matrix Spike/Matrix Spike Duplicate

MS/MSD analyses measure method accuracy and precision for a project-specific matrix. A field sample is split into three portions (original, MS, and MSD) and known amounts of analytes are added (spiked) into the MS and MSD portions of the sample. The analytical results of these two portions are compared to each other for reproducibility using the RPD. These results are also compared against the unspiked portion of the sample for % REC of the spiked analytes. MS/MSD samples were analyzed for each SDG for all analyses. Results are J-coded due to MS/MSD % REC or RPD outliers. Results for contaminants of concern are R-coded if the MS/MSD %REC<10%.

All MS/MSD (LCS/LCSD) % REC were within laboratory limits for VOCs and explosive analyses. For explosives and VOCs, the MS/MSD was analyzed using sample AMW-039-052010.

All relative percent differences (RPDs) for VOCs and explosive analysis were within laboratory limits. No action was needed to qualify sample data.

3.10 Field Duplicate Results

Field duplicate results provided information on the reproducibility of field sample results and account for error introduced from handling, shipping, storage, preparation, and analysis of field samples. One field duplicate pair was collected during the May 2010 groundwater resampling event. The field duplicate pair is DMW-018-052010 and DMW-218-052010 (VOCs and explosives). Field precision was fully acceptable for the pair.

Data are not qualified based solely on field duplicate sample results. Results within a factor of two of each other are considered to be in agreement. Results between a factor of two to three of each other are considered a minor discrepancy, and results greater than a factor of three are considered a major discrepancy.

Field duplicate results are all non-detect and therefore no Table 3-5 is prepared as the results presented in Tables 3-1 and 3-2 for the parent sample DMW-018-052910 are the same as the duplicate.

3.11 Dilutions and Re-analyses

The VOC and explosive samples did not require dilution. Data are usable as reported.

3.12 Other QC Parameters

A column comparison between the detected explosive results was made using explosive identification summary forms. The validator confirmed all reported explosives detections and column RPDs. The RPDs were calculated by the laboratory on the appropriate Form 10 equivalent.

All detected explosives reported were confirmed by a second column. The value from the primary quantitation column, C-18, was reported. The percent difference between the two columns did not exceed 40 % with the exception of sample RIN-039-052010. 1,3 dinitrobenzene had an RPD of 65 %, but the results are less than 5 x the reporting limit and the NFG note that this is inherent in low level comparisons. Data for this compound are qualified JP to indicate variability at low levels. 2,6 dinitrotoluene has an RPD of 110

% and has been reported as non-detect below the reporting limit. As the compounds are not in any of the client sample, no further action is required.

3.13 Laboratory Qualifiers

Analytes detected below the quantitation limit or reporting limit but above the lowest level of detection were quantified and results were assigned an estimated (J) qualifier by the laboratory. These qualifiers were carried over by the validator and were not used to determine analytical completeness or project completeness (Section 5.0).

No client sasmple data have been qualified ‘J’ per the validation process. One rinse blank has been qualified ‘J’ due to two column variability. Data have been qualified ‘U’ per the validation process and are fully usable as non-detected values.

4. OVERALL ASSESSMENT

The following subsections present the field completeness, analytical completeness, and project completeness determinations for the May 2010 monitoring well sampling event.

4.1 Field Completeness

Field completeness for sample collection is assessed by comparing the number of samples collected to the number of samples planned for collection. Field completeness for explosives is 100%. Field completeness for VOCs is 100%. The overall field completeness percentage is therefore 100%. All field completeness percentages were above the field completeness goal of 95%. Section 2.0 presents the field sampling activities, including any deviations from planned sampling. Table 5-1 presents field completeness values.

4.2 Analytical Completeness

Acceptable data is a measure of laboratory contract compliance. Acceptable data includes data that has not been rejected or qualified as estimated (J). Qualified data is considered acceptable if appropriate corrective actions were taken by the laboratory. The acceptable data completeness percentage for VOCs was 100% and for explosives was 100%. Both the VOC and explosive analyses exceed the acceptable data completeness goals (90%) for each analytical method. As a result, the overall acceptable data completeness is 100% which is above the overall acceptable data completeness goal of 95%.

Quality data is a measure of the percentage of usable data. Quality data includes all data except rejected data points, and does not include analyses for which replacement data points are available. Quality data completeness percentages for VOCs and explosives are 100% which exceeds the quality data completeness goals of 80% for each analytical method. Overall quality data completeness is 100%, which exceeds the overall quality data completeness goal of 80%.

Table 5-2 presents acceptable and quality data completeness.

4.3 Project Completeness

Project completeness combines sampling and analytical completeness percentages to assess the success in achieving the expectations of the project as a whole. Project completeness is determined by comparing the percentage of usable samples/measurements to the percentage of planned or observed samples/measurements. For the field completeness portion, this involves comparison of the number of samples properly collected to the number of samples planned for collection. For the analytical data completeness portion, this involves comparison of the number of usable data points to the number of observed data points. The field completeness and analytical completeness (quality data) completeness percentages are used to calculate the project completeness percentage. Project completeness is 100%, which is above the project completeness goal of 90%.

Table 5-3 presents project completeness.

5. CONCLUSIONS

Data are valid for use, as qualified. Overall field completeness is 100%, acceptable data completeness is 100%, quality data completeness is 100%, and project completeness is 100%. No data have been rejected.

TABLE 4-1 QUALIFIED DATA

Client ID	Compound	result ug/l	EPA Qualifier	DSA Q
DMW-018-052010	Diphenyl sulfone	2.7	U	UMB2.5
DMW-039-052010	1,2-Dibromo-3-Chloropropane	0.26	U	UMB.33
DMW-039-052010	1,2,4-Trichlorobenzene	0.26	U	UMB.27
DMW-039-052010	Hexachlorobutadiene	0.21	U	UMB.21
DMW-039-052010	Naphthalene	0.46	U	UMB.39
DMW-039-052010	1,2,3-Trichlorobenzene	0.33	U	UMB.23
RIN-039-052010	Naphthalene	0.67	U	UMB.39
RIN-039-052010	Diphenyl sulfone	2.1	U	UMB2.5
RIN-039-052010	1,3-Dinitrobenzene	0.18	J	JP

Data are qualified using DSA qualifiers as UMB#, where # is the value of the associated method blank. The DoD qualifier is 'U'. Data are qualified JP to indicate a 2 column difference for low level results. The DoD qualifier is 'J'.

6. REFERENCES

DoD, 2006. Department of Defense Quality Systems Manual for Environmental Laboratories, Final Version 3, January.

EPA, 1999. USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, EPA-540/R-99-008 (PB99-963506), October and July 2001.

EPA, 1996. SW-846 Method 8260B, Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS), December.

EPA, 1994 SW-846 Method 8330, Nitroaromatics and Nitramines by High Performance Liquid Chromatography (HPLC), September.

TABLES

TestAmerica
South Burlington, VT

Sample Data Summary Package

137519

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

June 18, 2010

Mr. Erik Waiss
ASW Associates Inc.
8101 ""O"" Street
Suite S111
Lincoln, NE 68510

Re: Laboratory Project No. 29000
Case: MUDMEAD; SDG: 137519

Dear Mr. Waiss:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on May 29th, 2010. Laboratory identification numbers were assigned, and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 05/29/10 ETR No: 137519		
831517	BMW-030-052010	05/27/10	WATER
831518	TRB-030-052010	05/27/10	WATER
831519	AMW-030-052010	05/27/10	WATER
831520	AMW-031-052010	05/27/10	WATER
831521	BMW-031-052010	05/27/10	WATER
831522	DMW-018-052010	05/27/10	WATER
831523	DMW-218-052010	05/27/10	WATER
831524	SMW-018-052010	05/27/10	WATER
831525	AMW-039-052010	05/27/10	WATER
831525MS	AMW-039-052010MS	05/27/10	WATER
831525MD	AMW-039-052010MSD	05/27/10	WATER
831526	DMW-039-052010	05/27/10	WATER
831527	RIN-039-052010	05/27/10	WATER

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

Volatile Organic Compounds by Method 8260B
The laboratory noted no exceptions to the method quality control requirements during the analysis of the samples referenced above.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Explosives by Method 8330
Due to inherent software limitations, the sample identifications for RIN-239-1109, BMW-031-1109, AMW-031-1109, AMW-030-1109, DMW-018-1109, BMW-030-1109, TRB-030-1109, SMW-018-1109, SMW-218-1109, SMW-218-1109MS, SMW-218-1109MSD, AMW-039-1109 and DMW-039-1109 were truncated.

The retention times for target analytes analyzed by SW-846 Method 8330 are evaluated against retention time windows set by the midpoint of the initial calibration curve. The retention time is set at +/-0.10 minutes from the window established with the calibration curve. If during analysis, the retention time of the surrogate shifts, the retention time window used for qualitative identification is opened in the same direction as the surrogate shift. The evaluation of retention time windows is performed for each injection.

All analytical results were reported from the LC-18 column.

Manual integration was employed in deriving certain of the analytical results. The values that have been derived from manual integration are qualified on the quantitation reports, and chromatographic profiles are included in the sample data package.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

Sara Goff
Project Manager

Enclosure

TestAmerica Burlington Data Qualifier Definitions

Organic

U: Compound analyzed but not detected at a concentration above the reporting limit.

J: Estimated value.

N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.

P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.

CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.

C: Pesticide result whose identification has been confirmed by GC/MS.

B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.

E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.

D: Concentrations identified from analysis of the sample at a secondary dilution.

A: Tentatively identified compound is a suspected aldol condensation product.

X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

E: Reported value is estimated due to the presence of interference.

N: Matrix spike sample recovery is not within control limits.

* Duplicate sample analysis is not within control limits.

B: The result reported is less than the reporting limit but greater than the instrument detection limit.

U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

P	ICP-AES
MS	ICP-MS
CV	Cold Vapor AA
AS	Semi-Automated Spectrophotometric

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

M.U.D. SPRING 2010 1/2

CHAIN OF CUSTODY RECORD

Report to:	Invoice to:
Company: ASW Assoc. Inc.	Company: SAME
Address: 8101 "O" STREET Su 119 LINCOLN, NE 68510	Address:
Contact: ERIK WAISS	Contact: SHARON TURMAN
Phone: 402-488-3983 Ext 111	Phone:
Fax: 402-488-5054	Fax:
Contract/ Quote:	

Sampler's Name: ERIK J. WAISS

Sampler's Signature:

Proj. No.

Project Name: M.U.D. SPRING SAMPLE EVENT

ANALYSIS REQUESTED: 8260B VOC, HEI 8330 EXPL, TCE

Lab Use Only
Due Date:

Temp. of coolers when received (C°): 2.7

1	2	3	4	5

Custody Seal N / (Y)
Intact N / (Y)

Screened For Radioactivity ☐

Matrix[1]	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	No/Type of Containers[2] VOA	A/G 1 Lt.	250 ml	P/O	8260B VOC	HEI 8330 EXPL	TCE	Lab/Sample ID (Lab Use Only)
W	5-27-2010	13:00		X	BMW-030-052010	3	2			X	X		
W	5-27-2010	13:00		X	TRB-030-052010	2				X			
W	5-27-2010	13:30		X	AMW-030-052010	3	2			X	X		
W	5-27-2010	14:45		X	AMW-031-052010	3	2			X	X		
W	5-27-2010	15:20		X	BMW-031-052010	3	2			X	X		
W	5-27-2010	16:45		X	DMW-018-052010	3	2			X	X		
W	5-27-2010	16:45		X	DMW-218-052010	3	2			X	X		
W	5-27-2010	17:15		X	SMW-018-052010	3	2			X	X		
W	5-27-2010	18:15		X	AMW-039-052010	3	2			X	X		
W	5-27-2010	18:15		X	AMW-039-052010MS	3	2			X	X		

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	2010 MAY28	14:00	FEDEX 871729088674		
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
				5/29/10	1020
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Remarks

Client's delivery of samples constitutes acceptance of TestAmerica terms and conditions contained in the Price Schedule.

[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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

MUD SPRING 2010 2/2

CHAIN OF CUSTODY RECORD

Report to:
Company: ASW ASSOC. INC
Address: 8101 "O" STREET Su 119
LINCOLN, NE 68510
Contact: ERIK WAISS
Phone: 402-488-3983 EXT 111
Fax: 402-488-5054
Contract/ Quote:

Invoice to:
Company: SAME
Address:
Contact: SHARON TURMAN
Phone:
Fax:

Sampler's Name: ERIK J. WAISS
Sampler's Signature:

Proj. No.
Project Name: M.U.D. SPRING SAMPLE EVENT

ANALYSIS REQUESTED: 8260B VOC HCL, 6330 EXPL ICE

Lab Use Only
Due Date:

Temp. of coolers when received (C°): 2.7

1	2	3	4	5

Custody Seal Intact: N / N

Screened For Radioactivity: ☐

Matrix[1]	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	No/Type of Containers[2] VOA	A/G 1 Lt.	250 ml	P/O	Lab/Sample ID (Lab Use Only)
W	5-27-2010	18:15		X	AMW-039-052010MSD	3	2			
W	5-27-2010	18:55		X	DMW-039-052010	3	2			
W	5-27-2010	20:15		X	RIN-039-052010	3	2			

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	MAY28-'10	14:00	FEDEX 8717 2908 8674		
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
				5/29/10	1020
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Remarks

Client's delivery of samples constitutes acceptance of TestAmerica terms and conditions contained in the Price Schedule.

[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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8260B Low Waters

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

AMW030052010

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831519

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831519

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
76-13-1	Freon TF	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl-t-Butyl Ether	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	1.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

AMW030052010

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831519

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831519

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
95-47-6	Xylene (o)	1.0	U
1330-20-7	Xylene (total)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ASWASS SAMPLE NO.

AMW030052010

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831519

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831519

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

AMW031052010

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831520

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831520

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
76-13-1	Freon TF	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl-t-Butyl Ether	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	1.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

AMW031052010

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831520

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831520

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
95-47-6	Xylene (o)	1.0	U
1330-20-7	Xylene (total)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ASWASS SAMPLE NO.

AMW031052010

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831520

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831520

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	104-76-7	1-HEXANOL, 2-ETHYL-	20.09	2.8	NJ
2.					
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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

AMW039052010

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831525

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831525

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
76-13-1	Freon TF	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl-t-Butyl Ether	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	1.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

AMW039052010

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831525

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831525

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
95-47-6	Xylene (o)	1.0	U
1330-20-7	Xylene (total)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

FORM 1

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ASWASS SAMPLE NO.

AMW039052010

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831525

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831525

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

BMW030052010

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831517

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831517

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
76-13-1	Freon TF	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl-t-Butyl Ether	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	1.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

BMW030052010

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831517

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831517

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
95-47-6	Xylene (o)	1.0	U
1330-20-7	Xylene (total)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

FORM 1

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ASWASS SAMPLE NO.

BMW030052010

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831517

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831517

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	127-63-9	DIPHENYL SULFONE	23.12	82	NJB
2.					
3.					
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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

BMW031052010

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831521

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831521

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
76-13-1	Freon TF	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl-t-Butyl Ether	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	1.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

BMW031052010

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831521

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831521

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
95-47-6	Xylene (o)	1.0	U
1330-20-7	Xylene (total)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ASWASS SAMPLE NO.

BMW031052010

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831521

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831521

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	128-37-0	BUTYLATED HYDROXYTOLUENE	20.94	2.4	NJ
2.					
3.					
4.					
5.					
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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

DMW018052010

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831522

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831522

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
76-13-1	Freon TF	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl-t-Butyl Ether	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	1.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

DMW018052010

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831522

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831522

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
95-47-6	Xylene (o)	1.0	U
1330-20-7	Xylene (total)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

FORM 1

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ASWASS SAMPLE NO.

DMW018052010

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831522

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831522

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	128-37-0	BUTYLATED HYDROXYTOLUENE	20.95	1.8	NJ
2.	127-63-9	DIPHENYL SULFONE	21.26	2.7	NJB
3.					
4.					
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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

DMW039052010

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831526

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831526

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
76-13-1	Freon TF	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl-t-Butyl Ether	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	1.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

DMW039052010

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831526

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831526

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
95-47-6	Xylene (o)	1.0	U
1330-20-7	Xylene (total)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.26	JB
120-82-1	1,2,4-Trichlorobenzene	0.26	JB
87-68-3	Hexachlorobutadiene	0.21	JB
91-20-3	Naphthalene	0.46	JB
87-61-6	1,2,3-Trichlorobenzene	0.33	JB

FORM 1

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ASWASS SAMPLE NO.

DMW039052010

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831526

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831526

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

DMW218052010

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831523

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831523

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
76-13-1	Freon TF	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl-t-Butyl Ether	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	1.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

DMW218052010

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831523

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831523

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
95-47-6	Xylene (o)	1.0	U
1330-20-7	Xylene (total)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ASWASS SAMPLE NO.

DMW218052010

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831523

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831523

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

RIN039052010

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831527

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831527

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
76-13-1	Freon TF	1.0	U
67-64-1	Acetone	8.1	
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl-t-Butyl Ether	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	1.9	J
74-97-5	Bromochloromethane	1.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
71-43-2	Benzene	0.61	J
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	2.7	
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

RIN039052010

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831527

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831527

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
100-41-4	Ethylbenzene	0.33	J
1330-20-7	Xylene (m,p)	1.2	
95-47-6	Xylene (o)	0.47	J
1330-20-7	Xylene (total)	1.7	
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	0.44	J
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	0.67	JB
87-61-6	1,2,3-Trichlorobenzene	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ASWASS SAMPLE NO.

RIN039052010

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831527

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831527

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 3

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALIPHATIC ALDEHYDE	13.88	0.56	J
2.		UNKNOWN	20.95	0.57	J
3.	127-63-9	DIPHENYL SULFONE	21.34	2.1	NJB
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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

SMW018052010

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831524

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831524

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
76-13-1	Freon TF	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl-t-Butyl Ether	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	1.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

SMW018052010

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831524

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831524

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
95-47-6	Xylene (o)	1.0	U
1330-20-7	Xylene (total)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

FORM 1

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ASWASS SAMPLE NO.

SMW018052010

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831524

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831524

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

TRB030052010

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831518

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831518

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
76-13-1	Freon TF	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl-t-Butyl Ether	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	1.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

TRB030052010

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831518

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831518

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
95-47-6	Xylene (o)	1.0	U
1330-20-7	Xylene (total)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ASWASS SAMPLE NO.

TRB030052010

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831518

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831518

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
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16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK060510LA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: MBLK060510LA

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LEDB02B

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	0.24	J
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	0.43	J
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
76-13-1	Freon TF	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl-t-Butyl Ether	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	1.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK060510LA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: MBLK060510LA

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LEDB02B

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
95-47-6	Xylene (o)	1.0	U
1330-20-7	Xylene (total)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.33	J
120-82-1	1,2,4-Trichlorobenzene	0.27	J
87-68-3	Hexachlorobutadiene	0.21	J
91-20-3	Naphthalene	0.39	J
87-61-6	1,2,3-Trichlorobenzene	0.32	J

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MBLK060510LA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: MBLK060510LA

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LEDB02B

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	127-63-9	DIPHENYL SULFONE	23.07	2.5	NJ
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
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16.					
17.					
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23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LA060510LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: LA060510LCS

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LED010BQ

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	7.8	
74-87-3	Chloromethane	9.3	B
75-01-4	Vinyl Chloride	8.8	
74-83-9	Bromomethane	9.6	B
75-00-3	Chloroethane	10	
75-69-4	Trichlorofluoromethane	9.5	
75-35-4	1,1-Dichloroethene	11	
76-13-1	Freon TF	8.8	
67-64-1	Acetone	50	
75-15-0	Carbon Disulfide	8.9	
75-09-2	Methylene Chloride	11	
156-60-5	trans-1,2-Dichloroethene	11	
1634-04-4	Methyl-t-Butyl Ether	9.6	
540-59-0	1,2-Dichloroethene (total)	21	
75-34-3	1,1-Dichloroethane	10	
156-59-2	cis-1,2-Dichloroethene	10	
78-93-3	2-Butanone	52	
74-97-5	Bromochloromethane	10	
67-66-3	Chloroform	9.8	
71-55-6	1,1,1-Trichloroethane	10	
56-23-5	Carbon Tetrachloride	10	
563-58-6	1,1-Dichloropropene	10	
71-43-2	Benzene	10	
107-06-2	1,2-Dichloroethane	10	
79-01-6	Trichloroethene	10	
78-87-5	1,2-Dichloropropane	9.9	
74-95-3	Dibromomethane	10	
75-27-4	Bromodichloromethane	10	
10061-01-5	cis-1,3-Dichloropropene	10	
108-10-1	4-Methyl-2-pentanone	51	
108-88-3	Toluene	10	
10061-02-6	trans-1,3-Dichloropropene	9.9	
79-00-5	1,1,2-Trichloroethane	10	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LA060510LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: LA060510LCS

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LED010BQ

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	10	
142-28-9	1,3-Dichloropropane	10	
591-78-6	2-Hexanone	52	
124-48-1	Dibromochloromethane	10	
106-93-4	1,2-Dibromoethane	10	
108-90-7	Chlorobenzene	9.9	
630-20-6	1,1,1,2-Tetrachloroethane	10	
100-41-4	Ethylbenzene	9.9	
1330-20-7	Xylene (m,p)	20	
95-47-6	Xylene (o)	9.8	
1330-20-7	Xylene (total)	31	
100-42-5	Styrene	9.9	
75-25-2	Bromoform	10	
98-82-8	Isopropylbenzene	9.6	
108-86-1	Bromobenzene	9.8	
79-34-5	1,1,2,2-Tetrachloroethane	10	
103-65-1	n-Propylbenzene	9.6	
95-49-8	2-Chlorotoluene	9.7	
106-43-4	4-Chlorotoluene	9.9	
108-67-8	1,3,5-Trimethylbenzene	9.7	
98-06-6	tert-Butylbenzene	9.7	
95-63-6	1,2,4-Trimethylbenzene	9.8	
135-98-8	sec-Butylbenzene	9.7	
541-73-1	1,3-Dichlorobenzene	9.7	
99-87-6	4-Isopropyltoluene	9.5	
106-46-7	1,4-Dichlorobenzene	9.5	
95-50-1	1,2-Dichlorobenzene	9.7	
104-51-8	n-Butylbenzene	9.8	
96-12-8	1,2-Dibromo-3-Chloropropane	9.9	B
120-82-1	1,2,4-Trichlorobenzene	10	B
87-68-3	Hexachlorobutadiene	9.8	B
91-20-3	Naphthalene	10	B
87-61-6	1,2,3-Trichlorobenzene	10	B

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

AMW039052010MS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831525MS

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831525M

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	7.3	
74-87-3	Chloromethane	8.1	B
75-01-4	Vinyl Chloride	8.1	
74-83-9	Bromomethane	8.1	B
75-00-3	Chloroethane	9.4	
75-69-4	Trichlorofluoromethane	9.2	
75-35-4	1,1-Dichloroethene	10	
76-13-1	Freon TF	8.3	
67-64-1	Acetone	53	
75-15-0	Carbon Disulfide	8.6	
75-09-2	Methylene Chloride	10	
156-60-5	trans-1,2-Dichloroethene	10	
1634-04-4	Methyl-t-Butyl Ether	9.3	
540-59-0	1,2-Dichloroethene (total)	20	
75-34-3	1,1-Dichloroethane	9.9	
156-59-2	cis-1,2-Dichloroethene	9.8	
78-93-3	2-Butanone	53	
74-97-5	Bromochloromethane	10	
67-66-3	Chloroform	9.6	
71-55-6	1,1,1-Trichloroethane	10	
56-23-5	Carbon Tetrachloride	10	
563-58-6	1,1-Dichloropropene	10	
71-43-2	Benzene	10	
107-06-2	1,2-Dichloroethane	10	
79-01-6	Trichloroethene	9.5	
78-87-5	1,2-Dichloropropane	9.6	
74-95-3	Dibromomethane	9.9	
75-27-4	Bromodichloromethane	9.8	
10061-01-5	cis-1,3-Dichloropropene	9.7	
108-10-1	4-Methyl-2-pentanone	53	
108-88-3	Toluene	9.7	
10061-02-6	trans-1,3-Dichloropropene	9.7	
79-00-5	1,1,2-Trichloroethane	9.9	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

AMW039052010MS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831525MS

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831525M

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	9.7	
142-28-9	1,3-Dichloropropane	9.7	
591-78-6	2-Hexanone	54	
124-48-1	Dibromochloromethane	10	
106-93-4	1,2-Dibromoethane	9.7	
108-90-7	Chlorobenzene	9.5	
630-20-6	1,1,1,2-Tetrachloroethane	9.7	
100-41-4	Ethylbenzene	9.5	
1330-20-7	Xylene (m,p)	19	
95-47-6	Xylene (o)	9.6	
1330-20-7	Xylene (total)	29	
100-42-5	Styrene	9.5	
75-25-2	Bromoform	9.7	
98-82-8	Isopropylbenzene	9.4	
108-86-1	Bromobenzene	9.5	
79-34-5	1,1,2,2-Tetrachloroethane	9.7	
103-65-1	n-Propylbenzene	9.3	
95-49-8	2-Chlorotoluene	9.6	
106-43-4	4-Chlorotoluene	9.5	
108-67-8	1,3,5-Trimethylbenzene	9.4	
98-06-6	tert-Butylbenzene	9.4	
95-63-6	1,2,4-Trimethylbenzene	9.6	
135-98-8	sec-Butylbenzene	9.3	
541-73-1	1,3-Dichlorobenzene	9.4	
99-87-6	4-Isopropyltoluene	9.0	
106-46-7	1,4-Dichlorobenzene	9.1	
95-50-1	1,2-Dichlorobenzene	9.4	
104-51-8	n-Butylbenzene	9.1	
96-12-8	1,2-Dibromo-3-Chloropropane	9.8	B
120-82-1	1,2,4-Trichlorobenzene	9.0	B
87-68-3	Hexachlorobutadiene	9.1	B
91-20-3	Naphthalene	9.6	B
87-61-6	1,2,3-Trichlorobenzene	9.3	B

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

AMW039052010MSD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831525MD

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831525S

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	7.7	
74-87-3	Chloromethane	9.7	B
75-01-4	Vinyl Chloride	9.0	
74-83-9	Bromomethane	9.9	B
75-00-3	Chloroethane	11	
75-69-4	Trichlorofluoromethane	9.6	
75-35-4	1,1-Dichloroethene	11	
76-13-1	Freon TF	8.9	
67-64-1	Acetone	49	
75-15-0	Carbon Disulfide	9.3	
75-09-2	Methylene Chloride	11	
156-60-5	trans-1,2-Dichloroethene	11	
1634-04-4	Methyl-t-Butyl Ether	10	
540-59-0	1,2-Dichloroethene (total)	21	
75-34-3	1,1-Dichloroethane	10	
156-59-2	cis-1,2-Dichloroethene	10	
78-93-3	2-Butanone	51	
74-97-5	Bromochloromethane	11	
67-66-3	Chloroform	10	
71-55-6	1,1,1-Trichloroethane	11	
56-23-5	Carbon Tetrachloride	11	
563-58-6	1,1-Dichloropropene	11	
71-43-2	Benzene	11	
107-06-2	1,2-Dichloroethane	10	
79-01-6	Trichloroethene	10	
78-87-5	1,2-Dichloropropane	10	
74-95-3	Dibromomethane	11	
75-27-4	Bromodichloromethane	10	
10061-01-5	cis-1,3-Dichloropropene	10	
108-10-1	4-Methyl-2-pentanone	52	
108-88-3	Toluene	10	
10061-02-6	trans-1,3-Dichloropropene	10	
79-00-5	1,1,2-Trichloroethane	10	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

AMW039052010MSD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831525MD

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 831525S

Level: (low/med) LOW Date Received: 05/29/10

% Moisture: not dec. _____ Date Analyzed: 06/05/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	10	
142-28-9	1,3-Dichloropropane	10	
591-78-6	2-Hexanone	53	
124-48-1	Dibromochloromethane	11	
106-93-4	1,2-Dibromoethane	10	
108-90-7	Chlorobenzene	10	
630-20-6	1,1,1,2-Tetrachloroethane	10	
100-41-4	Ethylbenzene	10	
1330-20-7	Xylene (m,p)	20	
95-47-6	Xylene (o)	10	
1330-20-7	Xylene (total)	31	
100-42-5	Styrene	10	
75-25-2	Bromoform	10	
98-82-8	Isopropylbenzene	9.9	
108-86-1	Bromobenzene	10	
79-34-5	1,1,2,2-Tetrachloroethane	10	
103-65-1	n-Propylbenzene	9.8	
95-49-8	2-Chlorotoluene	9.9	
106-43-4	4-Chlorotoluene	9.9	
108-67-8	1,3,5-Trimethylbenzene	9.9	
98-06-6	tert-Butylbenzene	10	
95-63-6	1,2,4-Trimethylbenzene	10	
135-98-8	sec-Butylbenzene	9.9	
541-73-1	1,3-Dichlorobenzene	10	
99-87-6	4-Isopropyltoluene	9.6	
106-46-7	1,4-Dichlorobenzene	9.8	
95-50-1	1,2-Dichlorobenzene	9.9	
104-51-8	n-Butylbenzene	9.9	
96-12-8	1,2-Dibromo-3-Chloropropane	10	B
120-82-1	1,2,4-Trichlorobenzene	9.9	B
87-68-3	Hexachlorobutadiene	9.8	B
91-20-3	Naphthalene	11	B
87-61-6	1,2,3-Trichlorobenzene	10	B

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

	CLIENT SAMPLE NO.	SMC1 (DCE)#	SMC2 (TOL)#	SMC3 (BFB)#	OTHER (DCB)#	TOT OUT
01	LA060510LCS	93	93	93	92	0
02	MBLK060510LA	93	96	96	95	0
03	BMW030052010	94	101	99	98	0
04	TRB030052010	95	99	105	99	0
05	AMW030052010	97	98	99	96	0
06	AMW031052010	98	97	100	93	0
07	BMW031052010	96	96	100	98	0
08	DMW018052010	97	98	99	99	0
09	DMW218052010	96	100	98	96	0
10	SMW018052010	93	96	99	98	0
11	AMW039052010	96	98	100	97	0
12	AMW039052010	90	94	94	93	0
13	AMW039052010	96	98	97	96	0
14	DMW039052010	95	97	100	98	0
15	RIN039052010	94	99	98	96	0
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		QC LIMITS
SMC1 (DCE)	= 1,2-Dichloroethane-d4	(80-115)
SMC2 (TOL)	= Toluene-d8	(80-115)
SMC3 (BFB)	= Bromofluorobenzene	(85-120)
OTHER(DCB)	= 1,2-Dichlorobenzene-d4	(80-115)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix Spike - ASWASS Sample No.: AMW039052

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Dichlorodifluoromethane	10	0.0	7.3	73	50-160
Chloromethane	10	0.0	8.1	81	55-140
Vinyl Chloride	10	0.0	8.1	81	75-135
Bromomethane	10	0.0	8.1	81	70-130
Chloroethane	10	0.0	9.4	94	70-135
Trichlorofluoromethane	10	0.0	9.2	92	80-115
1,1-Dichloroethene	10	0.0	10	100	80-120
Freon TF	10	0.0	8.3	83	80-120
Acetone	50	0.0	53	106	40-175
Carbon Disulfide	10	0.0	8.6	86	80-125
Methylene Chloride	10	0.0	10	100	85-120
trans-1,2-Dichloroethen	10	0.0	10	100	80-115
Methyl-t-Butyl Ether	10	0.0	9.3	93	80-120
1,2-Dichloroethene (tot	20	0.0	20	100	80-115
1,1-Dichloroethane	10	0.0	9.9	99	85-120
cis-1,2-Dichloroethene	10	0.0	9.8	98	80-115
2-Butanone	50	0.0	53	106	70-140
Bromochloromethane	10	0.0	10	100	80-115
Chloroform	10	0.0	9.6	96	85-120
1,1,1-Trichloroethane	10	0.0	10	100	80-115
Carbon Tetrachloride	10	0.0	10	100	80-115
1,1-Dichloropropene	10	0.0	10	100	80-115
Benzene	10	0.0	10	100	80-125
1,2-Dichloroethane	10	0.0	10	100	80-120
Trichloroethene	10	0.0	9.5	95	80-120
1,2-Dichloropropane	10	0.0	9.6	96	80-120
Dibromomethane	10	0.0	9.9	99	85-120
Bromodichloromethane	10	0.0	9.8	98	85-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix Spike - ASWASS Sample No.: AMW039052

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
cis-1,3-Dichloropropene	10	0.0	9.7	97	85-120
4-Methyl-2-pentanone	50	0.0	53	106	75-130
Toluene	10	0.0	9.7	97	85-120
trans-1,3-Dichloroprope	10	0.0	9.7	97	85-120
1,1,2-Trichloroethane	10	0.0	9.9	99	80-125
Tetrachloroethene	10	0.0	9.7	97	80-115
1,3-Dichloropropane	10	0.0	9.7	97	85-120
2-Hexanone	50	0.0	54	108	60-165
Dibromochloromethane	10	0.0	10	100	85-120
1,2-Dibromoethane	10	0.0	9.7	97	85-120
Chlorobenzene	10	0.0	9.5	95	80-120
1,1,1,2-Tetrachloroetha	10	0.0	9.7	97	80-115
Ethylbenzene	10	0.0	9.5	95	85-120
Xylene (m,p)	20	0.0	19	95	85-120
Xylene (o)	10	0.0	9.6	96	85-120
Xylene (total)	30	0.0	29	97	85-120
Styrene	10	0.0	9.5	95	85-120
Bromoform	10	0.0	9.7	97	80-120
Isopropylbenzene	10	0.0	9.4	94	80-115
Bromobenzene	10	0.0	9.5	95	80-115
1,1,2,2-Tetrachloroetha	10	0.0	9.7	97	50-165
n-Propylbenzene	10	0.0	9.3	93	80-115
2-Chlorotoluene	10	0.0	9.6	96	80-120
4-Chlorotoluene	10	0.0	9.5	95	80-115
1,3,5-Trimethylbenzene	10	0.0	9.4	94	80-120
tert-Butylbenzene	10	0.0	9.4	94	80-120
1,2,4-Trimethylbenzene	10	0.0	9.6	96	85-120
sec-Butylbenzene	10	0.0	9.3	93	85-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix Spike - ASWASS Sample No.: AMW039052

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,3-Dichlorobenzene	10	0.0	9.4	94	85-120
4-Isopropyltoluene	10	0.0	9.0	90	80-120
1,4-Dichlorobenzene	10	0.0	9.1	91	85-120
1,2-Dichlorobenzene	10	0.0	9.4	94	85-120
n-Butylbenzene	10	0.0	9.1	91	85-125
1,2-Dibromo-3-Chloropro	10	0.0	9.8	98	65-140
1,2,4-Trichlorobenzene	10	0.0	9.0	90	85-120
Hexachlorobutadiene	10	0.0	9.1	91	80-120
Naphthalene	10	0.0	9.6	96	85-120
1,2,3-Trichlorobenzene	10	0.0	9.3	93	80-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix Spike - ASWASS Sample No.: AMW039052

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Dichlorodifluoromethane	10	7.7	77	5	30	50-160
Chloromethane	10	9.7	97	18	30	55-140
Vinyl Chloride	10	9.0	90	10	30	75-135
Bromomethane	10	9.9	99	20	30	70-130
Chloroethane	10	11	110	16	30	70-135
Trichlorofluoromethane	10	9.6	96	4	30	80-115
1,1-Dichloroethene	10	11	110	10	30	80-120
Freon TF	10	8.9	89	7	30	80-120
Acetone	50	49	98	8	30	40-175
Carbon Disulfide	10	9.3	93	8	30	80-125
Methylene Chloride	10	11	110	10	30	85-120
trans-1,2-Dichloroethen	10	11	110	10	30	80-115
Methyl-t-Butyl Ether	10	10	100	7	30	80-120
1,2-Dichloroethene (tot	20	21	105	5	30	80-115
1,1-Dichloroethane	10	10	100	1	30	85-120
cis-1,2-Dichloroethene	10	10	100	2	30	80-115
2-Butanone	50	51	102	4	30	70-140
Bromochloromethane	10	11	110	10	30	80-115
Chloroform	10	10	100	4	30	85-120
1,1,1-Trichloroethane	10	11	110	10	30	80-115
Carbon Tetrachloride	10	11	110	10	30	80-115
1,1-Dichloropropene	10	11	110	10	30	80-115
Benzene	10	11	110	10	30	80-125
1,2-Dichloroethane	10	10	100	0	30	80-120
Trichloroethene	10	10	100	5	30	80-120
1,2-Dichloropropane	10	10	100	4	30	80-120
Dibromomethane	10	11	110	10	30	85-120
Bromodichloromethane	10	10	100	2	30	85-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix Spike - ASWASS Sample No.: AMW039052

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
cis-1,3-Dichloropropene	10	10	100	3	30	85-120
4-Methyl-2-pentanone	50	52	104	2	30	75-130
Toluene	10	10	100	3	30	85-120
trans-1,3-Dichloroprope	10	10	100	3	30	85-120
1,1,2-Trichloroethane	10	10	100	1	30	80-125
Tetrachloroethene	10	10	100	3	30	80-115
1,3-Dichloropropane	10	10	100	3	30	85-120
2-Hexanone	50	53	106	2	30	60-165
Dibromochloromethane	10	11	110	10	30	85-120
1,2-Dibromoethane	10	10	100	3	30	85-120
Chlorobenzene	10	10	100	5	30	80-120
1,1,1,2-Tetrachloroetha	10	10	100	3	30	80-115
Ethylbenzene	10	10	100	5	30	85-120
Xylene (m,p)	20	20	100	5	30	85-120
Xylene (o)	10	10	100	4	30	85-120
Xylene (total)	30	31	103	6	30	85-120
Styrene	10	10	100	5	30	85-120
Bromoform	10	10	100	3	30	80-120
Isopropylbenzene	10	9.9	99	5	30	80-115
Bromobenzene	10	10	100	5	30	80-115
1,1,2,2-Tetrachloroetha	10	10	100	3	30	50-165
n-Propylbenzene	10	9.8	98	5	30	80-115
2-Chlorotoluene	10	9.9	99	3	30	80-120
4-Chlorotoluene	10	9.9	99	4	30	80-115
1,3,5-Trimethylbenzene	10	9.9	99	5	30	80-120
tert-Butylbenzene	10	10	100	6	30	80-120
1,2,4-Trimethylbenzene	10	10	100	4	30	85-120
sec-Butylbenzene	10	9.9	99	6	30	85-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix Spike - ASWASS Sample No.: AMW039052

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,3-Dichlorobenzene	10	10	100	6	30	85-120
4-Isopropyltoluene	10	9.6	96	6	30	80-120
1,4-Dichlorobenzene	10	9.8	98	7	30	85-120
1,2-Dichlorobenzene	10	9.9	99	5	30	85-120
n-Butylbenzene	10	9.9	99	8	30	85-125
1,2-Dibromo-3-Chloropro	10	10	100	2	30	65-140
1,2,4-Trichlorobenzene	10	9.9	99	10	30	85-120
Hexachlorobutadiene	10	9.8	98	7	30	80-120
Naphthalene	10	11	110	14	30	85-120
1,2,3-Trichlorobenzene	10	10	100	7	30	80-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 66 outside limits
Spike Recovery: 0 out of 132 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix Spike - Sample No.: LA060510LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Dichlorodifluoromethane	10		7.8	78	50-160
Chloromethane	10		9.3	93	55-140
Vinyl Chloride	10		8.8	88	75-135
Bromomethane	10		9.6	96	70-130
Chloroethane	10		10	100	70-135
Trichlorofluoromethane	10		9.5	95	80-115
1,1-Dichloroethene	10		11	110	80-120
Freon TF	10		8.8	88	80-120
Acetone	50		50	100	40-175
Carbon Disulfide	10		8.9	89	80-125
Methylene Chloride	10		11	110	85-120
trans-1,2-Dichloroethen	10		11	110	80-115
Methyl-t-Butyl Ether	10		9.6	96	80-120
1,2-Dichloroethene (tot	20		21	105	80-115
1,1-Dichloroethane	10		10	100	85-120
cis-1,2-Dichloroethene	10		10	100	80-115
2-Butanone	50		52	104	70-140
Bromochloromethane	10		10	100	80-115
Chloroform	10		9.8	98	85-120
1,1,1-Trichloroethane	10		10	100	80-115
Carbon Tetrachloride	10		10	100	80-115
1,1-Dichloropropene	10		10	100	80-115
Benzene	10		10	100	80-125
1,2-Dichloroethane	10		10	100	80-120
Trichloroethene	10		10	100	80-120
1,2-Dichloropropane	10		9.9	99	80-120
Dibromomethane	10		10	100	85-120
Bromodichloromethane	10		10	100	85-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix Spike - Sample No.: LA060510LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
cis-1,3-Dichloropropene	10		10	100	85-120
4-Methyl-2-pentanone	50		51	102	75-130
Toluene	10		10	100	85-120
trans-1,3-Dichloroprope	10		9.9	99	85-120
1,1,2-Trichloroethane	10		10	100	80-125
Tetrachloroethene	10		10	100	80-115
1,3-Dichloropropane	10		10	100	85-120
2-Hexanone	50		52	104	60-165
Dibromochloromethane	10		10	100	85-120
1,2-Dibromoethane	10		10	100	85-120
Chlorobenzene	10		9.9	99	80-120
1,1,1,2-Tetrachloroetha	10		10	100	80-115
Ethylbenzene	10		9.9	99	85-120
Xylene (m,p)	20		20	100	85-120
Xylene (o)	10		9.8	98	85-120
Xylene (total)	30		31	103	85-120
Styrene	10		9.9	99	85-120
Bromoform	10		10	100	80-120
Isopropylbenzene	10		9.6	96	80-115
Bromobenzene	10		9.8	98	80-115
1,1,2,2-Tetrachloroetha	10		10	100	50-165
n-Propylbenzene	10		9.6	96	80-115
2-Chlorotoluene	10		9.7	97	80-120
4-Chlorotoluene	10		9.9	99	80-115
1,3,5-Trimethylbenzene	10		9.7	97	80-120
tert-Butylbenzene	10		9.7	97	80-120
1,2,4-Trimethylbenzene	10		9.8	98	85-120
sec-Butylbenzene	10		9.7	97	85-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix Spike - Sample No.: LA060510LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,3-Dichlorobenzene	10		9.7	97	85-120
4-Isopropyltoluene	10		9.5	95	80-120
1,4-Dichlorobenzene	10		9.5	95	85-120
1,2-Dichlorobenzene	10		9.7	97	85-120
n-Butylbenzene	10		9.8	98	85-125
1,2-Dibromo-3-Chloropro	10		9.9	99	65-140
1,2,4-Trichlorobenzene	10		10	100	85-120
Hexachlorobutadiene	10		9.8	98	80-120
Naphthalene	10		10	100	85-120
1,2,3-Trichlorobenzene	10		10	100	80-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 66 outside limits

COMMENTS: _____

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLK060510LA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Lab File ID: LEDB02B Lab Sample ID: MBLK060510LA

Date Analyzed: 06/05/10 Time Analyzed: 1529

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: L

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LA060510LCS	LA060510LCS	LED010BQ	1458
02	BMW030052010	831517	831517	1641
03	TRB030052010	831518	831518	1712
04	AMW030052010	831519	831519	1742
05	AMW031052010	831520	831520	1813
06	BMW031052010	831521	831521	1843
07	DMW018052010	831522	831522	1914
08	DMW218052010	831523	831523	1944
09	SMW018052010	831524	831524	2015
10	AMW039052010	831525	831525	2045
11	AMW039052010	831525MS	831525M	2115
12	AMW039052010	831525MD	831525S	2146
13	DMW039052010	831526	831526	2216
14	RIN039052010	831527	831527	2247
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COMMENTS:

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Lab File ID: LED01PV BFB Injection Date: 06/04/10

Instrument ID: L BFB Injection Time: 0800

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.4
75	30.0 - 60.0% of mass 95	47.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.4 (0.6)1
174	50.0 - 120.0% of mass 95	69.8
175	5.0 - 9.0% of mass 174	4.6 (6.7)1
176	95.0 - 101.0% of mass 174	69.2 (99.2)1
177	5.0 - 9.0% of mass 176	4.8 (6.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD001	VSTD001	LED001V	06/04/10	0831
02	VSTD005	VSTD005	LED005V	06/04/10	0902
03	VSTD010	VSTD010	LED010V	06/04/10	0932
04	VSTD025	VSTD025	LED025V	06/04/10	1002
05	VSTD050	VSTD050	LED050V	06/04/10	1033
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FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Lab File ID: LED04PV BFB Injection Date: 06/05/10

Instrument ID: L BFB Injection Time: 1336

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.8
75	30.0 - 60.0% of mass 95	47.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.1 (0.2)1
174	50.0 - 120.0% of mass 95	64.8
175	5.0 - 9.0% of mass 174	4.8 (7.4)1
176	95.0 - 101.0% of mass 174	64.2 (99.1)1
177	5.0 - 9.0% of mass 176	4.0 (6.2)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD010	VSTD010	LED010BV	06/05/10	1428
02	LA060510LCS	LA060510LCS	LED010BQ	06/05/10	1458
03	MBLK060510LA	MBLK060510LA	LEDB02B	06/05/10	1529
04	BMW030052010	831517	831517	06/05/10	1641
05	TRB030052010	831518	831518	06/05/10	1712
06	AMW030052010	831519	831519	06/05/10	1742
07	AMW031052010	831520	831520	06/05/10	1813
08	BMW031052010	831521	831521	06/05/10	1843
09	DMW018052010	831522	831522	06/05/10	1914
10	DMW218052010	831523	831523	06/05/10	1944
11	SMW018052010	831524	831524	06/05/10	2015
12	AMW039052010	831525	831525	06/05/10	2045
13	AMW039052010	831525MS	831525M	06/05/10	2115
14	AMW039052010	831525MD	831525S	06/05/10	2146
15	DMW039052010	831526	831526	06/05/10	2216
16	RIN039052010	831527	831527	06/05/10	2247
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FORM 6
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Instrument ID: L Calibration Date(s): 06/04/10 06/04/10

Heated Purge: (Y/N) N Calibration Time(s): 0831 1033

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

LAB FILE ID: RRF1 =LED001V RRF5 =LED005V
RRF10 =LED010V RRF25 =LED025V RRF50 =LED050V

COMPOUND	RRF1	RRF5	RRF10	RRF25	RRF50	$\overline{RRF}$	% RSD
Dichlorodifluoromethane *	0.478	0.438	0.429	0.415	0.399	0.432	6.9*
Chloromethane *	0.233	0.218	0.216	0.206	0.209	0.216	4.9*
Vinyl Chloride *	0.287	0.278	0.280	0.276	0.274	0.279	1.7*
Bromomethane *	0.200	0.177	0.181	0.179	0.179	0.183	5.3*
Chloroethane *	0.183	0.171	0.167	0.161	0.150	0.166	7.3*
Trichlorofluoromethane *	0.654	0.628	0.619	0.607	0.574	0.616	4.7*
1,1-Dichloroethene *	0.293	0.248	0.251	0.253	0.248	0.259	7.5*
Freon TF *	0.697	0.592	0.582	0.582	0.568	0.604	8.8*
Acetone *	0.060	0.056	0.054	0.054	0.053	0.055	5.1*
Carbon Disulfide *	0.926	0.752	0.738	0.738	0.728	0.776	10.8*
Methylene Chloride *	0.295	0.260	0.268	0.262	0.257	0.268	5.8*
trans-1,2-Dichloroethene *	0.329	0.282	0.290	0.284	0.284	0.294	6.7*
Methyl-t-Butyl Ether *	0.823	0.690	0.698	0.689	0.676	0.715	8.5*
1,2-Dichloroethene (total) *	0.351	0.297	0.304	0.298	0.297	0.309	7.6*
1,1-Dichloroethane *	0.689	0.598	0.595	0.580	0.573	0.607	7.7*
cis-1,2-Dichloroethene *	0.374	0.312	0.318	0.314	0.310	0.326	8.3*
2-Butanone *	0.024	0.024	0.024	0.024	0.025	0.024	1.6*
Bromochloromethane *	0.210	0.178	0.185	0.180	0.164	0.183	9.3*
Chloroform *	0.764	0.648	0.658	0.644	0.626	0.668	8.2*
1,1,1-Trichloroethane *	0.647	0.549	0.563	0.554	0.530	0.569	8.0*
Carbon Tetrachloride *	0.590	0.507	0.516	0.510	0.486	0.522	7.6*
1,1-Dichloropropene *	0.551	0.477	0.484	0.484	0.474	0.494	6.5*
Benzene *	1.034	0.915	0.918	0.915	0.914	0.939	5.7*
1,2-Dichloroethane *	0.405	0.364	0.359	0.353	0.335	0.363	7.1*
Trichloroethene *	0.505	0.373	0.379	0.377	0.378	0.402	14.2*
1,2-Dichloropropane *	0.439	0.352	0.366	0.370	0.364	0.378	9.2*
Dibromomethane *	0.338	0.290	0.297	0.291	0.286	0.300	7.1*
Bromodichloromethane *	0.719	0.612	0.624	0.622	0.602	0.636	7.5*
cis-1,3-Dichloropropene *	0.588	0.514	0.521	0.518	0.513	0.531	6.1*
4-Methyl-2-pentanone *	0.333	0.339	0.340	0.338	0.335	0.337	0.9*
Toluene *	0.879	0.761	0.766	0.762	0.772	0.788	6.5*
trans-1,3-Dichloropropene *	0.639	0.561	0.572	0.568	0.562	0.580	5.7*
1,1,2-Trichloroethane *	0.394	0.330	0.353	0.342	0.342	0.352	7.1*
Tetrachloroethene *	0.626	0.565	0.578	0.573	0.584	0.585	4.1*
1,3-Dichloropropane *	0.707	0.636	0.644	0.640	0.646	0.655	4.5*
2-Hexanone *	0.265	0.276	0.293	0.284	0.292	0.282	4.1*
Dibromochloromethane *	0.685	0.623	0.643	0.635	0.633	0.644	3.7*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM 6
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Instrument ID: L Calibration Date(s): 06/04/10 06/04/10

Heated Purge: (Y/N) N Calibration Time(s): 0831 1033

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

LAB FILE ID: RRF1 =LED001V RRF5 =LED005V
RRF10 =LED010V RRF25 =LED025V RRF50 =LED050V

COMPOUND	RRF1	RRF5	RRF10	RRF25	RRF50	$\overline{RRF}$	% RSD
1,2-Dibromoethane *	0.639	0.545	0.570	0.554	0.569	0.575	6.4*
Chlorobenzene *	1.090	0.933	0.956	0.943	0.963	0.977	6.6*
1,1,1,2-Tetrachloroethane *	0.567	0.497	0.508	0.507	0.510	0.518	5.4*
Ethylbenzene *	1.915	1.625	1.665	1.658	1.691	1.711	6.8*
Xylene (m,p) *	0.698	0.599	0.613	0.613	0.630	0.631	6.2*
Xylene (o) *	0.662	0.575	0.594	0.580	0.596	0.601	5.9*
Xylene (total) *	0.662	0.575	0.594	0.580	0.596	0.601	5.9*
Styrene *	1.042	0.957	0.990	0.991	1.026	1.001	3.3*
Bromoform *	0.488	0.469	0.488	0.493	0.504	0.488	2.6*
Isopropylbenzene *	3.621	3.041	3.031	2.993	3.013	3.140	8.6*
Bromobenzene *	1.019	0.870	0.894	0.876	0.887	0.909	6.8*
1,1,2,2-Tetrachloroethane *	1.471	1.173	1.210	1.161	1.176	1.238	10.6*
n-Propylbenzene *	0.848	0.709	0.733	0.716	0.730	0.747	7.6*
2-Chlorotoluene *	0.813	0.677	0.692	0.676	0.679	0.707	8.4*
4-Chlorotoluene *	0.804	0.663	0.674	0.666	0.699	0.701	8.4*
1,3,5-Trimethylbenzene *	2.626	2.215	2.237	2.210	2.265	2.311	7.7*
tert-Butylbenzene *	2.811	2.326	2.319	2.293	2.311	2.412	9.3*
1,2,4-Trimethylbenzene *	2.484	2.119	2.091	2.073	2.188	2.191	7.7*
sec-Butylbenzene *	4.060	3.414	3.424	3.407	3.468	3.555	8.0*
1,3-Dichlorobenzene *	1.695	1.456	1.477	1.470	1.473	1.514	6.7*
4-Isopropyltoluene *	2.931	2.502	2.484	2.521	2.608	2.609	7.1*
1,4-Dichlorobenzene *	1.850	1.534	1.598	1.558	1.594	1.627	7.8*
1,2-Dichlorobenzene *	1.594	1.340	1.379	1.358	1.381	1.410	7.4*
n-Butylbenzene *	2.569	2.289	2.251	2.346	2.510	2.393	5.8*
1,2-Dibromo-3-Chloropropane *	0.287	0.226	0.242	0.231	0.228	0.243	10.6*
1,2,4-Trichlorobenzene *	0.956	0.887	0.881	0.930	0.994	0.930	5.1*
Hexachlorobutadiene *	0.808	0.674	0.689	0.702	0.679	0.710	7.8*
Naphthalene *	1.645	1.414	1.458	1.493	1.587	1.519	6.2*
1,2,3-Trichlorobenzene *	0.918	0.778	0.794	0.829	0.864	0.837	6.7*
1,2-Dichloroethane-d4 *	0.381	0.309	0.296	0.294	0.277	0.311	13.0*
Toluene-d8 *	1.400	1.214	1.224	1.214	1.230	1.256	6.4*
Bromofluorobenzene *	1.607	1.272	1.294	1.261	1.265	1.340	11.2*
1,2-Dichlorobenzene-d4 *	1.092	0.902	0.904	0.895	0.897	0.938	9.2*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Instrument ID: L Calibration Date: 06/05/10 Time: 1428

Lab File ID: LED010BV Init. Calib. Date(s): 06/04/10 06/04/10

Heated Purge: (Y/N) N Init. Calib. Times: 0831 1033

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

COMPOUND	$\overline{RRF}$	RRF10	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.432	0.420		2.8	20.0
Chloromethane	0.216	0.204	0.1	5.6	20.0
Vinyl Chloride	0.279	0.268		3.9	20.0
Bromomethane	0.183	0.168		8.2	20.0
Chloroethane	0.166	0.164		1.2	20.0
Trichlorofluoromethane	0.616	0.606		1.6	20.0
1,1-Dichloroethene	0.259	0.247		4.6	20.0
Freon TF	0.604	0.590		2.3	20.0
Acetone	0.055	0.053		3.6	20.0
Carbon Disulfide	0.776	0.766		1.3	20.0
Methylene Chloride	0.268	0.270		0.7	20.0
trans-1,2-Dichloroethene	0.294	0.284		3.4	20.0
Methyl-t-Butyl Ether	0.715	0.701		2.0	20.0
1,2-Dichloroethene (total)	0.309	0.297		3.9	20.0
1,1-Dichloroethane	0.607	0.606	0.1	0.2	20.0
cis-1,2-Dichloroethene	0.326	0.310		4.9	20.0
2-Butanone	0.024	0.024		0.0	20.0
Bromochloromethane	0.183	0.184		0.5	20.0
Chloroform	0.668	0.658		1.5	20.0
1,1,1-Trichloroethane	0.569	0.561		1.4	20.0
Carbon Tetrachloride	0.522	0.516		1.1	20.0
1,1-Dichloropropene	0.494	0.490		0.8	20.0
Benzene	0.939	0.927		1.3	20.0
1,2-Dichloroethane	0.363	0.362		0.3	20.0
Trichloroethene	0.402	0.373		7.2	20.0
1,2-Dichloropropane	0.378	0.366		3.2	20.0
Dibromomethane	0.300	0.296		1.3	20.0
Bromodichloromethane	0.636	0.628		1.2	20.0
cis-1,3-Dichloropropene	0.531	0.524		1.3	20.0
4-Methyl-2-pentanone	0.337	0.341		1.2	20.0
Toluene	0.788	0.767		2.7	20.0
trans-1,3-Dichloropropene	0.580	0.570		1.7	20.0
1,1,2-Trichloroethane	0.352	0.341		3.1	20.0
Tetrachloroethene	0.585	0.573		2.0	20.0
1,3-Dichloropropane	0.655	0.643		1.8	20.0
2-Hexanone	0.282	0.285		1.1	20.0
Dibromochloromethane	0.644	0.643		0.2	20.0

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Instrument ID: L Calibration Date: 06/05/10 Time: 1428

Lab File ID: LED010BV Init. Calib. Date(s): 06/04/10 06/04/10

Heated Purge: (Y/N) N Init. Calib. Times: 0831 1033

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

COMPOUND	$\overline{RRF}$	RRF10	MIN RRF	%D	MAX %D
1,2-Dibromoethane	0.575	0.568		1.2	20.0
Chlorobenzene	0.977	0.961	0.3	1.6	20.0
1,1,1,2-Tetrachloroethane	0.518	0.505		2.5	20.0
Ethylbenzene	1.711	1.661		2.9	20.0
Xylene (m,p)	0.631	0.607		3.8	20.0
Xylene (o)	0.601	0.590		1.8	20.0
Xylene (total)	0.601	0.590		1.8	20.0
Styrene	1.001	0.992		0.9	20.0
Bromoform	0.488	0.494	0.1	1.2	20.0
Isopropylbenzene	3.140	3.053		2.8	20.0
Bromobenzene	0.909	0.892		1.9	20.0
1,1,2,2-Tetrachloroethane	1.238	1.225	0.3	1.0	20.0
n-Propylbenzene	0.747	0.736		1.5	20.0
2-Chlorotoluene	0.707	0.695		1.7	20.0
4-Chlorotoluene	0.701	0.680		3.0	20.0
1,3,5-Trimethylbenzene	2.311	2.283		1.2	20.0
tert-Butylbenzene	2.412	2.384		1.2	20.0
1,2,4-Trimethylbenzene	2.191	2.181		0.4	20.0
sec-Butylbenzene	3.555	3.524		0.9	20.0
1,3-Dichlorobenzene	1.514	1.489		1.6	20.0
4-Isopropyltoluene	2.609	2.615		0.2	20.0
1,4-Dichlorobenzene	1.627	1.580		2.9	20.0
1,2-Dichlorobenzene	1.410	1.377		2.3	20.0
n-Butylbenzene	2.393	2.425		1.3	20.0
1,2-Dibromo-3-Chloropropane	0.243	0.246		1.2	20.0
1,2,4-Trichlorobenzene	0.930	0.933		0.3	20.0
Hexachlorobutadiene	0.710	0.691		2.7	20.0
Naphthalene	1.519	1.525		0.4	20.0
1,2,3-Trichlorobenzene	0.837	0.825		1.4	20.0
1,2-Dichloroethane-d4	0.311	0.320		2.9	20.0
Toluene-d8	1.256	1.223		2.6	20.0
Bromofluorobenzene	1.340	1.310		2.2	20.0
1,2-Dichlorobenzene-d4	0.938	0.916		2.3	20.0

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Lab File ID (Standard): LED010BV Date Analyzed: 06/05/10

Instrument ID: L Time Analyzed: 1428

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

		IS1 AREA #	IS1 RT #	IS2(CBZ) AREA #	IS2(CBZ) RT #	IS3(DCB) AREA #	IS3(DCB) RT #
	12 HOUR STD	748043	9.42	601977	15.16	355435	19.74
	UPPER LIMIT	1496086	9.92	1203954	15.66	710870	20.24
	LOWER LIMIT	374022	8.92	300988	14.66	177718	19.24
	CLIENT SAMPLE NO.						
01	LA060510LCS	785370	9.41	628407	15.16	376535	19.75
02	MBLK060510LA	791794	9.42	618112	15.15	341173	19.75
03	BMW030052010	763982	9.43	593186	15.17	328937	19.76
04	TRB030052010	732584	9.42	562770	15.16	303524	19.77
05	AMW030052010	741939	9.42	580613	15.18	318075	19.76
06	AMW031052010	786489	9.42	616295	15.17	342792	19.75
07	BMW031052010	755642	9.42	605166	15.18	325518	19.75
08	DMW018052010	757205	9.42	600359	15.16	327072	19.75
09	DMW218052010	759329	9.42	576636	15.17	330259	19.75
10	SMW018052010	757763	9.43	600155	15.16	328351	19.75
11	AMW039052010	751859	9.42	587842	15.15	328096	19.75
12	AMW039052010	741906	9.42	594602	15.16	349140	19.74
13	AMW039052010	782568	9.42	625111	15.15	374102	19.74
14	DMW039052010	790000	9.42	620312	15.15	336487	19.74
15	RIN039052010	769101	9.42	597113	15.15	336227	19.75
16							
17							
18							
19							
20							
21							
22							

IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8330 Nitroaromatics/Nitramines

FORM 1
EXPLOSIVES ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

AMW-030

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831519

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: 07JUN100736-R191

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/29/10

Extraction: (SepF/Cont/Sonc) SOLIDPHASE Date Extracted: 06/02/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/07/10

Injection Volume: 150.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2691-41-0	HMX	0.20	U
121-82-4	RDX	0.20	U
99-35-4	1,3,5-Trinitrobenzene	0.20	U
99-65-0	1,3-Dinitrobenzene	0.20	U
98-95-3	Nitrobenzene	0.20	U
479-45-8	Tetryl	0.20	U
118-96-7	2,4,6-Trinitrotoluene	0.20	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.20	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.20	U
606-20-2	2,6-Dinitrotoluene	0.20	U
121-14-2	2,4-Dinitrotoluene	0.20	U
88-72-2	2-Nitrotoluene	0.20	U
99-99-0	4-Nitrotoluene	0.20	U
99-08-1	3-Nitrotoluene	0.20	U

FORM 1

EXPLOSIVES ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

AMW-031

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831520

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: 07JUN100736-R201

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/29/10

Extraction: (SepF/Cont/Sonc) SOLIDPHASE Date Extracted: 06/02/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/07/10

Injection Volume: 150.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2691-41-0	HMX	0.20	U
121-82-4	RDX	0.20	U
99-35-4	1,3,5-Trinitrobenzene	0.20	U
99-65-0	1,3-Dinitrobenzene	0.20	U
98-95-3	Nitrobenzene	0.20	U
479-45-8	Tetryl	0.20	U
118-96-7	2,4,6-Trinitrotoluene	0.20	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.20	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.20	U
606-20-2	2,6-Dinitrotoluene	0.20	U
121-14-2	2,4-Dinitrotoluene	0.20	U
88-72-2	2-Nitrotoluene	0.20	U
99-99-0	4-Nitrotoluene	0.20	U
99-08-1	3-Nitrotoluene	0.20	U

FORM 1
EXPLOSIVES ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

AMW-039

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831525

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: 07JUN100736-R251

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/29/10

Extraction: (SepF/Cont/Sonc) SOLIDPHASE Date Extracted: 06/02/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/07/10

Injection Volume: 150.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2691-41-0	HMX	0.20	U
121-82-4	RDX	0.20	U
99-35-4	1,3,5-Trinitrobenzene	0.20	U
99-65-0	1,3-Dinitrobenzene	0.20	U
98-95-3	Nitrobenzene	0.20	U
479-45-8	Tetryl	0.20	U
118-96-7	2,4,6-Trinitrotoluene	0.20	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.20	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.20	U
606-20-2	2,6-Dinitrotoluene	0.20	U
121-14-2	2,4-Dinitrotoluene	0.20	U
88-72-2	2-Nitrotoluene	0.20	U
99-99-0	4-Nitrotoluene	0.20	U
99-08-1	3-Nitrotoluene	0.20	U

FORM 1
EXPLOSIVES ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

BMW-030

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831517

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: 07JUN100736-R181

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/29/10

Extraction: (SepF/Cont/Sonc) SOLIDPHASE Date Extracted: 06/02/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/07/10

Injection Volume: 150.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2691-41-0	HMX	0.20	U
121-82-4	RDX	0.20	U
99-35-4	1,3,5-Trinitrobenzene	0.20	U
99-65-0	1,3-Dinitrobenzene	0.20	U
98-95-3	Nitrobenzene	0.20	U
479-45-8	Tetryl	0.20	U
118-96-7	2,4,6-Trinitrotoluene	0.20	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.20	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.20	U
606-20-2	2,6-Dinitrotoluene	0.20	U
121-14-2	2,4-Dinitrotoluene	0.20	U
88-72-2	2-Nitrotoluene	0.20	U
99-99-0	4-Nitrotoluene	0.20	U
99-08-1	3-Nitrotoluene	0.20	U

FORM 1
EXPLOSIVES ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

BMW-031

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831521

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: 07JUN100736-R211

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/29/10

Extraction: (SepF/Cont/Sonc) SOLIDPHASE Date Extracted: 06/02/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/07/10

Injection Volume: 150.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2691-41-0	HMX	0.20	U
121-82-4	RDX	0.20	U
99-35-4	1,3,5-Trinitrobenzene	0.20	U
99-65-0	1,3-Dinitrobenzene	0.20	U
98-95-3	Nitrobenzene	0.20	U
479-45-8	Tetryl	0.20	U
118-96-7	2,4,6-Trinitrotoluene	0.20	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.20	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.20	U
606-20-2	2,6-Dinitrotoluene	0.20	U
121-14-2	2,4-Dinitrotoluene	0.20	U
88-72-2	2-Nitrotoluene	0.20	U
99-99-0	4-Nitrotoluene	0.20	U
99-08-1	3-Nitrotoluene	0.20	U

FORM 1
EXPLOSIVES ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

DMW-018

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831522

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: 07JUN100736-R221

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/29/10

Extraction: (SepF/Cont/Sonc) SOLIDPHASE Date Extracted: 06/02/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/07/10

Injection Volume: 150.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2691-41-0	HMX	0.20	U
121-82-4	RDX	0.20	U
99-35-4	1,3,5-Trinitrobenzene	0.20	U
99-65-0	1,3-Dinitrobenzene	0.20	U
98-95-3	Nitrobenzene	0.20	U
479-45-8	Tetryl	0.20	U
118-96-7	2,4,6-Trinitrotoluene	0.20	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.20	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.20	U
606-20-2	2,6-Dinitrotoluene	0.20	U
121-14-2	2,4-Dinitrotoluene	0.20	U
88-72-2	2-Nitrotoluene	0.20	U
99-99-0	4-Nitrotoluene	0.20	U
99-08-1	3-Nitrotoluene	0.20	U

FORM 1
EXPLOSIVES ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

DMW-039

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831526

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: 07JUN100736-R271

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/29/10

Extraction: (SepF/Cont/Sonc) SOLIDPHASE Date Extracted: 06/02/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 150.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2691-41-0	HMX	0.20	U
121-82-4	RDX	0.20	U
99-35-4	1,3,5-Trinitrobenzene	0.20	U
99-65-0	1,3-Dinitrobenzene	0.20	U
98-95-3	Nitrobenzene	0.20	U
479-45-8	Tetryl	0.20	U
118-96-7	2,4,6-Trinitrotoluene	0.20	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.20	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.20	U
606-20-2	2,6-Dinitrotoluene	0.20	U
121-14-2	2,4-Dinitrotoluene	0.20	U
88-72-2	2-Nitrotoluene	0.20	U
99-99-0	4-Nitrotoluene	0.20	U
99-08-1	3-Nitrotoluene	0.20	U

FORM 1
EXPLOSIVES ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

DMW-218

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831523

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: 07JUN100736-R231

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/29/10

Extraction: (SepF/Cont/Sonc) SOLIDPHASE Date Extracted: 06/02/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/07/10

Injection Volume: 150.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2691-41-0	HMX	0.20	U
121-82-4	RDX	0.20	U
99-35-4	1,3,5-Trinitrobenzene	0.20	U
99-65-0	1,3-Dinitrobenzene	0.20	U
98-95-3	Nitrobenzene	0.20	U
479-45-8	Tetryl	0.20	U
118-96-7	2,4,6-Trinitrotoluene	0.20	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.20	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.20	U
606-20-2	2,6-Dinitrotoluene	0.20	U
121-14-2	2,4-Dinitrotoluene	0.20	U
88-72-2	2-Nitrotoluene	0.20	U
99-99-0	4-Nitrotoluene	0.20	U
99-08-1	3-Nitrotoluene	0.20	U

FORM 1
EXPLOSIVES ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

RIN-039

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831527

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: 07JUN100736-R281

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/29/10

Extraction: (SepF/Cont/Sonc) SOLIDPHASE Date Extracted: 06/02/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 150.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2691-41-0	HMX	0.20	U
121-82-4	RDX	0.20	U
99-35-4	1,3,5-Trinitrobenzene	0.20	U
99-65-0	1,3-Dinitrobenzene	0.18	J
98-95-3	Nitrobenzene	0.20	U
479-45-8	Tetryl	0.20	U
118-96-7	2,4,6-Trinitrotoluene	0.20	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.20	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.20	U
606-20-2	2,6-Dinitrotoluene	0.23	
121-14-2	2,4-Dinitrotoluene	0.20	U
88-72-2	2-Nitrotoluene	0.20	U
99-99-0	4-Nitrotoluene	0.20	U
99-08-1	3-Nitrotoluene	0.20	U

FORM 1
EXPLOSIVES ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

SMW-018

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831524

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: 07JUN100736-R241

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/29/10

Extraction: (SepF/Cont/Sonc) SOLIDPHASE Date Extracted: 06/02/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/07/10

Injection Volume: 150.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2691-41-0	HMX	0.20	U
121-82-4	RDX	0.20	U
99-35-4	1,3,5-Trinitrobenzene	0.20	U
99-65-0	1,3-Dinitrobenzene	0.20	U
98-95-3	Nitrobenzene	0.20	U
479-45-8	Tetryl	0.20	U
118-96-7	2,4,6-Trinitrotoluene	0.20	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.20	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.20	U
606-20-2	2,6-Dinitrotoluene	0.20	U
121-14-2	2,4-Dinitrotoluene	0.20	U
88-72-2	2-Nitrotoluene	0.20	U
99-99-0	4-Nitrotoluene	0.20	U
99-08-1	3-Nitrotoluene	0.20	U

FORM 1
EXPLOSIVES ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK060210A

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: MBLK060210A

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: 07JUN100736-R161

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) SOLIDPHASE Date Extracted: 06/02/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/07/10

Injection Volume: 150.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2691-41-0	HMX	0.20	U
121-82-4	RDX	0.20	U
99-35-4	1,3,5-Trinitrobenzene	0.20	U
99-65-0	1,3-Dinitrobenzene	0.20	U
98-95-3	Nitrobenzene	0.20	U
479-45-8	Tetryl	0.20	U
118-96-7	2,4,6-Trinitrotoluene	0.20	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.20	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.20	U
606-20-2	2,6-Dinitrotoluene	0.20	U
121-14-2	2,4-Dinitrotoluene	0.20	U
88-72-2	2-Nitrotoluene	0.20	U
99-99-0	4-Nitrotoluene	0.20	U
99-08-1	3-Nitrotoluene	0.20	U

FORM 1
EXPLOSIVES ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

AMW-039MS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831525MS

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: 07JUN100736-R291

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/29/10

Extraction: (SepF/Cont/Sonc) SOLIDPHASE Date Extracted: 06/02/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 150.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2691-41-0	HMX	3.6	
121-82-4	RDX	3.7	
99-35-4	1,3,5-Trinitrobenzene	3.6	
99-65-0	1,3-Dinitrobenzene	3.7	
98-95-3	Nitrobenzene	3.8	
479-45-8	Tetryl	3.6	
118-96-7	2,4,6-Trinitrotoluene	3.7	
19406-51-0	4-Amino-2,6-dinitrotoluene	3.7	
35572-78-2	2-Amino-4,6-dinitrotoluene	3.7	
606-20-2	2,6-Dinitrotoluene	3.8	
121-14-2	2,4-Dinitrotoluene	3.8	
88-72-2	2-Nitrotoluene	3.8	
99-99-0	4-Nitrotoluene	3.8	
99-08-1	3-Nitrotoluene	3.7	

FORM 1
EXPLOSIVES ORGANICS ANALYSIS DATA SHEET

ASWASS SAMPLE NO.

AMW-039MSD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: 831525MD

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: 07JUN100736-R301

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/29/10

Extraction: (SepF/Cont/Sonc) SOLIDPHASE Date Extracted: 06/02/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 150.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2691-41-0	HMX	3.5	
121-82-4	RDX	3.7	
99-35-4	1,3,5-Trinitrobenzene	3.6	
99-65-0	1,3-Dinitrobenzene	3.7	
98-95-3	Nitrobenzene	3.7	
479-45-8	Tetryl	3.5	
118-96-7	2,4,6-Trinitrotoluene	3.6	
19406-51-0	4-Amino-2,6-dinitrotoluene	3.6	
35572-78-2	2-Amino-4,6-dinitrotoluene	3.6	
606-20-2	2,6-Dinitrotoluene	3.7	
121-14-2	2,4-Dinitrotoluene	3.7	
88-72-2	2-Nitrotoluene	3.7	
99-99-0	4-Nitrotoluene	3.7	
99-08-1	3-Nitrotoluene	3.6	

FORM 1
EXPLOSIVES ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

A060210LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix: (soil/water) WATER Lab Sample ID: A060210LCS

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: 07JUN100736-R171

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) SOLIDPHASE Date Extracted: 06/02/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/07/10

Injection Volume: 150.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2691-41-0	HMX	4.0	
121-82-4	RDX	4.0	
99-35-4	1,3,5-Trinitrobenzene	4.0	
99-65-0	1,3-Dinitrobenzene	4.2	
98-95-3	Nitrobenzene	4.2	
479-45-8	Tetryl	4.0	
118-96-7	2,4,6-Trinitrotoluene	4.2	
19406-51-0	4-Amino-2,6-dinitrotoluene	4.2	
35572-78-2	2-Amino-4,6-dinitrotoluene	4.2	
606-20-2	2,6-Dinitrotoluene	4.3	
121-14-2	2,4-Dinitrotoluene	4.3	
88-72-2	2-Nitrotoluene	4.3	
99-99-0	4-Nitrotoluene	4.3	
99-08-1	3-Nitrotoluene	4.1	

FORM 2
WATER EXPLOSIVES SURROGATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

GC Column(1): C-18 ID: 4.60 (mm) GC Column(2): BIPHENYL ID: 4.60 (mm)

	CLIENT SAMPLE NO.	S1 1 %REC #	S1 2 %REC #	S2 1 %REC #	S2 2 %REC #	S3 1 %REC #	S3 2 %REC #	TOT OUT
01	MBLK060210A	91	93					0
02	A060210LCS	94	97					0
03	BMW-030	91						0
04	AMW-030	80						0
05	AMW-031	78						0
06	BMW-031	97						0
07	DMW-018	88	96					0
08	DMW-218	90	97					0
09	SMW-018	97	105					0
10	AMW-039	92						0
11	DMW-039	99						0
12	RIN-039	93	105					0
13	AMW-039MS	95						0
14	AMW-039MSD	92						0
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								

ADVISORY
QC LIMITS

S1 = 1,2-Dinitrobenzene (70-115)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM 3

WATER EXPLOSIVES MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix Spike - ASWASS Sample No.: AMW-039

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
HMX	4.0	0.0	3.6	90	70-115
RDX	4.0	0.0	3.7	92	70-115
1,3,5-Trinitrobenzene	4.0	0.0	3.6	90	65-110
1,3-Dinitrobenzene	4.0	0.0	3.7	92	70-115
Nitrobenzene	4.0	0.0	3.8	95	70-115
Tetryl	4.0	0.0	3.6	90	65-110
2,4,6-Trinitrotoluene	4.0	0.0	3.7	92	70-115
4-Amino-2,6-dinitrotolu	4.0	0.0	3.7	92	70-115
2-Amino-4,6-dinitrotolu	4.0	0.0	3.7	92	70-115
2,6-Dinitrotoluene	4.0	0.0	3.8	95	70-115
2,4-Dinitrotoluene	4.0	0.0	3.8	95	70-115
2-Nitrotoluene	4.0	0.0	3.8	95	70-115
4-Nitrotoluene	4.0	0.0	3.8	95	70-115
3-Nitrotoluene	4.0	0.0	3.7	92	70-115

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER EXPLOSIVES MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix Spike - ASWASS Sample No.: AMW-039

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
HMX	4.0	3.5	88	3	20	70-115
RDX	4.0	3.7	92	0	20	70-115
1,3,5-Trinitrobenzene	4.0	3.6	90	0	20	65-110
1,3-Dinitrobenzene	4.0	3.7	92	0	20	70-115
Nitrobenzene	4.0	3.7	92	3	20	70-115
Tetryl	4.0	3.5	88	3	20	65-110
2,4,6-Trinitrotoluene	4.0	3.6	90	3	20	70-115
4-Amino-2,6-dinitrotolu	4.0	3.6	90	3	20	70-115
2-Amino-4,6-dinitrotolu	4.0	3.6	90	3	20	70-115
2,6-Dinitrotoluene	4.0	3.7	92	3	20	70-115
2,4-Dinitrotoluene	4.0	3.7	92	3	20	70-115
2-Nitrotoluene	4.0	3.7	92	3	20	70-115
4-Nitrotoluene	4.0	3.7	92	3	20	70-115
3-Nitrotoluene	4.0	3.6	90	3	20	70-115

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 14 outside limits
Spike Recovery: 0 out of 28 outside limits

COMMENTS: _____

FORM 3
WATER EXPLOSIVES LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Matrix Spike - Sample No.: A060210LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
HMX	4.0		4.0	100	70-115
RDX	4.0		4.0	100	70-115
1,3,5-Trinitrobenzene	4.0		4.0	100	65-110
1,3-Dinitrobenzene	4.0		4.2	105	70-115
Nitrobenzene	4.0		4.2	105	70-115
Tetryl	4.0		4.0	100	65-110
2,4,6-Trinitrotoluene	4.0		4.2	105	70-115
4-Amino-2,6-dinitrotolu	4.0		4.2	105	70-115
2-Amino-4,6-dinitrotolu	4.0		4.2	105	70-115
2,6-Dinitrotoluene	4.0		4.3	108	70-115
2,4-Dinitrotoluene	4.0		4.3	108	70-115
2-Nitrotoluene	4.0		4.3	108	70-115
4-Nitrotoluene	4.0		4.3	108	70-115
3-Nitrotoluene	4.0		4.1	102	70-115

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 14 outside limits

COMMENTS: _____

FORM 4
EXPLOSIVES METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLK060210A

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Lab Sample ID: MBLK060210A Lab File ID: 07JUN100736-R161

Matrix (soil/water) WATER Extraction:(SepF/Cont/Sonc) SOLIDPHASE

Sulfur Cleanup (Y/N) N Date Extracted: 06/02/10

Date Analyzed (1): 06/07/10 Date Analyzed (2): 06/10/10

Time Analyzed (1): 1744 Time Analyzed (2): 0517

Instrument ID (1): 1208_1 Instrument ID (2): 1488_1

GC Column (1): C-18 ID: 4.60(mm) GC Column (2): BIPHENYL ID: 4.60(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	A060210LCS	A060210LCS	06/07/10	06/10/10
02	BMW-030	831517	06/07/10	
03	AMW-030	831519	06/07/10	
04	AMW-031	831520	06/07/10	
05	BMW-031	831521	06/07/10	
06	DMW-018	831522	06/07/10	06/10/10
07	DMW-218	831523	06/07/10	06/10/10
08	SMW-018	831524	06/07/10	06/10/10
09	AMW-039	831525	06/07/10	
10	DMW-039	831526	06/08/10	
11	RIN-039	831527	06/08/10	06/10/10
12	AMW-039MS	831525MS	06/08/10	
13	AMW-039MSD	831525MD	06/08/10	
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				

COMMENTS:

FORM 6
EXPLOSIVES INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Instrument ID: 1488_1 Calibration Date(s): 01/12/10 01/13/10

Column: BIPHENYL ID: 4.60 (mm) Calibration Time(s): 1629 0102

LAB FILE ID: RF10: 12JAN101500-RF25: 12JAN101500-RF50: 12JAN101500-
RF200: 12JAN101500RF500: 12JAN101500RF1000: 12JAN10150

COMPOUND	RF10	RF25	RF50	RF200	RF500	RF1000
HMX	7389	19531	39170	170545	441761	889640
RDX	5749	15113	29855	121109	304474	607713
1,3,5-Trinitrobenzene	15007	40131	76219	302752	768555	1540561
1,3-Dinitrobenzene	14310	36720	70775	282049	722004	1446903
Nitrobenzene	4791	12020	22634	88231	223693	446359
Tetryl	21938	55235	106455	426259	1083119	2203625
2,4,6-Trinitrotoluene	8868	22137	44237	172953	439374	878457
4-Amino-2,6-dinitrotoluene	12962	31603	63720	259822	653033	1278793
2-Amino-4,6-dinitrotoluene	11944	31806	61952	238169	608891	1244042
2,6-Dinitrotoluene	8164	19817	37970	150200	379610	764172
2,4-Dinitrotoluene	21938	55235	106455	426259	1083119	2203625
2-Nitrotoluene	3228	8254	15862	63522	157459	314818
4-Nitrotoluene	6415	13537	25061	97964	246199	495148
3-Nitrotoluene	6415	13537	25061	97964	246199	495148
1,2-Dinitrobenzene	6603	15847	30260	119870	302263	604698

FORM 6
EXPLOSIVES INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Instrument ID: 1488_1 Calibration Date(s): 01/12/10 01/13/10

Column: BIPHENYL ID: 4.60 (mm) Calibration Time(s): 1629 0102

COMPOUND	CURVE	COEFFICENTS A0	COEFFICENTS A1	%RSD OR R^2	MAX %RSD OR R^2
HMX	WLINR	2.60500203	886.211482	0.9997040	0.9900000
RDX	WLINR	0.50056800	608.313734	0.9999926	0.9900000
1,3,5-Trinitrobenzene	WLINR	-0.0036385	1536.80193	0.9999304	0.9900000
1,3-Dinitrobenzene	WLINR	0.14766973	1442.03847	0.9999160	0.9900000
Nitrobenzene	WLINR	-1.0029811	445.404820	0.9999413	0.9900000
Tetryl	WLINR	0.39922564	1092.22613	0.9998351	0.9900000
2,4,6-Trinitrotoluene	WLINR	-0.1159854	876.983583	0.9999688	0.9900000
4-Amino-2,6-dinitrotoluene	WLINR	0.06392129	1288.75477	0.9998868	0.9900000
2-Amino-4,6-dinitrotoluene	WLINR	0.14210277	1231.29065	0.9997337	0.9900000
2,6-Dinitrotoluene	WLINR	-0.6376928	760.237653	0.9999433	0.9900000
2,4-Dinitrotoluene	WLINR	0.39922564	1092.22613	0.9998351	0.9900000
2-Nitrotoluene	WLINR	-0.5290031	314.926285	0.9999777	0.9900000
4-Nitrotoluene	WLINR	-5.2077010	245.560550	0.9999016	0.9900000
3-Nitrotoluene	WLINR	-5.2077010	245.560550	0.9999016	0.9900000
1,2-Dinitrobenzene	WLINR	-0.8889906	602.983038	0.9999729	0.9900000

FORM 6
EXPLOSIVES INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Instrument ID: 1208_1 Calibration Date(s): 04/05/10 04/06/10

Column: C-18 ID: 4.60 (mm) Calibration Time(s): 1706 0150

LAB FILE ID: RF10: 05AP101547-RRF25: 05AP101547-RRF50: 05AP101547-R
RF200: 05AP101547-RF500: 05AP101547-RF1000: 05AP101547

COMPOUND	RF10	RF25	RF50	RF200	RF500	RF1000
HMX	2571	6001	12189	46181	120398	245554
RDX	2848	6390	13127	49664	128512	260285
1,3,5-Trinitrobenzene	5938	14502	28782	110522	284806	578942
1,3-Dinitrobenzene	7490	17872	36222	139671	358909	727424
Nitrobenzene	3996	10237	20890	80472	208858	412919
Tetryl	4120	10702	21140	84953	211867	435235
2,4,6-Trinitrotoluene	4832	11714	24092	92783	238803	485736
4-Amino-2,6-dinitrotoluene	4014	9656	19966	74793	197992	399979
2-Amino-4,6-dinitrotoluene	4979	12159	25250	97347	253886	513234
2,6-Dinitrotoluene	3510	8380	17477	66802	174296	347318
2,4-Dinitrotoluene	6499	15596	31974	122426	316457	644014
2-Nitrotoluene	2721	6896	13882	56663	133968	266616
4-Nitrotoluene	2065	4656	9845	37013	95426	189907
3-Nitrotoluene	4592	7738	14858	49918	126501	249267
1,2-Dinitrobenzene	3153	7688	15353	63179	156071	316218

FORM 6
EXPLOSIVES INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Instrument ID: 1208_1 Calibration Date(s): 04/05/10 04/06/10

Column: C-18 ID: 4.60 (mm) Calibration Time(s): 1706 0150

COMPOUND	CURVE	COEFFICENTS A0	COEFFICENTS A1	%RSD OR R^2	MAX %RSD OR R^2
HMX	WLINR	-0.0856302	242.447863	0.9995673	0.9900000
RDX	WLINR	-0.5137630	257.720759	0.9997110	0.9900000
1,3,5-Trinitrobenzene	WLINR	-0.1224453	573.148977	0.9997498	0.9900000
1,3-Dinitrobenzene	WLINR	-0.0364845	721.249363	0.9998067	0.9900000
Nitrobenzene	WLINR	0.30567591	413.518440	0.9998710	0.9900000
Tetryl	WLINR	0.54854999	431.056435	0.9998285	0.9900000
2,4,6-Trinitrotoluene	WLINR	0.32393134	481.173784	0.9997616	0.9900000
4-Amino-2,6-dinitrotoluene	WLINR	0.29994986	396.141701	0.9995379	0.9900000
2-Amino-4,6-dinitrotoluene	WLINR	0.68083251	509.207344	0.9997220	0.9900000
2,6-Dinitrotoluene	WLINR	0.21330710	346.345248	0.9998046	0.9900000
2,4-Dinitrotoluene	WLINR	0.20648316	637.398136	0.9997102	0.9900000
2-Nitrotoluene	WLINR	-0.6921534	268.700341	0.9995864	0.9900000
4-Nitrotoluene	WLINR	-0.5805733	189.496862	0.9998426	0.9900000
3-Nitrotoluene	WLINR	-8.0921949	246.992565	0.9997147	0.9900000
1,2-Dinitrobenzene	WLINR	0.29647117	314.970464	0.9999436	0.9900000

FORM 7
EXPLOSIVES CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Instrument ID: 1208_1 Calibration Date: 06/07/10 Time: 1706

Lab File ID: 07JUN100736-R1 Init. Calib. Date(s): 04/05/10 06/08/10

Init. Calib. Times: 1706 0649

GC Column: C-18 ID: 4.60 (mm)

COMPOUND	SAMPLE AMOUNT	CAL200 AMOUNT	CURVE	%D	MAX %d
HMX	190	200	WLINR	5.0	20.0
RDX	190	200	WLINR	5.0	20.0
1,3,5-Trinitrobenzene	190	200	WLINR	5.0	20.0
1,3-Dinitrobenzene	200	200	WLINR	0.0	20.0
Nitrobenzene	200	200	WLINR	0.0	20.0
Tetryl	190	200	WLINR	5.0	20.0
2,4,6-Trinitrotoluene	190	200	WLINR	5.0	20.0
4-Amino-2,6-dinitrotoluene	190	200	WLINR	5.0	20.0
2-Amino-4,6-dinitrotoluene	190	200	WLINR	5.0	20.0
2,6-Dinitrotoluene	200	200	WLINR	0.0	20.0
2,4-Dinitrotoluene	190	200	WLINR	5.0	20.0
2-Nitrotoluene	210	200	WLINR	5.0	20.0
4-Nitrotoluene	200	200	WLINR	0.0	20.0
3-Nitrotoluene	190	200	WLINR	5.0	20.0
1,2-Dinitrobenzene	200	200	WLINR	0.0	20.0

FORM 7
EXPLOSIVES CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Instrument ID: 1208_1 Calibration Date: 06/07/10 Time: 2358

Lab File ID: 07JUN100736-R2 Init. Calib. Date(s): 04/05/10 06/08/10

Init. Calib. Times: 1706 0649

GC Column: C-18 ID: 4.60 (mm)

COMPOUND	SAMPLE AMOUNT	CAL200 AMOUNT	CURVE	%D	MAX %d
HMX	190	200	WLINR	5.0	20.0
RDX	190	200	WLINR	5.0	20.0
1,3,5-Trinitrobenzene	190	200	WLINR	5.0	20.0
1,3-Dinitrobenzene	200	200	WLINR	0.0	20.0
Nitrobenzene	200	200	WLINR	0.0	20.0
Tetryl	190	200	WLINR	5.0	20.0
2,4,6-Trinitrotoluene	190	200	WLINR	5.0	20.0
4-Amino-2,6-dinitrotoluene	190	200	WLINR	5.0	20.0
2-Amino-4,6-dinitrotoluene	200	200	WLINR	0.0	20.0
2,6-Dinitrotoluene	200	200	WLINR	0.0	20.0
2,4-Dinitrotoluene	200	200	WLINR	0.0	20.0
2-Nitrotoluene	210	200	WLINR	5.0	20.0
4-Nitrotoluene	200	200	WLINR	0.0	20.0
3-Nitrotoluene	190	200	WLINR	5.0	20.0
1,2-Dinitrobenzene	200	200	WLINR	0.0	20.0

FORM 7
EXPLOSIVES CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Instrument ID: 1208_1 Calibration Date: 06/08/10 Time: 0649

Lab File ID: 07JUN100736-R3 Init. Calib. Date(s): 04/05/10 06/08/10

Init. Calib. Times: 1706 0649

GC Column: C-18 ID: 4.60 (mm)

COMPOUND	SAMPLE AMOUNT	CAL200 AMOUNT	CURVE	%D	MAX %d
HMX	190	200	WLINR	5.0	20.0
RDX	190	200	WLINR	5.0	20.0
1,3,5-Trinitrobenzene	190	200	WLINR	5.0	20.0
1,3-Dinitrobenzene	200	200	WLINR	0.0	20.0
Nitrobenzene	200	200	WLINR	0.0	20.0
Tetryl	190	200	WLINR	5.0	20.0
2,4,6-Trinitrotoluene	190	200	WLINR	5.0	20.0
4-Amino-2,6-dinitrotoluene	190	200	WLINR	5.0	20.0
2-Amino-4,6-dinitrotoluene	190	200	WLINR	5.0	20.0
2,6-Dinitrotoluene	190	200	WLINR	5.0	20.0
2,4-Dinitrotoluene	190	200	WLINR	5.0	20.0
2-Nitrotoluene	210	200	WLINR	5.0	20.0
4-Nitrotoluene	200	200	WLINR	0.0	20.0
3-Nitrotoluene	190	200	WLINR	5.0	20.0
1,2-Dinitrobenzene	200	200	WLINR	0.0	20.0

FORM 7
EXPLOSIVES CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Instrument ID: 1488_1 Calibration Date: 06/10/10 Time: 0443

Lab File ID: 09JUN101434-R2 Init. Calib. Date(s): 01/12/10 01/13/10

Init. Calib. Times: 1629 0102

GC Column: BIPHENYL ID: 4.60 (mm)

COMPOUND	SAMPLE AMOUNT	CAL200 AMOUNT	CURVE	%D	MAX %d
HMX	200	200	WLINR	0.0	20.0
RDX	200	200	WLINR	0.0	20.0
1,3,5-Trinitrobenzene	200	200	WLINR	0.0	20.0
1,3-Dinitrobenzene	200	200	WLINR	0.0	20.0
Nitrobenzene	190	200	WLINR	5.0	20.0
Tetryl	400	400	WLINR	0.0	20.0
2,4,6-Trinitrotoluene	200	200	WLINR	0.0	20.0
4-Amino-2,6-dinitrotoluene	190	200	WLINR	5.0	20.0
2-Amino-4,6-dinitrotoluene	210	200	WLINR	5.0	20.0
2,6-Dinitrotoluene	200	200	WLINR	0.0	20.0
2,4-Dinitrotoluene	400	400	WLINR	0.0	20.0
2-Nitrotoluene	190	200	WLINR	5.0	20.0
4-Nitrotoluene	370	400	WLINR	7.5	20.0
3-Nitrotoluene	370	400	WLINR	7.5	20.0
1,2-Dinitrobenzene	200	200	WLINR	0.0	20.0

FORM 7
EXPLOSIVES CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Instrument ID: 1488_1 Calibration Date: 06/10/10 Time: 1059

Lab File ID: 09JUN101434-R3 Init. Calib. Date(s): 01/12/10 01/13/10

Init. Calib. Times: 1629 0102

GC Column: BIPHENYL ID: 4.60 (mm)

COMPOUND	SAMPLE AMOUNT	CAL200 AMOUNT	CURVE	%D	MAX %d
HMX	200	200	WLINR	0.0	20.0
RDX	200	200	WLINR	0.0	20.0
1,3,5-Trinitrobenzene	200	200	WLINR	0.0	20.0
1,3-Dinitrobenzene	200	200	WLINR	0.0	20.0
Nitrobenzene	190	200	WLINR	5.0	20.0
Tetryl	400	400	WLINR	0.0	20.0
2,4,6-Trinitrotoluene	200	200	WLINR	0.0	20.0
4-Amino-2,6-dinitrotoluene	190	200	WLINR	5.0	20.0
2-Amino-4,6-dinitrotoluene	210	200	WLINR	5.0	20.0
2,6-Dinitrotoluene	200	200	WLINR	0.0	20.0
2,4-Dinitrotoluene	400	400	WLINR	0.0	20.0
2-Nitrotoluene	180	200	WLINR	10.0	20.0
4-Nitrotoluene	370	400	WLINR	7.5	20.0
3-Nitrotoluene	370	400	WLINR	7.5	20.0
1,2-Dinitrobenzene	200	200	WLINR	0.0	20.0

FORM 8
EXPLOSIVES ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

GC Column: BIPHENYL ID: 4.60 (mm) Init. Calib. Date(s): 01/12/10 01/13/10

Instrument ID: 1488_1

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

					MEAN SURROGATE RT FROM INITIAL CALIBRATION S1 : 11.41	
	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01	LC8CAL2	IC-15413	01/12/10	1629	11.41	
02	LC8NCAL3	IC-15412	01/12/10	1703	11.40	
03	LC8CAL4	IC-15411	01/12/10	1737	11.41	
04	LC8CAL5	IC-14055	01/12/10	1811	11.41	
05	LC8CAL6	IC-15410	01/12/10	1846	11.41	
06	LC8CAL7	IC-11163	01/12/10	1920	11.41	
07	LC8ICV	ICV-15462	01/12/10	2137	11.41	
08	CCV-27242	CCV-27242	06/10/10	0443	11.41	
09	MBLK060210A	MBLK060210A	06/10/10	0517	11.43	
10	A060210LCS	A060210LCS	06/10/10	0552	11.43	
11	DMW-018	831522	06/10/10	0626	11.43	
12	DMW-218	831523	06/10/10	0700	11.43	
13	SMW-018	831524	06/10/10	0734	11.43	
14	RIN-039	831527	06/10/10	0808	11.43	
15	CCV-27242	CCV-27242	06/10/10	1059	11.41	
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS

S1 = 1,2-Dinitrobenzene (+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
EXPLOSIVES ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

GC Column: C-18 ID: 4.60 (mm) Init. Calib. Date(s): 04/05/10 04/06/10

Instrument ID: 1208_1

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 16.44

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01	LC8CAL2	IC-22050	04/05/10	2243	16.44	
02	LC8CAL3	IC-21595	04/05/10	2320	16.44	
03	LC8CAL4	IC-15411	04/05/10	2358	16.45	
04	LC8CAL5	ICRTAV-21306	04/06/10	0035	16.44	
05	LC8CAL6	IC-15410	04/06/10	0113	16.44	
06	LC8CAL7	IC-11163	04/06/10	0150	16.44	
07	LC8ICV	ICV-15462	04/06/10	0420	16.44	
08	CCV-27242	CCV-27242	06/07/10	1706	16.47	
09	MBLK060210A	MBLK060210A	06/07/10	1744	16.48	
10	A060210LCS	A060210LCS	06/07/10	1821	16.46	
11	BMW-030	831517	06/07/10	1859	16.47	
12	AMW-030	831519	06/07/10	1936	16.47	
13	AMW-031	831520	06/07/10	2013	16.48	
14	BMW-031	831521	06/07/10	2051	16.47	
15	DMW-018	831522	06/07/10	2128	16.48	
16	DMW-218	831523	06/07/10	2206	16.48	
17	SMW-018	831524	06/07/10	2243	16.48	
18	AMW-039	831525	06/07/10	2320	16.47	
19	CCV-27242	CCV-27242	06/07/10	2358	16.47	
20	DMW-039	831526	06/08/10	0035	16.47	
21	RIN-039	831527	06/08/10	0112	16.47	
22	AMW-039MS	831525MS	06/08/10	0150	16.48	
23	AMW-039MSD	831525MD	06/08/10	0227	16.48	
24	CCV-27242	CCV-27242	06/08/10	0649	16.47	
25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS
S1 = 1,2-Dinitrobenzene (+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 10
EXPLOSIVES IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

A060210LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Lab Sample ID: A060210LCS Date(s) Analyzed: 06/07/10 06/10/10

Instrument ID (1): 1208_1 Instrument ID (2): 1488_1

GC Column(1): C-18 ID: 4.60(mm) GC Column(2): BIPHENYL ID: 4.60(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
HMX	1	10.70	10.61	10.81	4.0	
	2	5.44	5.32	5.52	4.1	2.5
RDX	1	14.38	14.28	14.48	4.0	
	2	6.54	6.39	6.59	4.2	4.9
1,3,5-Trinitrobenzene	1	16.16	16.06	16.26	4.0	
	2	18.42	18.31	18.51	4.1	2.5
1,3-Dinitrobenzene	1	17.39	17.29	17.49	4.2	
	2	13.87	13.74	13.94	4.3	2.4
Nitrobenzene	1	18.27	18.17	18.37	4.2	
	2	10.98	10.85	11.05	4.2	0.0
Tetryl	1	18.53	18.42	18.62	4.0	
	2	19.46	19.37	19.57	8.4	71
2,4,6-Trinitrotoluene	1	19.73	19.61	19.81	4.2	
	2	21.73	21.63	21.83	4.3	2.4
4-Amino-2,6-dinitrotoluen	1	20.20	20.08	20.28	4.2	
	2	11.90	11.78	11.98	4.2	0.0

EXPLOSIVES

FORM 10
EXPLOSIVES IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

A060210LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Lab Sample ID: A060210LCS Date(s) Analyzed: 06/07/10 06/10/10

Instrument ID (1): 1208_1 Instrument ID (2): 1488_1

GC Column(1): C-18 ID: 4.60(mm) GC Column(2): BIPHENYL ID: 4.60(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
2-Amino-4,6-dinitrotoluen	1	20.57	20.45	20.65	4.2	
	2	12.14	11.99	12.19	4.5	6.9
2,6-Dinitrotoluene	1	20.92	20.80	21.00	4.3	
	2	17.15	17.05	17.25	4.3	0.0
2,4-Dinitrotoluene	1	21.18	21.06	21.26	4.3	
	2	19.46	19.36	19.56	8.4	65
2-Nitrotoluene	1	22.69	22.57	22.77	4.3	
	2	15.16	15.04	15.24	4.0	7.2
4-Nitrotoluene	1	23.44	23.32	23.52	4.3	
	2	16.44	16.32	16.52	7.8	58
3-Nitrotoluene	1	24.16	24.05	24.25	4.1	
	2	16.44	16.32	16.52	7.8	62
	1					
	2					
	1					
	2					

FORM 10
EXPLOSIVES IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

ASWASS SAMPLE NO.

AMW-039MS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Lab Sample ID: 831525MS Date(s) Analyzed: 06/08/10 _____

Instrument ID (1): 1208_1 Instrument ID (2): _____

GC Column(1): C-18 ID: 4.60(mm) GC Column(2): _____ ID: _____(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
HMX	1	10.71	10.61	10.81	3.6	
	2					
RDX	1	14.39	14.28	14.48	3.7	
	2					
1,3,5-Trinitrobenzene	1	16.17	16.06	16.26	3.6	
	2					
1,3-Dinitrobenzene	1	17.40	17.29	17.49	3.7	
	2					
Nitrobenzene	1	18.28	18.17	18.37	3.8	
	2					
Tetryl	1	18.55	18.42	18.62	3.6	
	2					
2,4,6-Trinitrotoluene	1	19.75	19.61	19.81	3.7	
	2					
4-Amino-2,6-dinitrotoluen	1	20.21	20.08	20.28	3.7	
	2					

EXPLOSIVES

FORM 10
EXPLOSIVES IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

ASWASS SAMPLE NO.

AMW-039MS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Lab Sample ID: 831525MS Date(s) Analyzed: 06/08/10 _____

Instrument ID (1): 1208_1 Instrument ID (2): _____

GC Column(1): C-18 ID: 4.60(mm) GC Column(2): _____ ID: _____(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
2-Amino-4,6-dinitrotoluen	1	20.57	20.45	20.65	3.7	
	2					
2,6-Dinitrotoluene	1	20.93	20.80	21.00	3.8	
	2					
2,4-Dinitrotoluene	1	21.20	21.06	21.26	3.8	
	2					
2-Nitrotoluene	1	22.71	22.57	22.77	3.8	
	2					
4-Nitrotoluene	1	23.44	23.32	23.52	3.8	
	2					
3-Nitrotoluene	1	24.17	24.05	24.25	3.7	
	2					
	1					
	2					
	1					
	2					

EXPLOSIVES

FORM 10
EXPLOSIVES IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

ASWASS SAMPLE NO.

AMW-039MSD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Lab Sample ID: 831525MD Date(s) Analyzed: 06/08/10 _____

Instrument ID (1): 1208_1 Instrument ID (2): _____

GC Column(1): C-18 ID: 4.60(mm) GC Column(2): _____ ID: _____(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
HMX	1	10.71	10.61	10.81	3.5	
	2					
RDX	1	14.39	14.28	14.48	3.7	
	2					
1,3,5-Trinitrobenzene	1	16.18	16.06	16.26	3.6	
	2					
1,3-Dinitrobenzene	1	17.41	17.29	17.49	3.7	
	2					
Nitrobenzene	1	18.29	18.17	18.37	3.7	
	2					
Tetryl	1	18.56	18.42	18.62	3.5	
	2					
2,4,6-Trinitrotoluene	1	19.75	19.61	19.81	3.6	
	2					
4-Amino-2,6-dinitrotoluen	1	20.22	20.08	20.28	3.6	
	2					

EXPLOSIVES

FORM 10
EXPLOSIVES IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

ASWASS SAMPLE NO.

AMW-039MSD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Lab Sample ID: 831525MD Date(s) Analyzed: 06/08/10

Instrument ID (1): 1208_1 Instrument ID (2): _____

GC Column(1): C-18 ID: 4.60(mm) GC Column(2): _____ ID: _____(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
2-Amino-4,6-dinitrotoluen	1	20.59	20.45	20.65	3.6	
	2					
2,6-Dinitrotoluene	1	20.94	20.80	21.00	3.7	
	2					
2,4-Dinitrotoluene	1	21.21	21.06	21.26	3.7	
	2					
2-Nitrotoluene	1	22.71	22.57	22.77	3.7	
	2					
4-Nitrotoluene	1	23.45	23.32	23.52	3.7	
	2					
3-Nitrotoluene	1	24.18	24.05	24.25	3.6	
	2					
	1					
	2					
	1					
	2					

EXPLOSIVES

FORM 10
EXPLOSIVES IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

ASWASS SAMPLE NO.

RIN-039

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: MUDMEAD SAS No.: SDG No.: 137519

Lab Sample ID: 831527 Date(s) Analyzed: 06/08/10 06/10/10

Instrument ID (1): 1208_1 Instrument ID (2): 1488_1

GC Column(1): C-18 ID: 4.60(mm) GC Column(2): BIPHENYL ID: 4.60(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
1,3-Dinitrobenzene	1	17.49	17.29	17.49	0.18	
	2	13.79	13.74	13.94	0.092	65
2,6-Dinitrotoluene	1	20.82	20.80	21.00	0.23	
	2	17.24	17.05	17.25	0.068	110
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					