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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

I09-037

Lot #: F9F020236
SDG #: SL799

Mike Neely

CH2M Hill Plateau Remediation
PO Box 1500, MS B6-06
Richland, WA 99352

TESTAMERICA LABORATORIES, INC.

Michael C. Franks
Project Manager

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July 21, 2009

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THE LEADER IN ENVIRONMENTAL TESTING

CASE NARRATIVE

CH2MHill Plateau Remediation Company
P.O. Box 1600
MS B3-60
Richland, Washington 99352
July 20, 2009
Attention: Mike Neely

TestAmerica Laboratories, Inc.

SDG	: SL799
Number of Samples	: 30 samples
Sample Matrix	: Water
Data Deliverable	: Summary
Date SDG Closed	: June 16, 2009

II. Introduction

Between June 2, 2009 and June 16, 2009, thirty water samples were received by TestAmerica - St. Louis for chemical analysis. The samples were received within temperature criteria. See the COC and CUR forms for documentation of any variations on receipt conditions and temperature. Upon receipt, the samples were given laboratory Ids to correspond with specific client Ids. Please refer to the Sample Summary sheets attached to this case narrative. This report is incomplete without the narrative.

The sample time was missing on sample B20CV3 on COC I09-035-312. The sample time on the sample container is 09:35. Issue Resolution Form 09-059 (included with this report) accepted the proposed resolution to use the sample time as shown on the sample container.

The following SAFs are associated with this SDG: I09-037, W09-005, S09-005, I09-039, W09-003, I09-035, I09-038, I09-040, and I09-044.

III. Analytical Results/ Methodology

The analytical results for this report are presented by analytical test. Each set of data includes sample identification information, analytical results and the appropriate detection limits. All results are based upon samples as they were received, i.e. wet weight, unless otherwise noted on the data sheets. See the attached Methods Summary Form for the methods used in this SDG.

MS/MSD/Dup analysis was done per the client requirements. Analytical batches that did not contain matrix QC were analyzed with a LCS/LCS duplicate.

Deviation from Request: None

IV. Definitions

QCBLK-	Quality Control Blank, Method Blank
QCLCS-	Quality Control Laboratory Control Sample, Blank Spike
DUP-	Laboratory Duplicate
MS-	Matrix Spike
MSD-	Matrix Spike Duplicate

The term "Detection Limit" used in the analytical data report refers to either the lab's standard reporting limits or contractually required reporting limits, whichever is applicable.

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The following data qualifiers may be applicable to the results in this report, as appropriate.

- **B** – For inorganic analyses, the sample result is greater than the MDL but less than the RL.
- **B** – For organic analyses, Method Blank contamination. The Method Blank contains the target analyte at a concentration above the MDL.
- **J** – For organic analyses, the sample is estimated and less than the RL.
- **C** – For inorganic analyses, Method Blank contamination. The Method Blank contains the target analyte at a concentration above the MDL.
- **D** – For all analyses, the sample result was obtained from the analysis of a dilution.
- **N** – For inorganics and GC analyses, the spike/spike duplicate recoveries are outside QC limits.
- **T** – For GCMS analyses, the spike/spike duplicate recoveries are outside QC limits.

Volatiles

Batch: 9160258

The D% CCV is (higher recovered) outside the Method criteria (greater than 20% D) for the following compounds: Vinyl chloride (22.2%), Bromomethane (66.2%), Iodomethane (77.6%), Propionitrile (23.7%), Trichloroethene (33.3%), Bromoform (44.3%), and trans-1,4-dichloro-2-butene (102%), indicating a potential high bias for these analytes in the samples associated with this CCV. These analytes are not detected above the reporting limits in the associated samples.
Affected Samples:
F9F050186 (1): B20951
F9F050201 (1): B20F54
F9F050201 (2): B20F55

The LCS/LCSD recoveries for Bromomethane, Bromoform, trans-1,4-Dichloro-2-butene, and Iodomethane are outside the upper QC limits, indicating a potential positive bias for that analytes. The analyte were not observed above the reporting limits in the associated samples.
Affected Samples:
F9F050186 (1): B20951
F9F050201 (1): B20F54
F9F050201 (2): B20F55

The MS and/or MSD recoveries for Chloromethane, trans-1,3-Dichloropropane, Chlorobenzene, Bromoform, 1,2-Dibromo-3-chloropropane, trans-1,4-Dichloro-2-butene, 1,1,1,2-Tetrachloroethane, Iodomethane, Tetrachloroethene, Tetrahydrofuran, and Toluene are outside the established QC limits; The RPD for Bromomethane and Iodomethane is not within method acceptance criteria indicating a possible matrix interference. Method performance is demonstrated by acceptable LCS/LCSD recoveries.
Affected Samples:
F9F050186 (1): B20951
F9F050201 (1): B20F54
F9F050201 (2): B20F55

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Sample and MS/MSD surrogate recovery for Dibromofluoromethane (DBFM) is outside established QC limits. This excursion is attributed to a matrix interference which is physically evident in the sample. The sample has high levels of Carbon Tetrachloride which co-elutes with the DBFM and as a result the surrogate recovery is below the acceptable QC limit. The sample was diluted for Carbon Tetrachloride and the DBFM recovery is within acceptable limits.
Affected Samples:
F9F050201 (1): B20F54
F9F050201 (2): B20F55

Batch: 9161533

The LCSD recovery for Carbon tetrachloride is outside of the QC limit in the LC; however, the recovery is within the Marginal exceedance limit.
Affected Samples:
F9F050201 (1): B20F54
F9F050201 (2): B20F55

There was insufficient sample volume to perform MS/MSD analysis. A LCS/LCSD was performed to demonstrate accuracy and replicate precision.
Affected Samples:
F9F050201 (1): B20F54
F9F050201 (2): B20F55

The samples were analyzed at dilution due to high concentrations of target analytes. The reporting limits have been adjusted only for those targets reported from the dilution run.
Affected Samples:
F9F050201 (1): B20F54
F9F050201 (2): B20F55

Batch: 9166250

The D% CCV is (higher recovered) outside the Method criteria (greater than 20% D) for the following compounds: Chloromethane (29.3%) and Iodomethane (20.5%), indicating a potential high bias for these analytes in the samples associated with this CCV. These analytes are not detected above the reporting limits in the associated samples.
Affected Samples:
F9F100245 (1): B20DW8
F9F100245 (2): B20DY7
F9F100245 (3): B20DX4

The MS/MSD RPD for 1,4-Dioxane is outside of the QC limits. The MS/MSD recoveries for this analytes are acceptable.
Affected Samples:

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THE LEADER IN ENVIRONMENTAL TESTING

CH2M Hill Plateau Remediation Company

July 20, 2009
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F9F100245 (1): B20DW8
F9F100245 (2): B20DY7
F9F100245 (3): B20DX4

Batch: 9169523

The D% CCV is (higher recovered) outside the Method criteria (greater than 20% D) for the following compounds: Bromomethane (41.5%), Iodomethane (26.6%), 1,1,1-Trichloroethane (20.7%), Methcrylonitrile (20.7%), and 1,4-Dioxane (31.1%), indicating a potential high bias for these analytes in the samples associated with this CCV. These analytes are not detected above the reporting limits in the associated samples.
Affected Samples:

F9F100245 (1): B20DW8	F9F100249 (2): B20952
F9F100245 (2): B20DY7	F9F120295 (1): B20DY3
F9F100249 (1): B20950	F9F120295 (2): B20F01

For a large number of analytes in the LCSD, it becomes statistically likely that a few will be outside the laboratory QC limits. Upper and lower marginal exceedance (ME) limits have been established to determine when corrective action is necessary. The number of allowable marginal exceedances is based on the number of analytes in the LCSD.
LCSD recoveries for Ethylbenzene, 1,1,12-Tetrachloroethane, cis-1,2-Dichloroethene, Benzene, and Tetrachloroethen are outside laboratory QC limits and qualified accordingly. Recoveries are within marginal exceedance limits, and within the number of analytes allowed. These analytes are qualified with a "T" flag.
The LCS/LCSD RPD for Acetonitrile and 1-Butanol are outside of the QC limits. Their recoveries are acceptable in the LCS/LCSD.
Affected Samples:

F9F100245 (1): B20DW8	F9F100249 (2): B20952
F9F100245 (2): B20DY7	F9F120295 (1): B20DY3
F9F100249 (1): B20950	F9F120295 (2): B20F01

The MS/MSD RPD for 1-Butanol is outside of the QC limits. The MS/MSD recoveries for this analytes are acceptable.
Affected Samples:

F9F100245 (1): B20DW8	F9F100249 (2): B20952
F9F100245 (2): B20DY7	F9F120295 (1): B20DY3
F9F100249 (1): B20950	F9F120295 (2): B20F01

The samples were analyzed at dilution due to high concentrations of target analytes. The reporting limits have been adjusted only for those targets reported from the dilution run.
Affected Samples:
F9F100245 (1): B20DW8
F9F100245 (2): B20DY7

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July 20, 2009
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Batch: 9173097

The D% CCV is (higher recovered) outside the Method criteria (greater than 20% D) for Acetone (26.2%), indicating a potential high bias for this analyte in the samples associated with this CCV. This analyte was not detected above the reporting limits in the associated samples.
Affected Samples:
F9F120298 (1): B20953
F9F120298 (2): B20954

Semivolatiles

Batch: 9154371

The LCS recovery for Benzo (a) pyrene is outside the upper QC limit, indicating a potential positive bias for that analyte. This analyte was not observed above the reporting limit in the associated samples; therefore the sample data was not adversely affected by this excursion.
Affected Samples:
F9F020236 (1): B20DY0

GC Phenols

Batch: 9154280

The closing CCV recovery for OCAL347 was outside the upper QC limit (greater than 15% RSD) for Dinoseb indicating a potential high bias for this analyte in the samples associated with this CCV. This analyte was not detected above the reporting limit in the associated samples.
The closing CCV surrogate recovery for OCAL 347 was outside the upper QC limits (greater that 15%D) for 2,4,6-Tribromphenol indicating a potential high bias for the surrogate in the associated samples. The sample surrogate recoveries were within acceptable QC limits. Results are provided with this narrative.
Affected Samples:
F9F020239 (1): B20J18
F9F020239 (2): B20J07
F9F020239 (3): B20HY0
F9F020239 (4): B20HX9

For a large number of analytes in the LCS, it becomes statistically likely that a few will be outside the laboratory QC limits. Upper and lower marginal exceedance (ME) limits have been established to determine when corrective action is necessary. The number of allowable marginal exceedances is based on the number of analytes in the LCS.
LCS recovery for Phenol is outside laboratory QC limits and qualified accordingly. Recoveries are within marginal exceedance limits, and within the number of analytes allowed.
Affected Samples:
F9F020239 (1): B20J18
F9F020239 (2): B20J07
F9F020239 (3): B20HY0
F9F020239 (4): B20HX9

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July 20, 2009
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The MS/MSD surrogate(s) recoveries are outside acceptance limits. MS/MSD spike recoveries are within QC limits demonstrating acceptable sample extraction and instrument performance. There is an apparent anomaly in the surrogate addition, isolated to the MS/MSD and not indicative of the batch.
Affected Samples:
F9F020239 (1): B20J18
F9F020239 (2): B20J07
F9F020239 (3): B20HY0
F9F020239 (4): B20HX9

ICP Metals

Batch: 9169210

The MSD recovery for Potassium is outside the established QC limits. The said analyte concentration in the original sample is greater than four times the amount spiked, making percent recovery information ineffective. Method performance is demonstrated by acceptable LCS recovery. The analyte is qualified with an "N" flag in the MSD and associated samples.
Affected Samples:
F9F160241 (1): B20M91
F9F160241 (2): B20M92

The sample was analyzed at a dilution for Potassium due to high concentrations of target analytes. The reporting limit has been adjusted only for those targets reported from the dilution run. The analytes are qualified with a "D" flag in the associated samples.
Affected Samples:
F9F160241 (1): B20M91
F9F160241 (2): B20M92

Calcium was detected above the Method Detection Limit but below the Reporting Limit in the Method Blank. The sample results for this analyte are greater than 10 times the Method Blank concentration. This analyte is qualified with a "C" flag in the associated sample.
Affected Samples:
F9F160241 (1): B20M91
F9F160241 (2): B20M92

Ion Chromatography

Batches: 9155133, 9155132, 9155130

The associated samples were analyzed at a dilution for Chloride, Nitrate, and Sulfate due to high concentrations of target analytes. The reporting limit has been adjusted only for those targets reported from the dilution run. The analytes are qualified with a "D" flag.
Affected Samples:
F9F030294 (1): B20VC3
F9F030294 (2): B20VF5
F9F030294 (3): B20VD3
F9F030294 (4): B20VF3

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Samples B20VF5 and B20VF3 were run just outside of 48 hr hold time for Nitrate in batch 9153415, as more dilutions were required to cover the high Nitrate results. The original, undiluted Nitrate results were run within hold.
Affected Samples:
F9F030294 (2): B20VF5
F9F030294 (4): B20VF3

Batches: 9156418, 9156422, 9156420

The associated samples were analyzed at a dilution for Chloride, Nitrate, and Sulfate due to high concentrations of target analytes. The reporting limit has been adjusted only for those targets reported from the dilution run. The analytes are qualified with a "D" flag.
Affected Samples:
F9F050190 (1): B20CV3
F9F050195 (1): B20FL8
F9F050195 (2): B20FP5

Batches: 9168162, 9168167, 9168163

The associated samples were analyzed at a dilution for Chloride, Nitrate, and Sulfate due to high concentrations of target analytes. The reporting limit has been adjusted only for those targets reported from the dilution run. The analytes are qualified with a "D" flag.
Affected Samples:
F9F160241 (2): B20M92
F9F160242 (1): B20NM6

Ammonia

Batches: 9163336

The Matrix Spike recovery is outside the established QC limits. A matrix interference is evident in the sample. Method performance is demonstrated by acceptable LCS/LCSD recoveries.
Affected Samples:
F9F020236 (1): B20DY0

Batches: 9168181

The Matrix Spike recovery is outside the established QC limits. A matrix interference is evident in the sample. Method performance is demonstrated by acceptable LCS/LCSD recoveries.
Affected Samples:
F9F160241 (2): B20M92

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July 20, 2009
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Cyanide

Batch: 9159476

The low level and high level Matrix Spike recoveries are outside the established QC limits. A matrix interference is evident in the sample. The samples were analyzed on 6/09/09 which had an unusually high matrix spike recovery. Samples were reanalyzed yielding similar results. The samples were re-prepped (within hold) and reanalyzed. Sample results for the reanalysis were higher and the matrix spike recovery was again unusually high. Samples were reanalyzed yielding similar results. Samples were then prepped a third time and the analysis confirmed hits in the samples. The results of the second prep/analysis are reported.
Affected Samples:
F9F030294 (4): B20VF3

There were no observations or nonconformances for the following methods:

Total Alkalinity
Total Phenolics
Sulfide

I certify that this Summary Package is in compliance with the SOW, both technically and for completeness, for other than the conditions detailed above. The Laboratory Manager or a designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Reviewed and approved:

Michael Franks
St. Louis Project Manager

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ISSUE RESOLUTION FORM

CHPRC TRACKING NUMBER: 09-059

Date : 06/06/09 SAF No. **I09-035**

SDG: **SL799** LOGIN No.: **F9F050190** TEST: 300.0_ANIONS_IC

Sample No.(s) **B20CV3**

Submitted By: Mike Franks
Phone No. 314-298-8566
Fax No. 314-298-8757

Submitted To: Heidi Hampt
Phone No. 509-376-4319
Fax No. 509-373-1788

ISSUE	PROPOSED RESOLUTION
Sample B20CV3 on COC I09-035-312 has a missing sample time. The time listed on the sample container is 09:35.	Use 09:35 as the sample time per the container.

CHPRC/BHI/WMH/PNNL COMMENTS

Accept proposed resolution.

Heidi Hampt 6/10/09
Signature and Date

METHODS SUMMARY

SL799

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Alkalinity	MCAWW 310.1	MCAWW 310.1
Chloride	MCAWW 300.0A	MCAWW 300.0A
Fluoride	MCAWW 300.0A	MCAWW 300.0A
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	
Nitrate as NO3	MCAWW 300.0A	
Nitrite as N	MCAWW 300.0A	MCAWW 300.0A
Nitrogen, Ammonia	MCAWW 350.1	MCAWW 350.1
Phenolics	MCAWW 420.2	MCAWW 420.2
Phenols by GC	SW846 8040A	SW846 3520
Semivolatile Organic Compounds by GC/MS	SW846 8270C	SW846 3510C
Sulfate	MCAWW 300.0A	MCAWW 300.0A
Sulfide	SW846 9030	
Total Cyanide	SW846 9012	SW846 9012
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

SL799 : F9F020236

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LD6VF	001	B20DY0	05/28/09	12:12

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

(Continued on next page)

SAMPLE SUMMARY

SL799 : F9F020239

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LD6WH	001	B20J18	05/28/09	12:12
LD6WL	002	B20J07	05/28/09	10:11
LD6WQ	003	B20HY0	05/28/09	07:30
LD6WR	004	B20HX9	05/28/09	09:11

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(Continued on next page)

SAMPLE SUMMARY

SL799 : F9F030294

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LD9E6	001	B20VC3	06/02/09	11:51
LD9E7	002	B20VF5	06/02/09	08:35
LD9E9	003	B20VD3	06/02/09	10:40
LD9FA	004	B20VF3	06/02/09	11:11

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(Continued on next page)

SAMPLE SUMMARY

SL799 : F9F030297

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LD9FN	001	B20J48	06/02/09	11:51
LD9FT	002	B20VP8	06/02/09	10:40
LD9FX	003	B20VP5	06/02/09	08:35

NOTE(S):

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(Continued on next page)

SAMPLE SUMMARY

SL799 : F9F050186

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LEECW	001	B20951	06/02/09	11:33

NOTE(S):

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(Continued on next page)

SAMPLE SUMMARY

SL799 : F9F050190

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LEEEC	001	B20CV3	06/04/09	09:35

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(Continued on next page)

SAMPLE SUMMARY

SL799 : F9F050195

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LEEEV	001	B20FL8	06/04/09	10:31
LEEEW	002	B20FP5	06/04/09	11:27

NOTE(S):

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(Continued on next page)

SAMPLE SUMMARY

SL799 : F9F050201

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LEEGJ	001	B20F54	06/02/09	11:33
LEEGL	002	B20F55	06/02/09	11:33

NOTE(S):

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(Continued on next page)

SAMPLE SUMMARY

SL799 : F9F100245

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LEM3D	001	B20DW8	06/05/09	08:07
LEM3F	002	B20DY7	06/08/09	10:12
LEM3H	003	B20DX4	06/08/09	10:04

NOTE(S):

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(Continued on next page)

SAMPLE SUMMARY

SL799 : F9F100249

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LEM3M	001	B20950	06/05/09	08:07
LEM3P	002	B20952	06/08/09	10:04

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

(Continued on next page)

SAMPLE SUMMARY

SL799 : F9F120295

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LEVA0	001	B20DY3	06/09/09	12:44
LEVA3	002	B20F01	06/09/09	10:52

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

(Continued on next page)

SAMPLE SUMMARY

SL799 : F9F120298

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LEVA7	001	B20953	06/09/09	10:52
LEVA9	002	B20954	06/10/09	10:43

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

(Continued on next page)

SAMPLE SUMMARY

SL799 : F9F160241

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LE2CA	001	B20M91	06/15/09	09:07
LE2CF	002	B20M92	06/15/09	09:07

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

(Continued on next page)

SAMPLE SUMMARY

SL799 : F9F160242

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LE2CV	001	B20NM6	06/15/09	12:18

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

SDG# 51799

CHPRC CVR 226 51799

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I09-037-19

Page 1 of 1

Collector: DJ Woehle CHPRC	Contact/Requester: Dana Widrig	Telephone No.: 509-376-2858 MSIN FAX
SAF No.: I09-037	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 2UP1 MAY 2009	HNF-N-506-24116	Ice Chest No.: TASL-1 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7976 4096 0561
Protocol: SURV	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS Hold Time
200 Area Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B20DY0		W	5-28-09	1212	1x20-mL P	Activity Scan	6 Months	None
B20DY0		W			3x1000-mL aG	8270_SVOA_GCMS: 1,4 Dioxane (1)	7/40 Days	Cool~4C
B20DY0		W			1x500-mL G/P	350.1_AMMONIA: Ammonia (1)	28 Days	H2SO4 to pH <2 Cool~4C
B20DY0		W			3x500-mL G/P	9030_SULFIDE: Sulfide (1)	7 Days	ZnAc+NaOH to pH >9 Cool~4C
B20DY0		W	5-28-09	1212	1x500-mL aG	420.2_PHENOL: Phenol total(1)	28 Days	H2SO4 to pH <2 Cool~4C

DJW 5-28-09

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
DJ Woehle CHPRC	DJ Woehle		MAY 28 2009 1345	SSU-1			MAY 28 2009 1345
SSU-1		6-1-09	10:00	RD Ellingsworth CHPRC		6-1-09	10:00
RD Ellingsworth CHPRC		6-1-09	1400	Fed EX		6-1-09	1400
FedEx				Brian Daniels		6/2/09	0915

Matrix *

S = Soil	DS = Drum Solid		
SE = Sediment	DL = Drum Liqui		
SO = Solid	T = Tissue		
SL = Sludge	WI = Wine		
W = Water	L = Liquid		
O = Oil	V = Vegetation		
A = Air	X = Other		

FINAL SAMPLE DISPOSITION: Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

TestAmerica St. Louis

Detailed Results

Enter tracking number

Detailed Results | Notifications

Tracking no.: 797640960561

E-n

Delivered

Initiated → Picked up → In transit → Delivered

Delivered
Signed for by: B.DANIELS

Shipment Dates	Destination
Ship date Jun 1, 2009	EARTH CITY, MO
Delivery date Jun 2, 2009 9:12 AM	Signature Proof of Delivery

Shipment Facts

Service type	Priority Overnight	Delivered to	Shipping/Receiving
Weight	45.0 lbs/20.4 kg	Reference	TAS-L-1

Shipment Travel History

Select time zone: Select

Select time form

All shipment travel activity is displayed in local time for the location

Date/Time	Activity	Location	Details
Jun 2, 2009 9:12 AM	**Delivered**	EARTH CITY, MO	
Jun 2, 2009 6:11 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
Jun 2, 2009 6:03 AM	At local FedEx facility	EARTH CITY, MO	
Jun 2, 2009 4:42 AM	At dest sort facility	BERKELEY, MO	
Jun 2, 2009 4:08 AM	Departed FedEx location	MEMPHIS, TN	
Jun 1, 2009 5:19 PM	Left FedEx origin facility	PASCO, WA	
Jun 1, 2009 4:08 PM	Picked up	PASCO, WA	
Jun 1, 2009 1:36 PM	Shipment information sent to FedEx		

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): F9F020236
237
239

CONDITION UPON RECEIPT FORM

Client: CHPH

Quote No: 83128, 83126, 83127

COC/RFA No: see below

226

Initiated By: 60 Date: 6/2/09 Time: 0915

Shipping Information

Shipper: FedEx UPS DHL Courier Client Other: _____ Multiple Packages: Y N

Shipping # (s):*		Sample Temperature (s):**	
1. 7966 5457 4979	6.	1. 2	6.
2. 7976 4096 0561	7.	2. 2	7.
3. 4097 3594	8.	3. 2	8.
4.	9.	4.	9.
5.	10.	5.	10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	Y N	Are there custody seals present on the cooler?	8.	Y N	Are there custody seals present on bottles?
2.	Y N N/A	Do custody seals on cooler appear to be tampered with?	9.	Y N N/A	Do custody seals on bottles appear to be tampered with?
3.	Y N	Were contents of cooler frisked after opening, but before unpacking?	10.	Y N N/A	Was sample received with proper pH[1]? (If not, make note below)
4.	Y N	Sample received with Chain of Custody?	11.	Y N	Sample received in proper containers?
5.	Y N N/A	Does the Chain of Custody match sample ID's on the container(s)?	12.	Y N N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)
6.	Y N	Was sample received broken?	13.	Y N N/A	Was Internal COC/Workshare received?
7.	Y N	Is sample volume sufficient for analysis?	14.	Y N N/A	Was pH taken by original TestAmerica lab?

[1] For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes: I09-037-19
W09-005-141, 135, 130, 129
X09-033-4, 8, 14, 26

Corrective Action:
- ☐ Client Contact Name: _____ Informed by: _____
- ☐ Sample(s) processed "as is"
- ☐ Sample(s) on hold until: _____ If released, notify: _____

Project Management Review: [signature] Date: 06-04-09

SDG# SL799

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

SDG# SL799

CHPRC LOR 226 SL799

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W09-005-141

Page 1 of 1

Collector: DJ Woehle CHPRC	Contact/Requester: Dana Widrig	Telephone No.: 509-376-2858 MSIN FAX
SAF No.: W09-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA MAY 2009	HNF-N-506-24 / 16	Ice Chest No. SML 313 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 7976 4097 3594
Protocol: RCRA	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS Hold Time
Site-Wide Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B20J18		W	5-28-09	1212	3x1000-mL aG	8040_PHENOLIC_GC: List-1 (17)	7/40 Days	Residual Chlorine 0.0008% Na2S2O3 Cool~4C
B20J18		W	5-28-09	1212	1x20-mL P	Activity Scan	6 Months	None

DRW 5-28-09

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
DJ Woehle CHPRC	DJ Woehle		MAY 28 2009 1345	SSU-1			MAY 28 2009 1345 SSU-1
SSU-1		6-1-09	10:00	RD Ellingsworth CHPRC		6-1-09	10:00
RD Ellingsworth CHPRC		6-1-09	1400	Fed EX		6-1-09	1400
Fedex				Brian Daniels		6/2/09	0915

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION: Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

TestAmerica St. Louis

SDG# SL799

CHPRC

SL799

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W09-005-135

Collector: DJ Woehle CHPRC	Contact/Requester: Dana Widrig	Telephone No.: 509-376-2858 MSIN FAX
SAF No.: W09-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, MAY 2009	HNF-N-506- 24 / 16	Ice Chest No.: SML 313 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7976 4097 3594
Protocol: RCRA	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS Hold Time
Site-Wide Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B20J07		W	5-28-09	1011	3x1000-mL aG	8040_PHENOLIC_GC: List-1 (17)	7/40 Days	Residual Chlorine 0.0008% Na2S2O3 Cool~4C
B20J07		W	5-28-09	1011	1x20-mL P	Activity Scan	6 Months	None

DJW 5-28-09

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
DJ Woehle CHPRC	DJ Woehle	MAY 28 2009 1345	SSU-1		MAY 28 2009 1345
SSU-1	6-1-09	10:00	RD Ellingsworth CHPRC	6-1-09	10:00
RD Ellingsworth CHPRC	RDE 6-1-09	1400	Fed EX	6-1-09	1400
FedEx			Brian Daniels	6/2/09	0915

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION: Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

TestAmerica St. Louis

SDG# SL799

CHPRC SL799

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W09-005-130

Collector: DJ Woehle, CHPRC	Contact/Requester: Dana Widrig	Telephone No.: 509-376-2858 MSIN FAX
SAF No.: W09-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, MAY 2009	HNF-N-506-24/16	Ice Chest No.: SML 313 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7976 4097 3594
Protocol: RCRA	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS Hold Time
Site-Wide Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B20HY0		W	5-28-09	0730	3x1000-mL aG	8040_PHENOLIC_GC: List-1 (17)	7/40 Days	Residual Chlorine 0.0008% Na2S2O3 Cool~4C
B20HY0		W	5-28-09	0730	1x20-mL P	Activity Scan	6 Months	None

DRW 5-28-09

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
DJ Woehle CHPRC			MAY 28 2009 1345	SSU-1			MAY 28 2009 1345
SSU-1		6-1-09	10:00	RD Ellingsworth CHPRC		6-1-09	10:00
RD Ellingsworth CHPRC		6-1-09	1400	Fed EX		6-1-09	1400
Fed Ex				Brian Daniels		6-2	6/2/09 0915

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time

TestAmerica St. Louis

SDG# SL799

CHPRC SL799

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W09-005-129

Page 1 of 1

Collector: DJ Woehle, CHPRC	Contact/Requester: Dana Widrig	Telephone No.: 509-376-2858 MSIN FAX
SAF No.: W09-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA MAY 2009	HNF N 506 24/16	Ice Chest No. SML 313 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 7976 4097 3594
Protocol: RCRA	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS Hold Time
Site-Wide Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B20HX9		W	5-28-09	0911	3x1000-mL aG	8040_PHENOLIC_GC: List-1 (17)	7/40 Days	Residual Chlorine 0.0008% Na2S2O3 Cool~4C
B20HX9		W	5-28-09	0911	1x20-mL P	Activity Scan	6 Months	None

DJW 5-28-09

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
DJ Woehle CHPRC			MAY 28 2009 1345	SSU-1			MAY 28 2009 1345
SSU-1		6-1-09	10:00	RD Ellingsworth CHPRC		6-1-09	10:00
RD Ellingsworth CHPRC		6-1-09	1400	Fed EX		6-1-09	1400
Fed Ex				Brian Daniels		6-2	6/2/09 0915

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION: Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

TestAmerica St. Louis

Detailed Results

Enter tracking number

Detailed Results | Notifications

Tracking no.: 797640973594

E-n

Delivered

Initiated Picked up In transit Delivered

Delivered
Signed for by: B.DANIELS

Shipment Dates	Destination
Ship date Jun 1, 2009	EARTH CITY, MO
Delivery date Jun 2, 2009 9:12 AM	Signature Proof of Delivery

Shipment Facts

Service type	Priority Overnight	Delivered to	Shipping/Receiving
Weight	88.0 lbs/39.9 kg	Reference	SML-313

Shipment Travel History

Select time zone: Select

Select time form

All shipment travel activity is displayed in local time for the location

Date/Time	Activity	Location	Details
Jun 2, 2009 9:12 AM	**Delivered**	EARTH CITY, MO	
Jun 2, 2009 6:16 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
Jun 2, 2009 6:08 AM	At local FedEx facility	EARTH CITY, MO	
Jun 2, 2009 4:42 AM	At dest sort facility	BERKELEY, MO	
Jun 2, 2009 4:08 AM	Departed FedEx location	MEMPHIS, TN	
Jun 2, 2009 12:54 AM	Arrived at FedEx location	MEMPHIS, TN	
Jun 1, 2009 5:19 PM	Left FedEx origin facility	PASCO, WA	
Jun 1, 2009 4:08 PM	Picked up	PASCO, WA	
Jun 1, 2009 1:38 PM	Shipment information sent to FedEx		

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): F9F020236
237
239

CONDITION UPON RECEIPT FORM

Client: CHPM

Quote No: 83128, 83126, 83127

COC/RFA No: see below

226

Initiated By: 60 Date: 6/2/09 Time: 0915

Shipping Information

Shipper: FedEx UPS DHL Courier Client Other: _____ Multiple Packages: Y N

Shipping # (s):*		Sample Temperature (s):**	
1. 7966 5457 4979	6.	1. 2	6.
2. 7976 4096 0561	7.	2. 2	7.
3. 4097 3594	8.	3. 2	8.
4.	9.	4.	9.
5.	10.	5.	10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	Y N	Are there custody seals present on the cooler?	8.	Y N	Are there custody seals present on bottles?
2.	Y N N/A	Do custody seals on cooler appear to be tampered with?	9.	Y N N/A	Do custody seals on bottles appear to be tampered with?
3.	Y N	Were contents of cooler frisked after opening, but before unpacking?	10.	Y N N/A	Was sample received with proper pH[1]? (If not, make note below)
4.	Y N	Sample received with Chain of Custody?	11.	Y N	Sample received in proper containers?
5.	Y N N/A	Does the Chain of Custody match sample ID's on the container(s)?	12.	Y N N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)
6.	Y N	Was sample received broken?	13.	Y N N/A	Was Internal COC/Workshare received?
7.	Y N	Is sample volume sufficient for analysis?	14.	Y N N/A	Was pH taken by original TestAmerica lab?

[1] For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes: F09-037-19
W09-005-141, 135, 130, 129
X09-033-4, 8, 14, 26

Corrective Action:
- ☐ Client Contact Name: _____ Informed by: _____
- ☐ Sample(s) processed "as is"
- ☐ Sample(s) on hold until: _____ If released, notify: _____

Project Management Review: [signature] Date: 05-01-09

SDG# SL799

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

SDG# SL799

CHPRC 5L799 | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | C.O.C. # S09-005-228

Page 1 of 1

Collector: DR Williamson CHPRC	Contact/Requester: Dana Widrig	Telephone No.: 509-376-2858 MSIN FAX
SAF No.: S09-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV, MAY 2009	HNF-N-506-24 / 17	Ice Chest No.: GPP-03-020 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7966 5881 9762
Protocol: SURV	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B20VC3		W	6/2/09	1151	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	28 Days/48 Hours	Cool~4C
B20VC3		W	↓	↓	1x20-mL P	Activity Scan	6 Months	None

6/2/09

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
DR Williamson CHPRC			JUN 0 2 2009 1430	FED EX			JUN 0 2 2009
Relinquished By: FedEx			Date/Time	Received By: S.Wilson 06.03.09			Date/Time 0920
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time

TestAmerica St. Louis

SDG# SL799

CHPRC

SL799

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S09-005-248

Collector: KE Hamilton, CHPRC	Contact/Requester: Dana Widrig	Telephone No.: 509-376-2858 MSIN FAX
SAF No.: S09-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV, MAY 2009	HNF-N-506- 23 116	Ice Chest No.: GPP-03-020 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7966 5881 9762
Protocol: SURV	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS Hold Time
Site-Wide Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B20VF5		W	6-2-09	0835	1x500-mL P	300.0_ANIONS_IC: List-1.(5)	28 Days/48 Hours	Cool~4C
B20VF5		W	〃	〃	1x20-mL P	Activity Scan	6 Months	None

6-2-09

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
KE Hamilton CHPRC		Kevin E Hamilton	JUN 0 2 2009 1430	FED EX			JUN 0 2 2009
ROEY				S. Wilson			06.03.09 0920

Matrix *

S = Soil	DS = Drum Solid		
SE = Sediment	DL = Drum Liquid		
SO = Solid	T = Tissue		
SL = Sludge	WI = Wine		
W = Water	L = Liquid		
O = Oil	V = Vegetation		
A = Air	X = Other		

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time

TestAmerica St. Louis

SDG# SL799

CHPRC SL799.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S09-005-236

Collector: KE Hamilton CHPRC	Contact/Requester: Dana Widrig	Telephone No.: 509-376-2858 MSIN FAX
SAF No.: S09-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV, MAY 2009	HNF-N-506- 23116	Ice Chest No.: GPP-03-020 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7966 5881 9762
Protocol: SURV	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS Hold Time
Site-Wide Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B20VD3		W	6-2-09	1040	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	28 Days/48 Hours	Cool~4C
B20VD3		W	↓	↓	1x20-mL P	Activity Scan	6 Months	None

6-2-09

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
KE Hamilton CHPRC			JUN 0 2 2009 1430	FED EX			JUN 0 2 2009
FEDEX				SWilson			06.03.09 0920

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time

TestAmerica St. Louis

SDG# SL799

CHPRC

SL799

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S09-005-246

Page 1 of 1

Collector: KE Hamilton, CHPRC	Contact/Requester: Dana Widrig	Telephone No.: 509-376-2858 MSIN FAX
SAF No.: S09-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV, MAY 2009	HNF-N-506-23116	Ice Chest No.: GPP-03-020 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.
Protocol: SURV	Priority: 45 Days	Offsite Property No.: 7966 5881 9762

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS Hold Time
Site-Wide Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B20VF3		W	6-2-09	1111	1x500-mL G/P	310.1_ALKALINITY: Alkalinity (1)	14 Days	Cool~4C
B20VF3		W	↓	↓	1x250-mL G/P	9012_CYANIDE: Cyanide (1)	14 Days	NaOH to pH >= 12 Cool~4C
B20VF3		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	28 Days/48 Hours	Cool~4C
B20VF3		W			1x20-mL P	Activity Scan	6 Months	None

NA 6-2-09

Relinquished By (Print / Sign / Date/Time)	Received By (Print / Sign / Date/Time)
KE Hamilton, CHPRC — Kim E Hamilton — JUN 0 2 2009 1430	FED EX — JUN 0 2 2009
FEDEX — Date/Time	S Wilson — 06.03.09 0920 — Date/Time
Relinquished By — Date/Time	Received By — Date/Time
Relinquished By — Date/Time	Received By — Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION — Disposal Method (e.g., Return to customer, per lab procedure, used in process) — Disposed By — Date/Time

TestAmerica St. Louis

38 of 226

Detailed Results

Enter tracking number

Detailed Results | Notifications

Tracking no.: 796658819762

E-n

Delivered

Initiated → Picked up → In transit → Delivered

Delivered
Signed for by: S.WILSON

Shipment Dates

Ship date Jun 2, 2009
Delivery date Jun 3, 2009 9:20 AM

Destination

EARTH CITY, MO
Signature Proof of Delivery

Shipment Facts

Service type	Priority Overnight	Delivered to	Shipping/Receiving
Weight	70.0 lbs/31.8 kg	Reference	GPP-03-020

Shipment Travel History

Select time zone: Select

Select time form

All shipment travel activity is displayed in local time for the location

Date/Time	Activity	Location	Details
Jun 3, 2009 9:20 AM	**Delivered**	EARTH CITY, MO	
Jun 3, 2009 5:57 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
Jun 3, 2009 5:53 AM	At local FedEx facility	EARTH CITY, MO	
Jun 3, 2009 4:14 AM	At dest sort facility	BERKELEY, MO	
Jun 3, 2009 3:39 AM	Departed FedEx location	MEMPHIS, TN	
Jun 3, 2009 12:54 AM	Arrived at FedEx location	MEMPHIS, TN	
Jun 2, 2009 5:15 PM	Left FedEx origin facility	PASCO, WA	
Jun 2, 2009 4:20 PM	Picked up	PASCO, WA	
Jun 2, 2009 3:36 PM	Shipment information sent to FedEx		

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): F9F030293
294
297

CONDITION UPON RECEIPT FORM

Client: CHPRC

Quote No: 83126, 83320, 83127

COC/RFA No: below

313

Initiated By: [illegible] Date: 06.03.09 Time: 0920

Shipping Information

Shipper: FedEx UPS DHL Courier Client Other: _____ Multiple Packages: Y N

Shipping # (s):*

1. 1946 5881 9762
2.
3.
4.
5.
6.
7.
8.
9.
10.

Sample Temperature (s):**

1. 2
2.
3.
4.
5.
6.
7.
8.
9.
10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	Y N	Are there custody seals present on the cooler?	8.	Y N	Are there custody seals present on bottles?
2.	Y N N/A	Do custody seals on cooler appear to be tampered with?	9.	Y N N/A	Do custody seals on bottles appear to be tampered with?
3.	Y N	Were contents of cooler frisked after opening, but before unpacking?	10.	Y N N/A	Was sample received with proper pH[1]? (If not, make note below)
4.	Y N	Sample received with Chain of Custody?	11.	Y N	Sample received in proper containers?
5.	Y N N/A	Does the Chain of Custody match sample ID's on the container(s)?	12.	Y N N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)
6.	Y N	Was sample received broken?	13.	Y N N/A	Was Internal COC/Workshare received?
7.	Y N	Is sample volume sufficient for analysis?	14.	Y N N/A	Was pH taken by original TestAmerica lab?

[1] For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes:

S09-005-228, 248, 236, 246
W09-005-178, 172, 170
X09-033-18, 22, 2, 6

Corrective Action:

- ☐ Client Contact Name: _____ Informed by: _____
- ☐ Sample(s) processed "as is"
- ☐ Sample(s) on hold until: _____ If released, notify: _____

Project Management Review: [illegible] Date: 06-04-09

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM

SDG# SL799

CHPRC SL799 ack 3/3

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W09-005-178

Page 1 of 1

Collector: DR Williamson CHPRC	Contact/Requester: Dana Widrig	Telephone No.: 509-376-2858 MSIN FAX
SAF No.: W09-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, MAY 2009	HNF-N-506-24117	Ice Chest No.: GPP-03-020 Temp.: 7 Ice chips
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7966 5881 9762
Protocol: RCRA	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS Hold Time
Site-Wide Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B20J48		W	6/2/09	1151	1x20-mL P	Activity Scan	6 Months	None.
B20J48		W			1x500-mL G/P	310.1_ALKALINITY: Alkalinity (1)	14 Days	Cool~4C
B20J48		W			1x250-mL G/P	9012_CYANIDE: Cyanide (1)	14 Days	NaOH to pH >= 12 Cool~4C

6/2/09

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
DR Williamson CHPRC		DR Williamson	JUN 0 2 2009 1430	FED EX			JUN 0 2 2009
FEDEX						S. Wilson	06.03.09 0920

Matrix *

S = Soil		DS = Drum Solid	
SR = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time

TestAmerica St. Louis

SDG# SL799

CHPRC

SL799

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W09-005-172

Page 1 of 1

Collector: KE Hamilton, CHPRC	Contact/Requester: Dana Widrig	Telephone No.: 509-376-2858 MSIN FAX
SAF No.: W09-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA MAY 2009	HNF-N-506- 23116	Ice Chest No.: GRP-03-020 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7966 5881 9762
Protocol: RCRA	Priority: 45 Days	Offsite Property No.

70#

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS Hold Time
Site-Wide Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B20VP8		W	6-2-09	1040	1x20-mL P	Activity Scan	6 Months	None
B20VP8		W			1x500-mL G/P	310.1_ALKALINITY: Alkalinity (1)	14 Days	Cool~4C
B20VP8		W			1x250-mL G/P	9012_CYANIDE: Cyanide (1)	14 Days	NaOH to pH >= 12 Cool~4C

6-2-09

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
KE Hamilton, CHPRC	Kevin E Hamilton		JUN 0 2 2009 1430	FED. EX			JUN 0 2 2009
Relinquished By: FEDEX			Date/Time	Received By: S. Wilson			Date/Time: 06-03-09 0920
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S	= Soil	DS	= Drum Solid
SE	= Sediment	DL	= Drum Liqui
SO	= Solid	T	= Tissue
SL	= Sludge	WI	= Wine
W	= Water	L	= Liquid
O	= Oil	V	= Vegetation
A	= Air	X	= Other

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time

TestAmerica St. Louis

SDG# SL799

CHPRC SL799

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W09-005-170

Page 1 of 1

Collector KE Hamilton CHPRC	Contact/Requester Dana Widrig	Telephone No. 509-376-2858 MSIN FAX
SAF No. W09-005	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title RCRA, MAY 2009	HNF-N-506-23 / 16	Ice Chest No. aPP-03-020 Temp.
Shipped To (Lab) TestAmerica St. Louis	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No. 7966 5881 9762
Protocol RCRA	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS Hold Time
Site-Wide Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B20VP5		W	6-2-09	0835	1x20-mL P	Activity Scan	6 Months	None
B20VP5		W			1x500-mL G/P	310.1_ALKALINITY: Alkalinity (1)	14 Days	Cool~4C
B20VP5		W			1x250-mL G/P	9012_CYANIDE: Cyanide (1)	14 Days	NaOH to pH >= 12 Cool~4C

6-2-09

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
KE Hamilton CHPRC			JUN 0 2 2009 1430	FED EX			JUN 0 2 2009
Relinquished By			Date/Time	Received By			Date/Time
FED EX					S. Wilson		06-03-09 0928
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S	= Soil	DS	= Drum Solid
SE	= Sediment	DL	= Drum Liqui
SO	= Solid	T	= Tissue
SL	= Sludge	WI	= Wine
W	= Water	L	= Liquid
O	= Oil	V	= Vegetation
A	= Air	X	= Other

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time

TestAmerica St. Louis

Detailed Results

Enter tracking number

Detailed Results | Notifications

Tracking no.: 796658819762 E-n

Delivered

Initiated Picked up In transit Delivered

Delivered
Signed for by: S.WILSON

Shipment Dates	Destination
Ship date Jun 2, 2009	EARTH CITY, MO
Delivery date Jun 3, 2009 9:20 AM	Signature Proof of Delivery

Shipment Facts

Service type	Priority Overnight	Delivered to	Shipping/Receiving
Weight	70.0 lbs/31.8 kg	Reference	GPP-03-020

Shipment Travel History

Select time zone: Select

Select time form

All shipment travel activity is displayed in local time for the location

Date/Time	Activity	Location	Details
Jun 3, 2009 9:20 AM	**Delivered**	EARTH CITY, MO	
Jun 3, 2009 5:57 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
Jun 3, 2009 5:53 AM	At local FedEx facility	EARTH CITY, MO	
Jun 3, 2009 4:14 AM	At dest sort facility	BERKELEY, MO	
Jun 3, 2009 3:39 AM	Departed FedEx location	MEMPHIS, TN	
Jun 3, 2009 12:54 AM	Arrived at FedEx location	MEMPHIS, TN	
Jun 2, 2009 5:15 PM	Left FedEx origin facility	PASCO, WA	
Jun 2, 2009 4:20 PM	Picked up	PASCO, WA	
Jun 2, 2009 3:36 PM	Shipment information sent to FedEx		

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): F9F030293, 294, 297

CONDITION UPON RECEIPT FORM

Client: CHPRC

Quote No: 83126, 83120, 83127

COC/RFA No: below

313

Initiated By: [illegible] Date: 06.03.09 Time: 0920

Shipping Information

Shipper: FedEx UPS DHL Courier Client Other: _____ Multiple Packages: Y N

Shipping # (s):*		Sample Temperature (s):**	
1. 1946 5881 9762	6.	1. 2	6.
2.	7.	2.	7.
3.	8.	3.	8.
4.	9.	4.	9.
5.	10.	5.	10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	Y N	Are there custody seals present on the cooler?	8.	Y N	Are there custody seals present on bottles?
2.	Y N N/A	Do custody seals on cooler appear to be tampered with?	9.	Y N N/A	Do custody seals on bottles appear to be tampered with?
3.	Y N	Were contents of cooler frisked after opening, but before unpacking?	10.	Y N N/A	Was sample received with proper pH[1]? (If not, make note below)
4.	Y N	Sample received with Chain of Custody?	11.	Y N	Sample received in proper containers?
5.	Y N N/A	Does the Chain of Custody match sample ID's on the container(s)?	12.	Y N N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)
6.	Y N	Was sample received broken?	13.	Y N N/A	Was Internal COC/Workshare received?
7.	Y N	Is sample volume sufficient for analysis?	14.	Y N N/A	Was pH taken by original TestAmerica lab?

[1] For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes:

S09-005-228, 248, 236, 246
W09-005-178, 172, 170
X09-033-18, 22, 2, 6

Corrective Action:

- ☐ Client Contact Name: _____ Informed by: _____
- ☐ Sample(s) processed "as is"
- ☐ Sample(s) on hold until: _____ If released, notify: _____
- Project Management Review: [illegible] Date: 06-04-09

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM

SDG# SL799

CHPRC

SL799

82391

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W09-003-390

Page 1 of 1

Collector: DJ Sparks, CHPRC	Contact/Requester: Dana Widrig	Telephone No.: 509-376-2858 MSIN FAX
SAF No.: W09-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA MARCH 2009	~~HNF-N-506~~ 22 BT	Ice Chest No. GWS-~~058~~ Temp. 855
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 7966 6651 8983
Protocol: RCRA	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS Hold Time
Site-Wide Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B20951		W	6/2/09	1133	1x20-mL P	Activity Scan	6 Months	None
B20951		W	6/2/09	1133	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	14 Days	HCl or H2SO4 to pH <2 Cool~4C

6/2/09
RAS

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
DJ Sparks CHPRC			JUN 0 2 2009 1500	SSU#1			JUN 0 2 2009 1500
SSU#4			6-4-09 1230	KB Hulse			6-4-09 1230
KB Hulse			6-4-09 1430	FED EX			
FedEx				Angela Boom ABrunson			6-5-09 9:15

Matrix *

S = Soil	DS = Drum Solid		
SE = Sediment	DL = Drum Liqui		
SO = Solid	T = Tissue		
SL = Sludge	WI = Wine		
W = Water	L = Liquid		
O = Oil	V = Vegetation		
A = Air	X = Other		

FINAL SAMPLE DISPOSITION: Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

TestAmerica St. Louis

46 of 226

Detailed Results

Enter tracking number

Detailed Results | Notifications

Tracking no.: 796666518983

E-n

Delivered

Initiated → Picked up → In transit → Delivered

Delivered
Signed for by: B.DANIELS

Shipment Dates

Ship date Jun 4, 2009
Delivery date Jun 5, 2009 9:12 AM

Destination

EARTH CITY, MO
Signature Proof of Delivery

Shipment Facts

Service type	Priority Overnight	Delivered to	Shipping/Receiving
Weight	37.0 lbs/16.8 kg	Reference	GWS-055

Shipment Travel History

Select time zone: Select

Select time form

All shipment travel activity is displayed in local time for the location

Date/Time	Activity	Location	Details
Jun 5, 2009 9:12 AM	**Delivered**	EARTH CITY, MO	
Jun 5, 2009 6:34 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
Jun 5, 2009 6:26 AM	At local FedEx facility	EARTH CITY, MO	
Jun 4, 2009 5:10 PM	Left FedEx origin facility	PASCO, WA	
Jun 4, 2009 4:00 PM	Picked up	PASCO, WA	
Jun 4, 2009 2:49 PM	Shipment information sent to FedEx		

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): F9F050184 186
186 190
1905 SW 06.05.09
201 195
2

CONDITION UPON RECEIPT FORM

Client: CHPRC

Quote No: 82391, 82995, 82900, 83157

COC/RFA No: See Below

Initiated By: AB Date: 6-5-09 Time: 9:15

Shipping Information

Shipper: (FedEx) UPS DHL Courier Client Other: _____ Multiple Packages: Y (N)

Shipping # (s):*		Sample Temperature (s):**	
1. 79666 66518983	6.	1. 5	6.
2.	7.	2.	7.
3.	8.	3.	8.
4.	9.	4.	9.
5.	10.	5.	10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C. If not note contents below. Temperature variance does NOT affect the following: Metals Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	(Y) N	Are there custody seals present on the cooler?	8.	(Y) N	Are there custody seals present on bottles?
2.	Y (N) N/A	Do custody seals on cooler appear to be tampered with?	9.	Y (N) N/A	Do custody seals on bottles appear to be tampered with?
3.	(Y) N	Were contents of cooler frisked after opening, but before unpacking?	10.	Y N (N/A)	Was sample received with proper pH? (If not, make note below)
4.	(Y) N	Sample received with Chain of Custody?	11.	(Y) N	Sample received in proper containers?
5.	(Y) N N/A	Does the Chain of Custody match sample ID's on the container(s)?	12.	Y (N) &	Headspace in VOA or TOX liquid samples? (If yes, note sample ID's below) AB 6-5-09
6.	Y (N)	Was sample received broken?	13.	Y N (N/A)	Was Internal COC/Workshare received?
7.	(Y) N	Is sample volume sufficient for analysis?	14.	Y N (N/A)	Was pH taken by original TestAmerica lab?

[1] For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes:

I09-039-168, 172
I09-035-312
I09-038-38, 39
W09-003-390

No time on COC I09-035-312
sample id B20CV3 sample reads
9:35 - wrote on COC

Corrective Action:
- ☐ Client Contact Name: _____ Informed by _____
- ☐ Sample(s) processed "as is"
- ☐ Sample(s) on hold until _____ If released, notify _____

Project Management Review: _____ Date: 06-06-09

SDG# SL799

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN

SDG# SL799

CHPRC 5799

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I09-035-312

Collector: ~~SE Hamaker~~ CHPRC	Contact/Requester: Dana Widrig	Telephone No.: 509-376-2858 MSIN FAX
SAF No.: I09-035	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 100HR3IAM(1/2) MAY 2009	~~HNF-N-506-~~ 24/19	Ice Chest No.: 6WS-055 Temp. 37
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7966 6651 8983
Protocol: CERCLA	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS Hold Time
100 Area Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B20CV3		W	6-4-09	9:35	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	28 Days/48 Hours	Cool~4C
B20CV3		W	6-4-09		1x20-mL P	Activity Scan	6 Months	None

DAW 6-4-09

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
SE Hamaker CHPRC			JUN 04 2009 1030	KB Hulse			JUN 04 2009 1030
KB Hulse			6-4-09 1430	FED EX			
FedEx				Angel Boom	A Brunson		6-5-09 9:15

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time

TestAmerica St. Louis

Detailed Results

Enter tracking number

Detailed Results | Notifications

Tracking no.: 796666518983

E-n

Delivered

Initiated → Picked up → In transit → Delivered

Delivered
Signed for by: B.DANIELS

Shipment Dates	Destination
Ship date Jun 4, 2009	EARTH CITY, MO
Delivery date Jun 5, 2009 9:12 AM	Signature Proof of Delivery

Shipment Facts

Service type	Priority Overnight	Delivered to	Shipping/Receiving
Weight	37.0 lbs/16.8 kg	Reference	GWS-055

Shipment Travel History

Select time zone: Select

Select time form

All shipment travel activity is displayed in local time for the location

Date/Time	Activity	Location	Details
Jun 5, 2009 9:12 AM	**Delivered**	EARTH CITY, MO	
Jun 5, 2009 6:34 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
Jun 5, 2009 6:26 AM	At local FedEx facility	EARTH CITY, MO	
Jun 4, 2009 5:10 PM	Left FedEx origin facility	PASCO, WA	
Jun 4, 2009 4:00 PM	Picked up	PASCO, WA	
Jun 4, 2009 2:49 PM	Shipment information sent to FedEx		

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): F9F050184 186
~~186~~ 190
1905 SW 06.05.09
201 195
2

CONDITION UPON RECEIPT FORM

Client: CHPRC

Quote No: 82391, 82995, 82900, 83157

COC/RFA No: See Below

Initiated By: AB Date: 6-5-09 Time: 9:15

Shipping Information

Shipper: (FedEx) UPS DHL Courier Client Other: _____ Multiple Packages: Y (N)

Shipping # (s):*

1. 79666 66518983
2.
3.
4.
5.
6.
7.
8.
9.
10.

Sample Temperature (s):**

1. 5
2.
3.
4.
5.
6.
7.
8.
9.
10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	(Y) N	Are there custody seals present on the cooler?	8.	(Y) N	Are there custody seals present on bottles?
2.	Y (N) N/A	Do custody seals on cooler appear to be tampered with?	9.	Y (N) N/A	Do custody seals on bottles appear to be tampered with?
3.	(Y) N	Were contents of cooler frisked after opening, but before unpacking?	10.	Y N (N/A)	Was sample received with proper pH[1]? (If not, make note below)
4.	(Y) N	Sample received with Chain of Custody?	11.	(Y) N	Sample received in proper containers?
5.	(Y) N N/A	Does the Chain of Custody match sample ID's on the container(s)?	12.	Y (N) N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below) AB 6-5-09
6.	Y (N)	Was sample received broken?	13.	Y N (N/A)	Was Internal COC/Workshare received?
7.	(Y) N	Is sample volume sufficient for analysis?	14.	Y N (N/A)	Was pH taken by original TestAmerica lab?

[1] For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes:

I09-039-168; 172
I09-035-312
I09-038-38; 39
W09-003-396

No time on COC I09-035-312
sample id B20CV3 sample read
9:35 - wrote on COC

Corrective Action:

☐ Client Contact Name: _____ Informed by: _____
☐ Sample(s) processed "as is"
☐ Sample(s) on hold until: _____ If released, notify: _____
Project Management Review: [signature] Date: 06-06-09

SDG# SL799

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

SDG# SL799

CHPRC

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CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I09-039-168

Page 1 of 1

Collector: RA Shepard, CHPRC	Contact/Requester: Dana Widrig	Telephone No.: 509-376-2858 MSIN FAX
SAF No.: I09-039	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: ISRM, MAY 2009	HNF-N-506- 23 / 18	Ice Chest No.: GWS-055 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7966 6651 8983
Protocol: CERCLA	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS Hold Time
100 Area Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B20FL8		W	6/4/09	1031	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	28 Days/48 Hours	Cool~4C
B20FL8		W	↓	↓	1x20-mL P	Activity Scan	6 Months	None

6/4/09

Relinquished By	Received By
Print: RA Shepard, CHPRC; Sign: [signature]; Date/Time: JUN 04 2009 1430	Print: FED EX; Sign: ; Date/Time: JUN 04 2009 1430
Relinquished By: FEDEX; Date/Time:	Received By: Angela Bon ABrunson; Date/Time: 6-5-09 9:10
Relinquished By; Date/Time:	Received By; Date/Time:
Relinquished By; Date/Time:	Received By; Date/Time:

Matrix *

S = Soil		DS = Drum Solid	
SR = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wipe	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time

TestAmerica St. Louis

52 of 226

SDG# SL799

CHPRC 5L799

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I09-039-172

Collector: RA Shepard CHPRC	Contact/Requester: Dana Widrig	Telephone No.: 509-376-2858 MSIN FAX
SAF No.: I09-039	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: ISRM, MAY 2009	HNF-N-506-23 / 18	Ice Chest No.: GWS-055 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7966 6651 8983
Protocol: CERCLA	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS Hold Time
100 Area Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B20FP5		W	6/4/09	1127	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	28 Days/48 Hours	Cool~4C
B20FP5		W	"	"	1x20-mL P	Activity Scan	6 Months	None

6/4/09

Relinquished By	Received By
Print: RA Shepard CHPRC Sign: Date/Time: JUN 04 2009 1430	Print: FED EX Sign: Date/Time: JUN 04 2009 1430
Relinquished By: FedEx Date/Time:	Received By: Angela Boom ABunson Date/Time: 6-5-09 9:15
Relinquished By: Date/Time:	Received By: Date/Time:
Relinquished By: Date/Time:	Received By: Date/Time:

Matrix *

S	= Soil	DS	= Drum Solid
SE	= Sediment	DL	= Drum Liqui
SO	= Solid	T	= Tissue
SL	= Sludge	WI	= Wine
W	= Water	L	= Liquid
O	= Oil	V	= Vegetation
A	= Air	X	= Other

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time

TestAmerica St. Louis

Detailed Results

Enter tracking number

Detailed Results | Notifications

Tracking no.: 796666518983

E-n

Delivered

Initiated Picked up In transit Delivered

Delivered
Signed for by: B.DANIELS

Shipment Dates	Destination
Ship date Jun 4, 2009	EARTH CITY, MO
Delivery date Jun 5, 2009 9:12 AM	Signature Proof of Delivery

Shipment Facts

Service type	Priority Overnight	Delivered to	Shipping/Receiving
Weight	37.0 lbs/16.8 kg	Reference	GWS-055

Shipment Travel History

Select time zone: Select

Select time form

All shipment travel activity is displayed in local time for the location

Date/Time	Activity	Location	Details
Jun 5, 2009 9:12 AM	**Delivered**	EARTH CITY, MO	
Jun 5, 2009 6:34 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
Jun 5, 2009 6:26 AM	At local FedEx facility	EARTH CITY, MO	
Jun 4, 2009 5:10 PM	Left FedEx origin facility	PASCO, WA	
Jun 4, 2009 4:00 PM	Picked up	PASCO, WA	
Jun 4, 2009 2:49 PM	Shipment information sent to FedEx		

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): F9F050184 186
~~186~~ 190
~~1885~~ 5-4-05-09
201 195
2

CONDITION UPON RECEIPT FORM

Client: CHPBC

Quote No: 82391, 82995, 82900, 83157

COC/RFA No: See Below

Initiated By: AB Date: 6-5-09 Time: 9:15

Shipping Information

Shipper: FedEx UPS DHL Courier Client Other: Multiple Packages: Y N

Shipping # (s):*

1. 79666 66518983
2.
3.
4.
5.
6.
7.
8.
9.
10.

Sample Temperature (s):**

1. 5
2.
3.
4.
5.
6.
7.
8.
9.
10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C. If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable)

1	Y N	Are there custody seals present on the cooler?	8	Y N	Are there custody seals present on bottles?
2	Y N N/A	Do custody seals on cooler appear to be tampered with?	9	Y N N/A	Do custody seals on bottles appear to be tampered with?
3	Y N	Were contents of cooler frisked after opening, but before unpacking?	10	Y N N/A	Was sample received with proper pH[1]? (If not, make note below)
4	Y N	Sample received with Chain of Custody?	11	Y N	Sample received in proper containers?
5	Y N N/A	Does the Chain of Custody match sample ID's on the container(s)?	12	Y N	Headspace in VOA or TOX liquid samples? (If yes, note sample ID's below) AB 6-5-09
6	Y N	Was sample received broken?	13	Y N N/A	Was Internal COC/Workshare received?
7	Y N	Is sample volume sufficient for analysis?	14	Y N N/A	Was pH taken by original TestAmerica lab?

[1] For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified. EXCEPT VOA, TOX and soils.

Notes:

I09-039-168, 172 No time on COC I09-035-312
I09-035-312 sample id B20CV3 sample reads
I09-038-38, 39 9:35 wrote on COC
W09-003-396

Corrective Action:

- ☐ Client Contact Name: Informed by
- ☐ Sample(s) processed "as is"
- ☐ Sample(s) on hold until: If released, notify:

Project Management Review: Date: 06-06-09

SDG# SL799

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, INITIAL THAT ITEM.

SDG# SL799

CHPRC

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CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I09-038-38

Page 1 of 1

Collector: DJ Sparks ~~CHPRC~~	Contact/Requester: Dana Widrig	Telephone No.: 509-376-2858 MSIN FAX
SAF No.: I09-038	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 2ZP1, MAY 2009	HNF-N-506-22137	Ice Chest No.: ~~GWS-055~~ SPAL 412 Temp. 37 lbs
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7966 6651 8983
Protocol: CERCLA	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS Hold Time
200 Area Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B20F54		W	6/2/09	1133	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B20F54		W	6/2/09	1133	1x20-mL P	Activity Scan	6 Months	None

RAS 6/2/09

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
DJ Sparks ~~CHPRC~~	JUN 0 2 2009 1500	SSU#1	JUN 0 2 2009 1500
SSU#1	6-4-09 1230	KB Hulse	6-4-09 1230
KB Hulse	6-4-09 1430	FED EX	
FEDEX		Angela Brunson	6-5-09 9:15

Matrix *:

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liquid	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION
Disposal Method (e.g., Return to customer, per lab procedure, used in process)
Disposed By
Date/Time

TestAmerica St. Louis

56 of 226

SDG# SL799

CHPRC 52799

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I09-038-39

Collector: DJ Sparks CHPRC	Contact/Requester: Dana Widrig	Telephone No.: 509-376-2858 MSIN FAX
SAF No.: I09-038	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 2ZP1, MAY 2009	HNF-N-506-22-137	Ice Chest No.: GW5-055 SML-412 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7966 6651 8983
Protocol: CERCLA	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS Hold Time
200 Area Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B20F55		W	6/2/09	1133	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B20F55		W	6/2/09	1133	1x20-mL P	Activity Scan	6 Months	None

6/2/09

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
DJ Sparks CHPRC			JUN 0 2 2009 1500	SSU#1			JUN 0 2 2009 1500
SSU#1			6-4-09 1230	KB Hulse			6-4-09 1230
KB Hulse			6-4-09 1430	FEDEX			
FEDEX				Angie Boon ABrunson			6-5-09 9:15

Matrix *

S = Soil	DS = Drum Solid		
SE = Sediment	DL = Drum Liquid		
SO = Solid	T = Tissue		
SL = Sludge	WI = Wine		
W = Water	L = Liquid		
O = Oil	V = Vegetation		
A = Air	X = Other		

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time

TestAmerica St. Louis

Detailed Results

Enter tracking number

Detailed Results | Notifications

Tracking no.: 796666518983

E-n

Delivered

Initiated Picked up In transit Delivered

Delivered
Signed for by: B.DANIELS

Shipment Dates	Destination
Ship date Jun 4, 2009	EARTH CITY, MO
Delivery date Jun 5, 2009 9:12 AM	Signature Proof of Delivery

Shipment Facts

Service type	Priority Overnight	Delivered to	Shipping/Receiving
Weight	37.0 lbs/16.8 kg	Reference	GWS-055

Shipment Travel History

Select time zone: Select

Select time form

All shipment travel activity is displayed in local time for the location

Date/Time	Activity	Location	Details
Jun 5, 2009 9:12 AM	**Delivered**	EARTH CITY, MO	
Jun 5, 2009 6:34 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
Jun 5, 2009 6:26 AM	At local FedEx facility	EARTH CITY, MO	
Jun 4, 2009 5:10 PM	Left FedEx origin facility	PASCO, WA	
Jun 4, 2009 4:00 PM	Picked up	PASCO, WA	
Jun 4, 2009 2:49 PM	Shipment information sent to FedEx		

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): F9F050184 186
186 190
1985 SW 06.05.09
201 195
2

CONDITION UPON RECEIPT FORM

Client: CHPRC

Quote No: 82391, 82995, 82900, 83157

COC/RFA No: See Below

Initiated By: AB Date: 6-5-09 Time: 9:15

Shipping Information

Shipper: FedEx UPS DHL Courier Client Other: Multiple Packages: Y N

Shipping # (s):*

1. 79666 6651 8983
2.
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Sample Temperature (s):**

1. 5
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10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C. If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable)

1.	Y N	Are there custody seals present on the cooler?	8.	Y N	Are there custody seals present on bottles?
2.	Y N N/A	Do custody seals on cooler appear to be tampered with?	9.	Y N N/A	Do custody seals on bottles appear to be tampered with?
3.	Y N	Were contents of cooler frisked after opening, but before unpacking?	10.	Y N N/A	Was sample received with proper pH[1]? (If not, make note below)
4.	Y N	Sample received with Chain of Custody?	11.	Y N	Sample received in proper containers?
5.	Y N N/A	Does the Chain of Custody match sample ID's on the container(s)?	12.	Y N N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)
6.	Y N	Was sample received broken?	13.	Y N N/A	Was Internal COC/Workshare received?
7.	Y N	Is sample volume sufficient for analysis?	14.	Y N N/A	Was pH taken by original TestAmerica lab?

AB 6-5-09

[1] For DOE AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified EXCEPT VOA, TOX and soils.

Notes:

I09-039-168, 172
I09-035-312
I09-038-38, 39
W09-003-396

No time on COC I09-035-312 sample id B20CV3 sample read 9:35 - wrote on COC

Corrective Action:

- ☐ Client Contact Name: Informed by:
- ☐ Sample(s) processed "as is"
- ☐ Sample(s) on hold until: If released, notify:

Project Management Review: Date: 06-06-09

SDG# SL799

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INSPECTOR, THE ITEM

SDG# SL799

CHPRC SL799 CUR

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I09-037-10

Page 1 of 1

Collector: KC Patterson	Contact/Requester: Dana Widrig	Telephone No.: 509-376-2858 MSIN FAX
SAF No.: I09-037	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 2UP1 MAY 2009	HNF-N-506- 22 / 39	Ice Chest No.: GWS-096 Temp.: 12 deg
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7976 6585 1307
Protocol: SURV	Priority: 45 Days	Offsite Property No.: N/A

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS Hold Time
200 Area Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B20DW8		W	6/5/09	0807	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B20DW8		W	↓	↓	1x20-mL P	Activity Scan	6 Months	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
KC Patterson			JUN 05 2009 1400	SSU			JUN 05 2009 1400
DR Williamson CHPRC DRW 6-9-09	SSU		JUN 09 2009 1230	DR Williamson CHPRC DRW 6-9-09			JUN 09 2009 1230
DR Williamson CHPRC			JUN 09 2009 1400	FEd EX			JUN 09 2009 1400
Fedex			Date/Time	Leia Duty			6-10-09 0920

Matrix *

S = Soil	DS = Drum Solid		
SE = Sediment	DL = Drum Liquid		
SO = Solid	T = Tissue		
SL = Sludge	WI = Wipe		
W = Water	L = Liquid		
O = Oil	V = Vegetation		
A = Air	X = Other		

FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process)	Disposed By	Date/Time

TestAmerica St. Louis

SDG# 51756

CHPRC

SL799 out 93

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I09-037-27

Page 1 of 1

Collector: DJ Woehle CHPRC	Contact/Requester: Dana Widrig	Telephone No.: 509-376-2858 MSIN FAX
SAF No.: I09-037	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 2UP1, MAY 2009	HNF-N-506-24 / 21	Ice Chest No.: GWS096 Temp.: 12 lbs
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7976 6585 1307
Protocol: SURV	Priority: 45 Days	Offsite Property No.: N/A

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS Hold Time
200 Area Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B20DY7		W	6/8/09	1012	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B20DY7		W	↓	↓	1x20-mL P	Activity Scan	6 Months	None

KSA 6/8/09

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
DJ Woehle CHPRC		DJ Woehle	JUN 0 8 2009 1055	SSU-1			JUN 0 8 2009 1055
SSU-1			JUN 0 9 2009 1230	DR Williamson CHPRC		DR Williamson	JUN 0 9 2009 1230
DR Williamson CHPRC		DR Williamson	JUN 0 9 2009 1400	FEd EX			JUN 0 9 2009 1400
Fedex			Date/Time	Leia Duty		Leia Duty	6-10-09 0920

Matrix *

S = Soil	DS = Drum Solid		
SE = Sediment	DL = Drum Liqui		
SO = Solid	T = Tissue		
SL = Sludge	WI = Wine		
W = Water	L = Liquid		
O = Oil	V = Vegetation		
A = Air	X = Other		

FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process)	Disposed By	Date/Time

TestAmerica St. Louis

SDG# S1799

CHPRC 2799 CLR 93

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I09-037-14

Collector: SE Hamaker, CHPRC	Contact/Requester: Dana Widrig	Telephone No.: 509-376-2858 MSIN FAX
SAF No.: I09-037	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 2UP1, MAY 2009	HNF-N-506- 22 140	Ice Chest No.: GWS096 Temp.: 12 lbs
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7926 65851307
Protocol: SURV	Priority: 45 Days	Offsite Property No.: N/A

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time**
200 Area Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B20DX4		W	6-8-09	1004	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B20DX4		W	6-8-09	1004	1x20-mL P	Activity Scan	6 Months	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
SE Hamaker, CHPRC		Scott Hamaker	1100 JUN 08 2009	SSU #1		1100	JUN 08 2009
SSU 1			1230 JUN 09 2009	DR Williamson, CHPRC			1230 JUN 09 2009
DR Williamson, CHPRC			1400 JUN 09 2009	FEDEX			1400 JUN 09 2009
FEDEX			Date/Time	Leia Duty			6-10-09 0920

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time

TestAmerica St. Louis

Detailed Results

Enter tracking number

Detailed Results | Notifications

Tracking no.: 797665851307

E-n

Delivered

Initiated → Picked up → In transit → Delivered

Delivered
Signed for by: B.DANIELS

Shipment Dates	Destination
Ship date Jun 9, 2009	EARTH CITY, MO
Delivery date Jun 10, 2009 9:19 AM	Signature Proof of Delivery

Shipment Facts

Service type	Priority Overnight	Delivered to	Shipping/Receiving
Weight	12.0 lbs/5.4 kg	Reference	GWS-096

Status

Pieces	Date/Time	Status

Shipment Travel History

Select time zone: Others: Select time form

All shipment travel activity is displayed in local time for the location To display the shipment travel activity in local ti please select "Local Scan Time" time zone option.

No entries found

Date/Time	Activity	Location	Details

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): F9F100245
249

CONDITION UPON RECEIPT FORM

Client: ~~TA Richland~~ CHPRC CTD 6-10-09

Quote No: 83128; 82391

93

COC/RFA No: Below

Initiated By: CTD Date: 6-10-09 Time: 0920

Shipping Information

Shipper: (FedEx) UPS DHL Courier Client Other: _____ Multiple Packages: Y (N)

Shipping # (s):*		Sample Temperature (s):**	
1. 7976 6585 1307	6.	1. 4	6.
2.	7.	2.	7.
3.	8.	3.	8.
4.	9.	4.	9.
5.	10.	5.	10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	(Y) N	Are there custody seals present on the cooler?	8.	(Y) N	Are there custody seals present on bottles?
2.	Y (N) (N/A)	Do custody seals on cooler appear to be tampered with?	9.	Y (N) N/A	Do custody seals on bottles appear to be tampered with?
3.	(Y) N CTD 6-10-09	Were contents of cooler frisked after opening, but before unpacking?	10.	Y N (N/A)	Was sample received with proper pH[1]? (If not, make note below)
4.	(Y) N	Sample received with Chain of Custody?	11.	(Y) N	Sample received in proper containers?
5.	(Y) N N/A	Does the Chain of Custody match sample ID's on the container(s)?	12.	Y (N) N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)
6.	Y (N)	Was sample received broken?	13.	Y N (N/A)	Was Internal COC/Workshare received?
7.	(Y) N	Is sample volume sufficient for analysis?	14.	Y N (N/A)	Was pH taken by original TestAmerica lab?

[1] For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes: I09-037-10
W09-003-389
I09-037-27
I09-037-14
W09-003-391

Corrective Action:
☐ Client Contact Name: _____ Informed by: _____
☐ Sample(s) processed "as is"
☐ Sample(s) on hold until: _____ If released, notify: _____
Project Management Review: [signature] Date: 06-11-09

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

ADMIN-0004, REVISED 10/21/08 \\Slsvr01\QA\FORMS\ST-LOUIS\ADMIN\Admin004 rev11.doc

SDG# SL799

CHPRC

SL799 CR 013

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W09-003-389

Page 1 of 1

Collector: KC Patterson	Contact/Requester: Dana Widrig	Telephone No.: 509-376-2858 MSIN FAX
SAF No.: W09-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, MARCH 2009	HNF-N-506- 22 / 39	Ice Chest No.: GWS-096 Temp.: 12 lbs
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7926 6585 1307
Protocol: RCRA	Priority: 45 Days	Offsite Property No.: N/A

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B20950		W	6/5/09	0807	1x20-mL P	Activity Scan	6 Months	None
B20950		W	↓	↓	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	14 Days	HCl or H2SO4 to pH <2 Cool~4C

6/5/09

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
KC Patterson			JUN 05 2009 1400	SSU 1			JUN 05 2009 1400
SSU 1			JUN 09 2009 1230	DR Williamson CHPRC			JUN 09 2009 1230
DR Williamson CHPRC			JUN 09 2009 1400	FEd EX			JUN 09 2009 1400
FEDEX			Date/Time	Lisa Duty		Lisa Duty	06-10-09 0920

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION: Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

TestAmerica St. Louis

SDG # SL799

CHPRC SL799 CUR 93

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W09-003-391

Page 1 of 1

Collector: SE Hamaker, CHPRC	Contact/Requester: Dana Widrig	Telephone No.: 509-376-2858 MSIN FAX
SAF No.: W09-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, MARCH 2009	HNF-N-506-22 / 40	Ice Chest No.: GWS-096 Temp.: 12 deg
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7926 6585 1307
Protocol: RCRA	Priority: 45 Days	Offsite Property No.: N/A

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS Hold Time
Site-Wide Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B20952		W	6-8-09	1004	1x20-mL P	Activity Scan	6 Months	None
B20952		W	6-8-09	1004	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	14 Days	HCl or H2SO4 to pH <2 Cool~4C

DRW 6-8-09

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
SE Hamaker, CHPRC			1100 JUN 08 2009	SSU #1			1100 JUN 08 2009
SSU 1			JUN 09 2009 1230	DR Williamson, CHPRC			JUN 09 2009 1230
DR Williamson, CHPRC			JUN 09 2009 1400	FEd Ex			JUN 09 2009 1400
FEDEX				Leia Duty			6-10-09 0920

Matrix *

S = Soil	DS = Drum Solid		
SE = Sediment	DL = Drum Liqui		
SO = Solid	T = Tissue		
SL = Sludge	WI = Wine		
W = Water	L = Liquid		
O = Oil	V = Vegetation		
A = Air	X = Other		

FINAL SAMPLE DISPOSITION: Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

TestAmerica St. Louis

Detailed Results

Enter tracking number

Detailed Results | Notifications

Tracking no.: 797665851307

E-n

Delivered

Initiated → Picked up → In transit → Delivered

Delivered
Signed for by: B.DANIELS

Shipment Dates	Destination
Ship date Jun 9, 2009	EARTH CITY, MO
Delivery date Jun 10, 2009 9:19 AM	Signature Proof of Delivery

Shipment Facts

Service type	Priority Overnight	Delivered to	Shipping/Receiving
Weight	12.0 lbs/5.4 kg	Reference	GWS-096

Status

Pieces	Date/Time	Status

Shipment Travel History

Select time zone: Others: Select time form

All shipment travel activity is displayed in local time for the location To display the shipment travel activity in local ti please select "Local Scan Time" time zone option.

No entries found

Date/Time	Activity	Location	Details

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): F9F100245 249

CONDITION UPON RECEIPT FORM

Client: DD 6-10-09 ~~TA~~ Richland CHPRC

Quote No: 83128; 82391

93

COC/RFA No: Belout

Initiated By: CTD Date: 6-10-09 Time: 0920

Shipping Information

Shipper: (FedEx) UPS DHL Courier Client Other: _____ Multiple Packages: Y (N)

Shipping # (s):*

1. 7976 6585 1307
2.
3.
4.
5.
6.
7.
8.
9.
10.

Sample Temperature (s):**

1. 4
2.
3.
4.
5.
6.
7.
8.
9.
10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C. If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	(Y) N	Are there custody seals present on the cooler?	8.	(Y) N	Are there custody seals present on bottles?
2.	Y (N) (N/A)	Do custody seals on cooler appear to be tampered with?	9.	Y (N) N/A	Do custody seals on bottles appear to be tampered with?
3.	(Y) N DD 6-10-09	Were contents of cooler frisked after opening, but before unpacking?	10.	Y N (N/A)	Was sample received with proper pH[1]? (If not, make note below)
4.	(Y) N	Sample received with Chain of Custody?	11.	(Y) N	Sample received in proper containers?
5.	(Y) N N/A	Does the Chain of Custody match sample ID's on the container(s)?	12.	Y (N) N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)
6.	Y (N)	Was sample received broken?	13.	Y N (N/A)	Was Internal COC/Workshare received?
7.	(Y) N	Is sample volume sufficient for analysis?	14.	Y N (N/A)	Was pH taken by original TestAmerica lab?

[1] For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes: I09-037-10
W09-003-389
I09-037-27
I09-037-14
W09-003-391

Corrective Action:
- ☐ Client Contact Name: _____ Informed by: _____
- ☐ Sample(s) processed "as is"
- ☐ Sample(s) on hold until: _____ If released, notify: _____

Project Management Review: [signature] Date: 06-11-09

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

ADMIN-0004, REVISED 10/21/08 \\Slsvr01\QA\FORMS\ST-LOUIS\ADMIN\Admin004 rev11.doc

SDG# SL799

CHPRC CUL 143
SL799
83128

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I09-037-23

Page 1 of 1

Collector: JP Herrick, CHPRC	Contact/Requester: Dana Widrig	Telephone No.: 509-376-2858 MSIN FAX
SAF No.: I09-037	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 2UP1, MAY 2009	~~HNF-N-506-~~ 23120	Ice Chest No.: GWS-027 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7976 7313 5137
Protocol: SURV	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS Hold Time
200 Area Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B20DY3		W	6/9/09	1248	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B20DY3		W	6/9/09	1244	1x20-mL P	Activity Scan	6 Months	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
JP Herrick CHPRC		J. Herrick	JUN 09 2009 1430	SSU 1			JUN 09 2009 1430
SSU 1			6/11/09 0800	J. Herrick		J. Herrick	6/11/09 0800
J. Herrick		J. Herrick	6/11/09	FED EX			JUN 11 2009
FEDEX				Brian Daniels			6/12/09 095

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time

TestAmerica St. Louis

SDG# SL799

CHPRC SL799

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I09-037-31

Collector: JP Herrick CHPRC	Contact/Requester: Dana Widrig	Telephone No.: 509-376-2858 MSIN FAX
SAF No.: I09-037	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 2UP1, MAY 2009	HNF-N-506 23 120	Ice Chest No.: GWS-027 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7976 7313 5137
Protocol: SURV	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS Hold Time
200 Area Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B20F01		W	6/9/09	1052	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B20F01		W	6/9/09	1052	1x20-mL P	Activity Scan	6 Months	None

6/9/09

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
JP Herrick CHPRC			JUN 09 2009 1430	SSU 1			JUN 09 2009 1430
SSU 1			JUN 11 2009 0800	Josh Herrick			JUN 11 2009 0800
Josh Herrick			JUN 11 2009	FED EX			JUN 11 2009
FEDEX					Brian Daniels		6/12/09 0915

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time

TestAmerica St. Louis

Detailed Results

Enter tracking number

Detailed Results | Notifications

Tracking no.: 797673135137

E-n

Delivered

Initiated → Picked up → In transit → Delivered

Delivered
Signed for by: S.WILSON

Shipment Dates	Destination
Ship date Jun 11, 2009	EARTH CITY, MO
Delivery date Jun 12, 2009 9:16 AM	Signature Proof of Delivery

Shipment Facts

Service type	Priority Overnight	Delivered to	Shipping/Receiving
Weight	42.0 lbs/19.1 kg	Reference	GWS-027

Shipment Travel History

Select time zone: Select

Select time form

All shipment travel activity is displayed in local time for the location

Date/Time	Activity	Location	Details
Jun 12, 2009 9:16 AM	**Delivered**	EARTH CITY, MO	
Jun 12, 2009 6:01 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
Jun 12, 2009 5:55 AM	At local FedEx facility	EARTH CITY, MO	
Jun 12, 2009 4:04 AM	At dest sort facility	BERKELEY, MO	
Jun 12, 2009 3:38 AM	Departed FedEx location	MEMPHIS, TN	
Jun 12, 2009 12:58 AM	Arrived at FedEx location	MEMPHIS, TN	
Jun 11, 2009 5:15 PM	Left FedEx origin facility	PASCO, WA	
Jun 11, 2009 4:15 PM	Picked up	PASCO, WA	
Jun 11, 2009 1:21 PM	Shipment information sent to FedEx		

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): F9F120296, 295, 298

CONDITION UPON RECEIPT FORM

Client: CHRL

Quote No: 82781, 83128, 82391

COC/RFA No: see below

143

Initiated By: BD Date: 6/12/09 Time: 0915

Shipping Information

Shipper: (FedEx) UPS DHL Courier Client Other: Multiple Packages: Y (N)

Shipping # (s):*

1. 7976 7313 5137
2.
3.
4.
5.
6.
7.
8.
9.
10.

Sample Temperature (s):**

1. 4
2.
3.
4.
5.
6.
7.
8.
9.
10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C. If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	(Y) N	Are there custody seals present on the cooler?	8.	(Y) N	Are there custody seals present on bottles?
2.	Y (N) N/A	Do custody seals on cooler appear to be tampered with?	9.	Y (N) N/A	Do custody seals on bottles appear to be tampered with?
3.	(Y) N	Were contents of cooler frisked after opening, but before unpacking?	10.	Y N (N/A)	Was sample received with proper pH[1]? (If not, make note below)
4.	(Y) N	Sample received with Chain of Custody?	11.	(Y) N	Sample received in proper containers?
5.	(Y) N N/A	Does the Chain of Custody match sample ID's on the container(s)?	12.	Y (N) N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)
6.	Y (N)	Was sample received broken?	13.	Y N (N/A)	Was Internal COC/Workshare received?
7.	(Y) N	Is sample volume sufficient for analysis?	14.	Y N (N/A)	Was pH taken by original TestAmerica lab?

[1] For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes: X09-026-14
I09-037-23, 31
W09-003-392
393

Corrective Action:

- ☐ Client Contact Name: Informed by:
- ☐ Sample(s) processed "as is"
- ☐ Sample(s) on hold until: If released, notify:

Project Management Review: Date: 06-16-09

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

ADMIN-0004, REVISED 10/21/08 \\Slsvr01\QA\FORMS\ST-LOUIS\ADMIN\Admin004 rev11.doc

SDG# SL799

CHPRC EUR 143

SL799

82391

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W09-003-392

Page 1 of 1

Collector: JP Herrick	Contact/Requester: Dana Widrig	Telephone No.: 509-376-2858 MSIN FAX
SAF No.: CHPRC W09-003	Sampling Origin: Hanford Site ~~INF-N-506~~ 23130	Purchase Order/Charge Code
Project Title: RCRA, MARCH 2009		Ice Chest No.: ~~CRF-03-004~~ GWS-027 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7976 7313 5137
Protocol: RCRA	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B20953		W	6/9/09	1052	1x20-mL P	Activity Scan	6 Months	None
B20953		W	6/9/09	1052	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	14 Days	HCl or H2SO4 to pH <2 Cool~4C

6/9/09

Relinquished By	Date/Time	Received By	Date/Time
JP Herrick CHPRC (Print) (Sign)	JUN 09 2009 1430	SSU 1 (Print) (Sign)	JUN 09 2009 1430
SSU 1	JUN 11 2009 0800	Josh Herrick	JUN 11 2009 0800
Josh Herrick	JUN 11 2009	FED EX	JUN 11 2009
FedEx		Brian Daniels	6/12/09 0915

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liquid	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION: Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

TestAmerica St. Louis

73 of 226

SDG# SL799

CHPRC

SL799

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W09-003-393

Page 1 of 1

Collector: DJ Sparks CHPRC	Contact/Requester: Dana Widrig	Telephone No.: 509-376-2858 MSIN FAX
SAF No.: W09-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA MARCH 2009	HNF-N-506- 24 / 29	Ice Chest No.: GWS-027 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7976 7313 5137
Protocol: RCRA	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **
~~All samples were filtered per project~~ DRW 6-10-09 ~~requirements~~

SPECIAL INSTRUCTIONS Hold Time
Site-Wide Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B20954		W	6/10/09	1043	1x20-mL P	Activity Scan	6 Months	None
B20954		W	6/10/09	1043	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	14 Days	HCl or H2SO4 to pH <2 Cool~4C

DRW 6-10-09

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
DJ Sparks CHPRC			JUN 10 2009 1330	SSU #1			JUN 10 2009 1330
SSU 1			JUN 11 2009 0800	Josh Herrick			JUN 11 2009 0800
Josh Herrick			JUN 11 2009	FED EX			JUN 11 2009
FedEx				B-1	Brian Daniels		6/12/09 0915

Matrix *

S = Soil	DS = Drum Solid		
SE = Sediment	DL = Drum Liqui		
SO = Solid	T = Tissue		
SL = Sludge	WI = Wine		
W = Water	L = Liquid		
O = Oil	V = Vegetation		
A = Air	X = Other		

FINAL SAMPLE DISPOSITION: Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

TestAmerica St. Louis

Detailed Results

Enter tracking number

Detailed Results | Notifications

Tracking no.: 797673135137

E-n

Delivered

Initiated Picked up In transit Delivered

Delivered
Signed for by: S.WILSON

Shipment Dates	Destination
Ship date Jun 11, 2009	EARTH CITY, MO
Delivery date Jun 12, 2009 9:16 AM	Signature Proof of Delivery

Shipment Facts

Service type	Priority Overnight	Delivered to	Shipping/Receiving
Weight	42.0 lbs/19.1 kg	Reference	GWS-027

Shipment Travel History

Select time zone: Select

Select time form

All shipment travel activity is displayed in local time for the location

Date/Time	Activity	Location	Details
Jun 12, 2009 9:16 AM	**Delivered**	EARTH CITY, MO	
Jun 12, 2009 6:01 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
Jun 12, 2009 5:55 AM	At local FedEx facility	EARTH CITY, MO	
Jun 12, 2009 4:04 AM	At dest sort facility	BERKELEY, MO	
Jun 12, 2009 3:38 AM	Departed FedEx location	MEMPHIS, TN	
Jun 12, 2009 12:58 AM	Arrived at FedEx location	MEMPHIS, TN	
Jun 11, 2009 5:15 PM	Left FedEx origin facility	PASCO, WA	
Jun 11, 2009 4:15 PM	Picked up	PASCO, WA	
Jun 11, 2009 1:21 PM	Shipment information sent to FedEx		

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): F9F120291
295
298

CONDITION UPON RECEIPT FORM

Client: CHRL

Quote No: 8278, 83128, 82391

143

COC/RFA No: See below

Initiated By: BD Date: 6/12/09 Time: 0915

Shipping Information

Shipper: FedEx UPS DHL Courier Client Other: _____ Multiple Packages: Y N

Shipping # (s):*		Sample Temperature (s):**	
1. 7976 7813 5137	6.	1. 4	6.
2.	7.	2.	7.
3.	8.	3.	8.
4.	9.	4.	9.
5.	10.	5.	10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	Y N	Are there custody seals present on the cooler?	8.	Y N	Are there custody seals present on bottles?
2.	Y N N/A	Do custody seals on cooler appear to be tampered with?	9.	Y N N/A	Do custody seals on bottles appear to be tampered with?
3.	Y N	Were contents of cooler frisked after opening, but before unpacking?	10.	Y N N/A	Was sample received with proper pH[1]? (If not, make note below)
4.	Y N	Sample received with Chain of Custody?	11.	Y N	Sample received in proper containers?
5.	Y N N/A	Does the Chain of Custody match sample ID's on the container(s)?	12.	Y N N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)
6.	Y N	Was sample received broken?	13.	Y N N/A	Was Internal COC/Workshare received?
7.	Y N	Is sample volume sufficient for analysis?	14.	Y N N/A	Was pH taken by original TestAmerica lab?

[1] For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes: X09-026-14
I09-037-23, 31
W09-003-392
393

Corrective Action:
☐ Client Contact Name: _____ Informed by: _____
☐ Sample(s) processed "as is"
☐ Sample(s) on hold until: _____ If released, notify: _____
Project Management Review: [signature] Date: 06-16-09

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

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CHPRC COR 120
SL799 83246

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I09-040-7

Collector: RT Sickle, CHPRC	Contact/Requester: Dana Widrig	Telephone No.: 509-376-2858 MSIN FAX
AF No.: I09-040	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 100HR3IAM(1/2), JUNE 2009	HNF-N-506 24 / 26	Ice Chest No.: GWS-055 Temp.: 31/lbs
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7966 9510 0038
Protocol: CERCLA	Priority: 45 Days	Offsite Property No.: N/A

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS Hold Time
100 Area Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B20M91 (F)		W	6-15-09	0907	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	6 Months	HNO3 to pH <2
B20M92		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	6 Months	HNO3 to pH <2
B20M92		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	28 Days/48 Hours	Cool~4C
B20M92		W			1x~~500~~ 1000-mL G/P	350.1_AMMONIA: Ammonia (1)	28 Days	H2SO4 to pH <2 Cool~4C
B20M92		W	6-15-09	0907	1x20-mL P	Activity Scan	6 Months	None

DAW 6-15-09

Relinquished By	Received By
Print: RT Sickle, CHPRC; Sign: [signature]; Date/Time: 1130 JUN 15 2009	Print: RD Julian, CHPRC; Sign: [signature]; Date/Time: 1130 JUN 15 2009
Print: RD Julian, CHPRC; Sign: [signature]; Date/Time: 1430 JUN 15 2009	Received By: FED EX; Date/Time: JUN 15 2009
Relinquished By: FEDEX; Date/Time:	Received By: [signature]; Date/Time: 6/16/09 0926
Relinquished By:	Received By:

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION: Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

TestAmerica St. Louis

SDG #: 0907226

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): F9F160241
242
120

CONDITION UPON RECEIPT FORM

Client: CHPLC

Quote No: 83246, 83245

COC/RFA No: below

Initiated By: HA Date: 6/16/09 Time: 0920

Shipping Information

Shipper: FedEx UPS DHL Courier Client Other: _____ Multiple Packages: Y N

Shipping # (s):*		Sample Temperature (s):**	
1. 7966 9510 0036	6.	1. 2	6.
2.	7.	2.	7.
3.	8.	3.	8.
4.	9.	4.	9.
5.	10.	5.	10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	Y N	Are there custody seals present on the cooler?	8.	Y N	Are there custody seals present on bottles?
2.	Y N N/A	Do custody seals on cooler appear to be tampered with?	9.	Y N N/A	Do custody seals on bottles appear to be tampered with?
3.	Y N	Were contents of cooler frisked after opening, but before unpacking?	10.	Y N N/A	Was sample received with proper pH[1]? (If not, make note below)
4.	Y N	Sample received with Chain of Custody?	11.	Y N	Sample received in proper containers?
5.	Y N N/A	Does the Chain of Custody match sample ID's on the container(s)?	12.	Y N N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)
6.	Y N	Was sample received broken?	13.	Y N N/A	Was Internal COC/Workshare received?
7.	Y N	Is sample volume sufficient for analysis?	14.	Y N N/A	Was pH taken by original TestAmerica lab?

[1] For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes: IOA-044-8
IOA-040-7

Corrective Action:
- ☐ Client Contact Name: _____ Informed by: _____
- ☐ Sample(s) processed "as is"
- ☐ Sample(s) on hold until: _____ If released, notify: _____

Project Management Review: [signature] Date: 06-19-09

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

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CHPRC SDN 120

SL799 83245

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I09-044-8

Collector: DJ Woehle CHPRC	Contact/Requester: Dana Widrig	Telephone No.: 509-376-2858 MSIN FAX
AF No.: I09-044	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: ISRM JUNE 2009	HNF-N-506- 22 / 45	Ice Chest No.: GWS-055 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7966 9510 0038
Protocol: CERCLA	Priority: 45 Days	Offsite Property No.: N/A

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS Hold Time
100 Area Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B20NM6		W	6/15/09	1218	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	28 Days/48 Hours	Cool~4C
B20NM6		W	↓	↓	1x20-mL P	Activity Scan	6 Months	None

6/15/09

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
DJ Woehle CHPRC			JUN 15 2009 1220	RD Julian CHPRC			JUN 15 2009 1220
RD Julian CHPRC			JUN 15 2009 1430	FED EX			
FedEx				Brian Daniels			6/16/09 0920

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time

TestAmerica St. Louis

TS 09 0226

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): F9F160241 242

CONDITION UPON RECEIPT FORM

Client: CHPRC

Quote No: 83246, 83245

COC/RFA No: below

120

Initiated By: M Date: 6/16/09 Time: 0920

Shipping Information

Shipper: FedEx UPS DHL Courier Client Other: _____ Multiple Packages: Y N

Shipping # (s):*

1. 7966 9510 0038
2.
3.
4.
5.
6.
7.
8.
9.
10.

Sample Temperature (s):**

1. 2
2.
3.
4.
5.
6.
7.
8.
9.
10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	Y N	Are there custody seals present on the cooler?	8.	Y N	Are there custody seals present on bottles?
2.	Y N N/A	Do custody seals on cooler appear to be tampered with?	9.	Y N N/A	Do custody seals on bottles appear to be tampered with?
3.	Y N	Were contents of cooler frisked after opening, but before unpacking?	10.	Y N N/A	Was sample received with proper pH[1]? (If not, make note below)
4.	Y N	Sample received with Chain of Custody?	11.	Y N	Sample received in proper containers?
5.	Y N N/A	Does the Chain of Custody match sample ID's on the container(s)?	12.	Y N N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)
6.	Y N	Was sample received broken?	13.	Y N N/A	Was Internal COC/Workshare received?
7.	Y N	Is sample volume sufficient for analysis?	14.	Y N N/A	Was pH taken by original TestAmerica lab?

[1] For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes: I09-044-8
I09-040-7

Corrective Action:

☐ Client Contact Name: _____ Informed by: _____

☐ Sample(s) processed "as is"

☐ Sample(s) on hold until: _____ If released, notify: _____

Project Management Review: [signature] Date: 06-19-09

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

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GC/MS VOLATILES

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20951

GC/MS Volatiles

Lot-Sample #...: F9F050186-001 **Work Order #...:** LEECW1AC **Matrix.....:** WATER
Date Sampled...: 06/02/09 **Date Received..:** 06/05/09
Prep Date.....: 06/08/09 **Analysis Date..:** 06/08/09
Prep Batch #...: 9160258
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.11
1,4-Dioxane	ND	80	ug/L	45
Ethylbenzene	ND	1.0	ug/L	0.11
Vinyl chloride	ND	2.0	ug/L	0.091
Acetone	ND	2.0	ug/L	0.42
Methylene chloride	**3.4 B**	**1.0**	**ug/L**	**0.10**
Carbon disulfide	ND	1.0	ug/L	0.52
1,1-Dichloroethane	ND	1.0	ug/L	0.083
2-Butanone	ND	5.0	ug/L	0.83
Chloroform	ND	1.0	ug/L	0.067
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.14
Propionitrile	ND	5.0	ug/L	2.1
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.081
1,1,1-Trichloroethane	ND	1.0	ug/L	0.088
Carbon tetrachloride	ND	1.0	ug/L	0.073
1,2-Dichloroethane	ND	1.0	ug/L	0.050
Benzene	ND	1.0	ug/L	0.060
Trichloroethene	ND	1.0	ug/L	0.091
4-Methyl-2-pentanone	ND	5.0	ug/L	0.32
1,1,2-Trichloroethane	ND	1.0	ug/L	0.071
Tetrachloroethene	ND T	1.0	ug/L	0.065
Tetrahydrofuran	ND T	10	ug/L	7.5
Xylenes (total)	ND	3.0	ug/L	0.22
1,4-Dichlorobenzene	ND	1.0	ug/L	0.11
1-Butanol	ND	40	ug/L	8.1
Toluene	ND T	1.0	ug/L	0.070

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	99	(76 - 116)
Dibromofluoromethane	112	(82 - 123)
1,2-Dichloroethane-d4	114	(71 - 132)
4-Bromofluorobenzene	89	(74 - 120)

NOTE(S):

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

T Spike sample recovery is outside control limits.

CH2M Hill Plateau Remediation DOE RL

B20951

GC/MS Volatiles

Lot-Sample #: F9F050186-001 **Work Order #:** LEECW1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20F54

GC/MS Volatiles

Lot-Sample #...: F9F050201-001 **Work Order #...:** LEEGJ1AC **Matrix.....:** WATER
Date Sampled...: 06/02/09 **Date Received..:** 06/05/09
Prep Date.....: 06/08/09 **Analysis Date..:** 06/08/09
Prep Batch #...: 9160258
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	4.2
Acrolein	ND	10	ug/L	2.6
Bromodichloromethane	**0.36 J**	**1.0**	**ug/L**	**0.098**
Bromoform	ND T	1.0	ug/L	0.15
Bromomethane	**0.17 J**	**2.0**	**ug/L**	**0.096**
Chlorobenzene	ND T	1.0	ug/L	0.060
Chloroprene	ND	1.0	ug/L	0.083
Dibromochloromethane	ND	1.0	ug/L	0.21
1,2-Dibromo-3-chloro-propane	ND T	1.0	ug/L	0.20
Chloroethane	ND	2.0	ug/L	0.085
Chloromethane	**0.45 J,T**	**2.0**	**ug/L**	**0.086**
Allyl chloride	ND	2.0	ug/L	0.12
1,2-Dibromoethane	ND	1.0	ug/L	0.098
Dibromomethane	ND	1.0	ug/L	0.095
trans-1,4-Dichloro-2-butene	ND T	2.0	ug/L	0.20
Dichlorodifluoromethane	ND	2.0	ug/L	0.058
1,1-Dichloroethene	ND	1.0	ug/L	0.11
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.21
1,2-Dichloropropane	ND	1.0	ug/L	0.054
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.099
trans-1,3-Dichloropropene	ND T	1.0	ug/L	0.23
1,4-Dioxane	ND	20	ug/L	45
Ethylbenzene	ND	1.0	ug/L	0.11
Ethyl methacrylate	ND	1.0	ug/L	0.74
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND	5.0	ug/L	1.3
Iodomethane	**0.16 J,B,T**	**2.0**	**ug/L**	**0.091**
Isobutanol	ND	80	ug/L	54
Methacrylonitrile	ND	5.0	ug/L	1.4
Methyl methacrylate	ND	1.0	ug/L	0.97
Styrene	ND	1.0	ug/L	0.042
1,1,1,2-Tetrachloroethane	ND T	1.0	ug/L	0.16
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.11
1,2,3-Trichloropropane	ND	1.0	ug/L	0.23
Vinyl acetate	ND	2.0	ug/L	0.23
Vinyl chloride	ND	2.0	ug/L	0.091

(Continued on next page)

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20F54

GC/MS Volatiles

Lot-Sample #...: F9F050201-001 **Work Order #...:** LEEGJ1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.42
Methylene chloride	ND	1.0	ug/L	0.10
Carbon disulfide	**5.7**	**1.0**	**ug/L**	**0.52**
1,1-Dichloroethane	ND	1.0	ug/L	0.083
2-Butanone	ND	5.0	ug/L	0.83
Chloroform	**11**	**1.0**	**ug/L**	**0.067**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.14
Propionitrile	ND	5.0	ug/L	2.1
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.081
1,1,1-Trichloroethane	ND	1.0	ug/L	0.088
1,2-Dichloroethane	ND	1.0	ug/L	0.050
Benzene	ND	1.0	ug/L	0.060
4-Methyl-2-pentanone	ND	5.0	ug/L	0.32
1,1,2-Trichloroethane	ND	1.0	ug/L	0.071
Tetrachloroethene	**0.74 J,B,T**	**1.0**	**ug/L**	**0.065**
Tetrahydrofuran	ND T	10	ug/L	7.5
Xylenes (total)	ND	3.0	ug/L	0.22
1,4-Dichlorobenzene	ND	1.0	ug/L	0.11
1-Butanol	ND	40	ug/L	8.1
Toluene	ND T	1.0	ug/L	0.070

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	99	(76 - 116)
Dibromofluoromethane	65 *	(82 - 123)
1,2-Dichloroethane-d4	115	(71 - 132)
4-Bromofluorobenzene	90	(74 - 120)

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

T Spike sample recovery is outside control limits.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CH2M Hill Plateau Remediation DOE RL

B20F54

GC/MS Volatiles

Lot-Sample #: F9F050201-001 **Work Order #:** LEEGJ1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20F54

GC/MS Volatiles

Lot-Sample #...: F9F050201-001 **Work Order #...:** LEEGJ2AC **Matrix.....:** WATER
Date Sampled...: 06/02/09 **Date Received..:** 06/05/09
Prep Date.....: 06/09/09 **Analysis Date..:** 06/09/09
Prep Batch #...: 9161533
Dilution Factor: 20 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Trichloroethene	ND	20	ug/L	1.8

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	98	(76 - 116)
Dibromofluoromethane	113	(82 - 123)
1,2-Dichloroethane-d4	117	(71 - 132)
4-Bromofluorobenzene	95	(74 - 120)

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20F54

GC/MS Volatiles

Lot-Sample #...:	F9F050201-001	**Work Order #...:**	LEEGJ3AC	**Matrix.....:**	WATER
Date Sampled...:	06/02/09	**Date Received..:**	06/05/09		
Prep Date.....:	06/09/09	**Analysis Date..:**	06/09/09		
Prep Batch #...:	9161533				
Dilution Factor:	200	**Method.....:**	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Carbon tetrachloride	**2600 D**	**200**	**ug/L**	**15**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(76 - 116)
Dibromofluoromethane	113	(82 - 123)
1,2-Dichloroethane-d4	116	(71 - 132)
4-Bromofluorobenzene	92	(74 - 120)

NOTE(S):

D Result was obtained from the analysis of a dilution.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20F55

GC/MS Volatiles

Lot-Sample #...: F9F050201-002 **Work Order #...:** LEEGL1AC **Matrix.....:** WATER
Date Sampled...: 06/02/09 **Date Received..:** 06/05/09
Prep Date.....: 06/08/09 **Analysis Date..:** 06/08/09
Prep Batch #...: 9160258
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	4.2
Acrolein	ND	10	ug/L	2.6
Bromodichloromethane	**0.43 J**	**1.0**	**ug/L**	**0.098**
Bromoform	ND T	1.0	ug/L	0.15
Bromomethane	**0.24 J**	**2.0**	**ug/L**	**0.096**
Chlorobenzene	ND T	1.0	ug/L	0.060
Chloroprene	ND	1.0	ug/L	0.083
Dibromochloromethane	ND	1.0	ug/L	0.21
1,2-Dibromo-3-chloro-propane	ND T	1.0	ug/L	0.20
Chloroethane	ND	2.0	ug/L	0.085
Chloromethane	**1.0 J,T**	**2.0**	**ug/L**	**0.086**
Allyl chloride	ND	2.0	ug/L	0.12
1,2-Dibromoethane	ND	1.0	ug/L	0.098
Dibromomethane	ND	1.0	ug/L	0.095
trans-1,4-Dichloro-2-butene	ND T	2.0	ug/L	0.20
Dichlorodifluoromethane	ND	2.0	ug/L	0.058
1,1-Dichloroethene	ND	1.0	ug/L	0.11
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.21
1,2-Dichloropropane	ND	1.0	ug/L	0.054
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.099
trans-1,3-Dichloropropene	ND T	1.0	ug/L	0.23
1,4-Dioxane	ND	20	ug/L	45
Ethylbenzene	ND	1.0	ug/L	0.11
Ethyl methacrylate	ND	1.0	ug/L	0.74
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND	5.0	ug/L	1.3
Iodomethane	ND T	2.0	ug/L	0.091
Isobutanol	ND	80	ug/L	54
Methacrylonitrile	ND	5.0	ug/L	1.4
Methyl methacrylate	ND	1.0	ug/L	0.97
Styrene	ND	1.0	ug/L	0.042
1,1,1,2-Tetrachloroethane	ND T	1.0	ug/L	0.16
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.11
1,2,3-Trichloropropane	ND	1.0	ug/L	0.23
Vinyl acetate	ND	2.0	ug/L	0.23
Vinyl chloride	ND	2.0	ug/L	0.091

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20F55

GC/MS Volatiles

Lot-Sample #...: F9F050201-002 **Work Order #...:** LEEGL1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.42
Methylene chloride	ND	1.0	ug/L	0.10
Carbon disulfide	**3.7**	**1.0**	**ug/L**	**0.52**
1,1-Dichloroethane	ND	1.0	ug/L	0.083
2-Butanone	ND	5.0	ug/L	0.83
Chloroform	**12**	**1.0**	**ug/L**	**0.067**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.14
Propionitrile	ND	5.0	ug/L	2.1
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.081
1,1,1-Trichloroethane	ND	1.0	ug/L	0.088
1,2-Dichloroethane	ND	1.0	ug/L	0.050
Benzene	ND	1.0	ug/L	0.060
4-Methyl-2-pentanone	ND	5.0	ug/L	0.32
1,1,2-Trichloroethane	ND	1.0	ug/L	0.071
Tetrachloroethene	**0.87 J,B,T**	**1.0**	**ug/L**	**0.065**
Tetrahydrofuran	ND T	10	ug/L	7.5
Xylenes (total)	ND	3.0	ug/L	0.22
1,4-Dichlorobenzene	ND	1.0	ug/L	0.11
1-Butanol	ND	40	ug/L	8.1
Toluene	ND T	1.0	ug/L	0.070

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	100	(76 - 116)
Dibromofluoromethane	65 *	(82 - 123)
1,2-Dichloroethane-d4	116	(71 - 132)
4-Bromofluorobenzene	94	(74 - 120)

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

T Spike sample recovery is outside control limits.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CH2M Hill Plateau Remediation DOE RL

B20F55

GC/MS Volatiles

Lot-Sample #: F9F050201-002 **Work Order #:** LEEGL1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20F55

GC/MS Volatiles

Lot-Sample #...:	F9F050201-002	Work Order #...:	LEEGL2AC	Matrix.....:	WATER
Date Sampled...:	06/02/09	Date Received..:	06/05/09		
Prep Date.....:	06/09/09	Analysis Date..:	06/09/09		
Prep Batch #...:	9161533				
Dilution Factor:	20	Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Trichloroethene	ND	20	ug/L	1.8

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(76 - 116)
Dibromofluoromethane	111	(82 - 123)
1,2-Dichloroethane-d4	115	(71 - 132)
4-Bromofluorobenzene	95	(74 - 120)

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20F55

GC/MS Volatiles

Lot-Sample #...: F9F050201-002 Work Order #...: LEEGL3AC Matrix.....: WATER
Date Sampled...: 06/02/09 Date Received..: 06/05/09
Prep Date.....: 06/09/09 Analysis Date..: 06/09/09
Prep Batch #...: 9161533
Dilution Factor: 200 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Carbon tetrachloride	2700 D	200	ug/L	15

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(76 - 116)
Dibromofluoromethane	112	(82 - 123)
1,2-Dichloroethane-d4	116	(71 - 132)
4-Bromofluorobenzene	93	(74 - 120)

NOTE(S):

D Result was obtained from the analysis of a dilution.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20DW8

GC/MS Volatiles

Lot-Sample #...: F9F100245-001 **Work Order #...:** LEM3D1AC **Matrix.....:** WATER
Date Sampled...: 06/05/09 **Date Received..:** 06/10/09
Prep Date.....: 06/11/09 **Analysis Date..:** 06/11/09
Prep Batch #...: 9166250
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	4.2
Acrolein	ND	10	ug/L	2.6
Bromodichloromethane	ND	1.0	ug/L	0.098
Bromoform	ND	1.0	ug/L	0.15
Bromomethane	ND	2.0	ug/L	0.096
Chlorobenzene	ND	1.0	ug/L	0.060
Chloroprene	ND	1.0	ug/L	0.083
Dibromochloromethane	ND	1.0	ug/L	0.21
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.20
Chloroethane	ND	2.0	ug/L	0.085
Chloromethane	ND	2.0	ug/L	0.086
Allyl chloride	ND	2.0	ug/L	0.12
1,2-Dibromoethane	ND	1.0	ug/L	0.098
Dibromomethane	ND	1.0	ug/L	0.095
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.20
Dichlorodifluoromethane	ND	2.0	ug/L	0.058
1,1-Dichloroethene	ND	1.0	ug/L	0.11
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.21
1,2-Dichloropropane	ND	1.0	ug/L	0.054
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.099
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.23
1,4-Dioxane	ND	20	ug/L	45
Ethylbenzene	ND	1.0	ug/L	0.11
Ethyl methacrylate	ND	1.0	ug/L	0.74
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND	5.0	ug/L	1.3
Iodomethane	ND	2.0	ug/L	0.091
Isobutanol	ND	80	ug/L	54
Methacrylonitrile	ND	5.0	ug/L	1.4
Methyl methacrylate	ND	1.0	ug/L	0.97
Styrene	ND	1.0	ug/L	0.042
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.16
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.11
1,2,3-Trichloropropane	ND	1.0	ug/L	0.23
Vinyl acetate	ND	2.0	ug/L	0.23
Vinyl chloride	ND	2.0	ug/L	0.091

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20DW8

GC/MS Volatiles

Lot-Sample #...: F9F100245-001 **Work Order #...:** LEM3D1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.42
Methylene chloride	ND	1.0	ug/L	0.10
Carbon disulfide	ND	1.0	ug/L	0.52
1,1-Dichloroethane	ND	1.0	ug/L	0.083
2-Butanone	ND	5.0	ug/L	0.83
Chloroform	**3.2**	**1.0**	**ug/L**	**0.067**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.14
Propionitrile	ND	5.0	ug/L	2.1
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.081
1,1,1-Trichloroethane	ND	1.0	ug/L	0.088
1,2-Dichloroethane	ND	1.0	ug/L	0.050
Benzene	ND	1.0	ug/L	0.060
Trichloroethene	**0.65 J**	**1.0**	**ug/L**	**0.091**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.32
1,1,2-Trichloroethane	ND	1.0	ug/L	0.071
Tetrachloroethene	ND	1.0	ug/L	0.065
Tetrahydrofuran	ND	10	ug/L	7.5
Xylenes (total)	ND	3.0	ug/L	0.22
1,4-Dichlorobenzene	ND	1.0	ug/L	0.11
1-Butanol	ND	40	ug/L	8.1
Toluene	ND	1.0	ug/L	0.070

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(76 - 116)
Dibromofluoromethane	96	(82 - 123)
1,2-Dichloroethane-d4	95	(71 - 132)
4-Bromofluorobenzene	100	(74 - 120)

NOTE(S):

J Estimated result. Result is less than RL.

CH2M Hill Plateau Remediation DOE RL

B20DW8

GC/MS Volatiles

Lot-Sample #: F9F100245-001 **Work Order #:** LEM3D1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20DW8

GC/MS Volatiles

Lot-Sample #...:	F9F100245-001	**Work Order #...:**	LEM3D2AC	**Matrix.....:**	WATER
Date Sampled...:	06/05/09	**Date Received..:**	06/10/09		
Prep Date.....:	06/15/09	**Analysis Date..:**	06/15/09		
Prep Batch #...:	9169523				
Dilution Factor:	10	**Method.....:**	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Carbon tetrachloride	**120 D**	**10**	**ug/L**	**0.73**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	94	(76 - 116)
Dibromofluoromethane	96	(82 - 123)
1,2-Dichloroethane-d4	96	(71 - 132)
4-Bromofluorobenzene	98	(74 - 120)

NOTE(S):

D Result was obtained from the analysis of a dilution.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20DY7

GC/MS Volatiles

Lot-Sample #...: F9F100245-002 **Work Order #...:** LEM3F1AC **Matrix.....:** WATER
Date Sampled...: 06/08/09 **Date Received..:** 06/10/09
Prep Date.....: 06/11/09 **Analysis Date..:** 06/11/09
Prep Batch #...: 9166250
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	4.2
Acrolein	ND	10	ug/L	2.6
Bromodichloromethane	**0.15 J**	**1.0**	**ug/L**	**0.098**
Bromoform	ND	1.0	ug/L	0.15
Bromomethane	ND	2.0	ug/L	0.096
Chlorobenzene	ND	1.0	ug/L	0.060
Chloroprene	ND	1.0	ug/L	0.083
Dibromochloromethane	ND	1.0	ug/L	0.21
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.20
Chloroethane	ND	2.0	ug/L	0.085
Chloromethane	ND	2.0	ug/L	0.086
Allyl chloride	ND	2.0	ug/L	0.12
1,2-Dibromoethane	ND	1.0	ug/L	0.098
Dibromomethane	ND	1.0	ug/L	0.095
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.20
Dichlorodifluoromethane	ND	2.0	ug/L	0.058
1,1-Dichloroethene	ND	1.0	ug/L	0.11
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.21
1,2-Dichloropropane	ND	1.0	ug/L	0.054
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.099
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.23
1,4-Dioxane	ND	20	ug/L	45
Ethylbenzene	ND	1.0	ug/L	0.11
Ethyl methacrylate	ND	1.0	ug/L	0.74
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND	5.0	ug/L	1.3
Iodomethane	ND	2.0	ug/L	0.091
Isobutanol	ND	80	ug/L	54
Methacrylonitrile	ND	5.0	ug/L	1.4
Methyl methacrylate	ND	1.0	ug/L	0.97
Styrene	ND	1.0	ug/L	0.042
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.16
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.11
1,2,3-Trichloropropane	ND	1.0	ug/L	0.23
Vinyl acetate	ND	2.0	ug/L	0.23
Vinyl chloride	ND	2.0	ug/L	0.091

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20DY7

GC/MS Volatiles

Lot-Sample #...: F9F100245-002 **Work Order #...:** LEM3F1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.42
Methylene chloride	ND	1.0	ug/L	0.10
Carbon disulfide	ND	1.0	ug/L	0.52
1,1-Dichloroethane	ND	1.0	ug/L	0.083
2-Butanone	ND	5.0	ug/L	0.83
Chloroform	**7.5**	**1.0**	**ug/L**	**0.067**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.14
Propionitrile	ND	5.0	ug/L	2.1
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.081
1,1,1-Trichloroethane	ND	1.0	ug/L	0.088
1,2-Dichloroethane	ND	1.0	ug/L	0.050
Benzene	ND	1.0	ug/L	0.060
Trichloroethene	**6.1**	**1.0**	**ug/L**	**0.091**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.32
1,1,2-Trichloroethane	ND	1.0	ug/L	0.071
Tetrachloroethene	ND	1.0	ug/L	0.065
Tetrahydrofuran	ND	10	ug/L	7.5
Xylenes (total)	ND	3.0	ug/L	0.22
1,4-Dichlorobenzene	ND	1.0	ug/L	0.11
1-Butanol	ND	40	ug/L	8.1
Toluene	ND	1.0	ug/L	0.070

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	98	(76 - 116)
Dibromofluoromethane	90	(82 - 123)
1,2-Dichloroethane-d4	93	(71 - 132)
4-Bromofluorobenzene	99	(74 - 120)

NOTE(S):

J Estimated result. Result is less than RL.

CH2M Hill Plateau Remediation DOE RL

B20DY7

GC/MS Volatiles

Lot-Sample #: F9F100245-002 **Work Order #:** LEM3F1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20DY7

GC/MS Volatiles

Lot-Sample #...:	F9F100245-002	**Work Order #...:**	LEM3F2AC	**Matrix.....:**	WATER
Date Sampled...:	06/08/09	**Date Received..:**	06/10/09		
Prep Date.....:	06/15/09	**Analysis Date..:**	06/15/09		
Prep Batch #...:	9169523				
Dilution Factor:	50	**Method.....:**	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Carbon tetrachloride	**530 D**	**50**	**ug/L**	**3.6**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	94	(76 - 116)
Dibromofluoromethane	96	(82 - 123)
1,2-Dichloroethane-d4	94	(71 - 132)
4-Bromofluorobenzene	99	(74 - 120)

NOTE(S):

D Result was obtained from the analysis of a dilution.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20DX4

GC/MS Volatiles

Lot-Sample #...: F9F100245-003 **Work Order #...:** LEM3H1AC **Matrix.....:** WATER
Date Sampled...: 06/08/09 **Date Received..:** 06/10/09
Prep Date.....: 06/11/09 **Analysis Date..:** 06/11/09
Prep Batch #...: 9166250
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	4.2
Acrolein	ND	10	ug/L	2.6
Bromodichloromethane	ND	1.0	ug/L	0.098
Bromoform	ND	1.0	ug/L	0.15
Bromomethane	ND	2.0	ug/L	0.096
Chlorobenzene	ND	1.0	ug/L	0.060
Chloroprene	ND	1.0	ug/L	0.083
Dibromochloromethane	ND	1.0	ug/L	0.21
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.20
Chloroethane	ND	2.0	ug/L	0.085
Chloromethane	ND	2.0	ug/L	0.086
Allyl chloride	ND	2.0	ug/L	0.12
1,2-Dibromoethane	ND	1.0	ug/L	0.098
Dibromomethane	ND	1.0	ug/L	0.095
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.20
Dichlorodifluoromethane	ND	2.0	ug/L	0.058
1,1-Dichloroethene	ND	1.0	ug/L	0.11
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.21
1,2-Dichloropropane	ND	1.0	ug/L	0.054
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.099
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.23
1,4-Dioxane	ND	20	ug/L	45
Ethylbenzene	ND	1.0	ug/L	0.11
Ethyl methacrylate	ND	1.0	ug/L	0.74
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND	5.0	ug/L	1.3
Iodomethane	ND	2.0	ug/L	0.091
Isobutanol	ND	80	ug/L	54
Methacrylonitrile	ND	5.0	ug/L	1.4
Methyl methacrylate	ND	1.0	ug/L	0.97
Styrene	ND	1.0	ug/L	0.042
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.16
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.11
1,2,3-Trichloropropane	ND	1.0	ug/L	0.23
Vinyl acetate	ND	2.0	ug/L	0.23
Vinyl chloride	ND	2.0	ug/L	0.091

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20DX4

GC/MS Volatiles

Lot-Sample #...: F9F100245-003 **Work Order #...:** LEM3H1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.42
Methylene chloride	ND	1.0	ug/L	0.10
Carbon disulfide	ND	1.0	ug/L	0.52
1,1-Dichloroethane	ND	1.0	ug/L	0.083
2-Butanone	ND	5.0	ug/L	0.83
Chloroform	**0.75 J**	**1.0**	**ug/L**	**0.067**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.14
Propionitrile	ND	5.0	ug/L	2.1
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.081
1,1,1-Trichloroethane	ND	1.0	ug/L	0.088
Carbon tetrachloride	**0.69 J**	**1.0**	**ug/L**	**0.073**
1,2-Dichloroethane	ND	1.0	ug/L	0.050
Benzene	ND	1.0	ug/L	0.060
Trichloroethene	ND	1.0	ug/L	0.091
4-Methyl-2-pentanone	ND	5.0	ug/L	0.32
1,1,2-Trichloroethane	ND	1.0	ug/L	0.071
Tetrachloroethene	ND	1.0	ug/L	0.065
Tetrahydrofuran	ND	10	ug/L	7.5
Xylenes (total)	ND	3.0	ug/L	0.22
1,4-Dichlorobenzene	ND	1.0	ug/L	0.11
1-Butanol	ND	40	ug/L	8.1
Toluene	ND	1.0	ug/L	0.070

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	95	(76 - 116)
Dibromofluoromethane	97	(82 - 123)
1,2-Dichloroethane-d4	92	(71 - 132)
4-Bromofluorobenzene	101	(74 - 120)

NOTE(S):

J Estimated result. Result is less than RL.

CH2M Hill Plateau Remediation DOE RL

B20DX4

GC/MS Volatiles

Lot-Sample #: F9F100245-003 **Work Order #:** LEM3H1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20950

GC/MS Volatiles

Lot-Sample #...: F9F100249-001 **Work Order #...:** LEM3M1AC **Matrix.....:** WATER
Date Sampled...: 06/05/09 **Date Received..:** 06/10/09
Prep Date.....: 06/15/09 **Analysis Date..:** 06/15/09
Prep Batch #...: 9169523
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.11
1,4-Dioxane	ND	80	ug/L	45
Ethylbenzene	ND	1.0	ug/L	0.11
Vinyl chloride	ND	2.0	ug/L	0.091
Acetone	ND	2.0	ug/L	0.42
Methylene chloride	**18 B**	**1.0**	**ug/L**	**0.10**
Carbon disulfide	ND	1.0	ug/L	0.52
1,1-Dichloroethane	ND	1.0	ug/L	0.083
2-Butanone	ND	5.0	ug/L	0.83
Chloroform	ND	1.0	ug/L	0.067
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.14
Propionitrile	ND	5.0	ug/L	2.1
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.081
1,1,1-Trichloroethane	ND	1.0	ug/L	0.088
Carbon tetrachloride	ND	1.0	ug/L	0.073
1,2-Dichloroethane	ND	1.0	ug/L	0.050
Benzene	ND	1.0	ug/L	0.060
Trichloroethene	ND	1.0	ug/L	0.091
4-Methyl-2-pentanone	ND	5.0	ug/L	0.32
1,1,2-Trichloroethane	ND	1.0	ug/L	0.071
Tetrachloroethene	ND	1.0	ug/L	0.065
Tetrahydrofuran	ND	10	ug/L	7.5
Xylenes (total)	ND	3.0	ug/L	0.22
1,4-Dichlorobenzene	ND	1.0	ug/L	0.11
1-Butanol	ND	40	ug/L	8.1
Toluene	ND	1.0	ug/L	0.070

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	92	(76 - 116)
Dibromofluoromethane	92	(82 - 123)
1,2-Dichloroethane-d4	96	(71 - 132)
4-Bromofluorobenzene	97	(74 - 120)

NOTE(S):

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CH2M Hill Plateau Remediation DOE RL

B20950

GC/MS Volatiles

Lot-Sample #: F9F100249-001 **Work Order #:** LEM3M1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20952

GC/MS Volatiles

Lot-Sample #...: F9F100249-002 **Work Order #...:** LEM3P1AC **Matrix.....:** WATER
Date Sampled...: 06/08/09 **Date Received..:** 06/10/09
Prep Date.....: 06/15/09 **Analysis Date..:** 06/15/09
Prep Batch #...: 9169523
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.11
1,4-Dioxane	ND	80	ug/L	45
Ethylbenzene	ND	1.0	ug/L	0.11
Vinyl chloride	ND	2.0	ug/L	0.091
Acetone	ND	2.0	ug/L	0.42
Methylene chloride	**3.8 B**	**1.0**	**ug/L**	**0.10**
Carbon disulfide	ND	1.0	ug/L	0.52
1,1-Dichloroethane	ND	1.0	ug/L	0.083
2-Butanone	ND	5.0	ug/L	0.83
Chloroform	ND	1.0	ug/L	0.067
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.14
Propionitrile	ND	5.0	ug/L	2.1
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.081
1,1,1-Trichloroethane	ND	1.0	ug/L	0.088
Carbon tetrachloride	ND	1.0	ug/L	0.073
1,2-Dichloroethane	ND	1.0	ug/L	0.050
Benzene	ND	1.0	ug/L	0.060
Trichloroethene	ND	1.0	ug/L	0.091
4-Methyl-2-pentanone	ND	5.0	ug/L	0.32
1,1,2-Trichloroethane	ND	1.0	ug/L	0.071
Tetrachloroethene	ND	1.0	ug/L	0.065
Tetrahydrofuran	ND	10	ug/L	7.5
Xylenes (total)	ND	3.0	ug/L	0.22
1,4-Dichlorobenzene	ND	1.0	ug/L	0.11
1-Butanol	ND	40	ug/L	8.1
Toluene	ND	1.0	ug/L	0.070

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	91	(76 - 116)
Dibromofluoromethane	95	(82 - 123)
1,2-Dichloroethane-d4	96	(71 - 132)
4-Bromofluorobenzene	100	(74 - 120)

NOTE(S):

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CH2M Hill Plateau Remediation DOE RL

B20952

GC/MS Volatiles

Lot-Sample #: F9F100249-002 **Work Order #:** LEM3P1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20DY3

GC/MS Volatiles

Lot-Sample #...: F9F120295-001 **Work Order #...:** LEVA01AC **Matrix.....:** WATER
Date Sampled...: 06/09/09 **Date Received..:** 06/12/09
Prep Date.....: 06/15/09 **Analysis Date..:** 06/15/09
Prep Batch #...: 9169523
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	4.2
Acrolein	ND	10	ug/L	2.6
Bromodichloromethane	ND	1.0	ug/L	0.098
Bromoform	ND	1.0	ug/L	0.15
Bromomethane	ND	2.0	ug/L	0.096
Chlorobenzene	ND	1.0	ug/L	0.060
Chloroprene	ND	1.0	ug/L	0.083
Dibromochloromethane	ND	1.0	ug/L	0.21
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.20
Chloroethane	ND	2.0	ug/L	0.085
Chloromethane	ND	2.0	ug/L	0.086
Allyl chloride	ND	2.0	ug/L	0.12
1,2-Dibromoethane	ND	1.0	ug/L	0.098
Dibromomethane	ND	1.0	ug/L	0.095
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.20
Dichlorodifluoromethane	ND	2.0	ug/L	0.058
1,1-Dichloroethene	ND	1.0	ug/L	0.11
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.21
1,2-Dichloropropane	ND	1.0	ug/L	0.054
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.099
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.23
1,4-Dioxane	ND	80	ug/L	45
Ethylbenzene	ND	1.0	ug/L	0.11
Ethyl methacrylate	ND	1.0	ug/L	0.74
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND	5.0	ug/L	1.3
Iodomethane	ND	2.0	ug/L	0.091
Isobutanol	ND	80	ug/L	54
Methacrylonitrile	ND	5.0	ug/L	1.4
Methyl methacrylate	ND	1.0	ug/L	0.97
Styrene	ND	1.0	ug/L	0.042
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.16
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.11
1,2,3-Trichloropropane	ND	1.0	ug/L	0.23
Vinyl acetate	ND	2.0	ug/L	0.23
Vinyl chloride	ND	2.0	ug/L	0.091

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20DY3

GC/MS Volatiles

Lot-Sample #...: F9F120295-001 **Work Order #...:** LEVA01AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.42
Methylene chloride	ND	1.0	ug/L	0.10
Carbon disulfide	ND	1.0	ug/L	0.52
1,1-Dichloroethane	ND	1.0	ug/L	0.083
2-Butanone	ND	5.0	ug/L	0.83
Chloroform	**2.6**	**1.0**	**ug/L**	**0.067**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.14
Propionitrile	ND	5.0	ug/L	2.1
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.081
1,1,1-Trichloroethane	ND	1.0	ug/L	0.088
Carbon tetrachloride	**11**	**1.0**	**ug/L**	**0.073**
1,2-Dichloroethane	ND	1.0	ug/L	0.050
Benzene	ND	1.0	ug/L	0.060
Trichloroethene	**0.36 J**	**1.0**	**ug/L**	**0.091**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.32
1,1,2-Trichloroethane	ND	1.0	ug/L	0.071
Tetrachloroethene	ND	1.0	ug/L	0.065
Tetrahydrofuran	ND	10	ug/L	7.5
Xylenes (total)	ND	3.0	ug/L	0.22
1,4-Dichlorobenzene	ND	1.0	ug/L	0.11
1-Butanol	ND	40	ug/L	8.1
Toluene	ND	1.0	ug/L	0.070

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	93	(76 - 116)
Dibromofluoromethane	99	(82 - 123)
1,2-Dichloroethane-d4	95	(71 - 132)
4-Bromofluorobenzene	101	(74 - 120)

NOTE(S):

J Estimated result. Result is less than RL.

CH2M Hill Plateau Remediation DOE RL

B20DY3

GC/MS Volatiles

Lot-Sample #: F9F120295-001 **Work Order #:** LEVA01AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20F01

GC/MS Volatiles

Lot-Sample #...: F9F120295-002 **Work Order #...:** LEVA31AC **Matrix.....:** WATER
Date Sampled...: 06/09/09 **Date Received..:** 06/12/09
Prep Date.....: 06/15/09 **Analysis Date..:** 06/15/09
Prep Batch #...: 9169523
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	4.2
Acrolein	ND	10	ug/L	2.6
Bromodichloromethane	ND	1.0	ug/L	0.098
Bromoform	ND	1.0	ug/L	0.15
Bromomethane	ND	2.0	ug/L	0.096
Chlorobenzene	ND	1.0	ug/L	0.060
Chloroprene	ND	1.0	ug/L	0.083
Dibromochloromethane	ND	1.0	ug/L	0.21
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.20
Chloroethane	ND	2.0	ug/L	0.085
Chloromethane	ND	2.0	ug/L	0.086
Allyl chloride	ND	2.0	ug/L	0.12
1,2-Dibromoethane	ND	1.0	ug/L	0.098
Dibromomethane	ND	1.0	ug/L	0.095
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.20
Dichlorodifluoromethane	ND	2.0	ug/L	0.058
1,1-Dichloroethene	ND	1.0	ug/L	0.11
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.21
1,2-Dichloropropane	ND	1.0	ug/L	0.054
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.099
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.23
1,4-Dioxane	ND	80	ug/L	45
Ethylbenzene	ND	1.0	ug/L	0.11
Ethyl methacrylate	ND	1.0	ug/L	0.74
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND	5.0	ug/L	1.3
Iodomethane	ND	2.0	ug/L	0.091
Isobutanol	ND	80	ug/L	54
Methacrylonitrile	ND	5.0	ug/L	1.4
Methyl methacrylate	ND	1.0	ug/L	0.97
Styrene	ND	1.0	ug/L	0.042
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.16
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.11
1,2,3-Trichloropropane	ND	1.0	ug/L	0.23
Vinyl acetate	ND	2.0	ug/L	0.23
Vinyl chloride	ND	2.0	ug/L	0.091

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20F01

GC/MS Volatiles

Lot-Sample #...: F9F120295-002 **Work Order #...:** LEVA31AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.42
Methylene chloride	ND	1.0	ug/L	0.10
Carbon disulfide	ND	1.0	ug/L	0.52
1,1-Dichloroethane	ND	1.0	ug/L	0.083
2-Butanone	ND	5.0	ug/L	0.83
Chloroform	**2.3**	**1.0**	**ug/L**	**0.067**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.14
Propionitrile	ND	5.0	ug/L	2.1
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.081
1,1,1-Trichloroethane	ND	1.0	ug/L	0.088
Carbon tetrachloride	**21**	**1.0**	**ug/L**	**0.073**
1,2-Dichloroethane	ND	1.0	ug/L	0.050
Benzene	ND	1.0	ug/L	0.060
Trichloroethene	**4.3**	**1.0**	**ug/L**	**0.091**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.32
1,1,2-Trichloroethane	ND	1.0	ug/L	0.071
Tetrachloroethene	ND	1.0	ug/L	0.065
Tetrahydrofuran	ND	10	ug/L	7.5
Xylenes (total)	ND	3.0	ug/L	0.22
1,4-Dichlorobenzene	ND	1.0	ug/L	0.11
1-Butanol	ND	40	ug/L	8.1
Toluene	ND	1.0	ug/L	0.070

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	95	(76 - 116)
Dibromofluoromethane	94	(82 - 123)
1,2-Dichloroethane-d4	95	(71 - 132)
4-Bromofluorobenzene	97	(74 - 120)

CH2M Hill Plateau Remediation DOE RL

B20F01

GC/MS Volatiles

Lot-Sample #: F9F120295-002 **Work Order #:** LEVA31AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20953

GC/MS Volatiles

Lot-Sample #...: F9F120298-001 **Work Order #...:** LEVA71AC **Matrix.....:** WATER
Date Sampled...: 06/09/09 **Date Received..:** 06/12/09
Prep Date.....: 06/18/09 **Analysis Date..:** 06/18/09
Prep Batch #...: 9173097
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.11
1,4-Dioxane	ND	80	ug/L	45
Ethylbenzene	ND	1.0	ug/L	0.11
Vinyl chloride	ND	2.0	ug/L	0.091
Acetone	ND	2.0	ug/L	0.42
Methylene chloride	**29**	**1.0**	**ug/L**	**0.10**
Carbon disulfide	ND	1.0	ug/L	0.52
1,1-Dichloroethane	ND	1.0	ug/L	0.083
2-Butanone	ND	5.0	ug/L	0.83
Chloroform	ND	1.0	ug/L	0.067
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.14
Propionitrile	ND	5.0	ug/L	2.1
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.081
1,1,1-Trichloroethane	ND	1.0	ug/L	0.088
Carbon tetrachloride	ND	1.0	ug/L	0.073
1,2-Dichloroethane	ND	1.0	ug/L	0.050
Benzene	ND	1.0	ug/L	0.060
Trichloroethene	ND	1.0	ug/L	0.091
4-Methyl-2-pentanone	ND	5.0	ug/L	0.32
1,1,2-Trichloroethane	ND	1.0	ug/L	0.071
Tetrachloroethene	ND	1.0	ug/L	0.065
Tetrahydrofuran	ND	10	ug/L	7.5
Xylenes (total)	ND	3.0	ug/L	0.22
1,4-Dichlorobenzene	ND	1.0	ug/L	0.11
1-Butanol	ND	40	ug/L	8.1
Toluene	ND	1.0	ug/L	0.070

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	92	(76 - 116)
Dibromofluoromethane	97	(82 - 123)
1,2-Dichloroethane-d4	103	(71 - 132)
4-Bromofluorobenzene	99	(74 - 120)

CH2M Hill Plateau Remediation DOE RL

B20953

GC/MS Volatiles

Lot-Sample #: F9F120298-001 **Work Order #:** LEVA71AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20954

GC/MS Volatiles

Lot-Sample #...: F9F120298-002 **Work Order #...:** LEVA91AC **Matrix.....:** WATER
Date Sampled...: 06/10/09 **Date Received..:** 06/12/09
Prep Date.....: 06/18/09 **Analysis Date..:** 06/18/09
Prep Batch #...: 9173097
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.11
1,4-Dioxane	ND	80	ug/L	45
Ethylbenzene	ND	1.0	ug/L	0.11
Vinyl chloride	ND	2.0	ug/L	0.091
Acetone	ND	2.0	ug/L	0.42
Methylene chloride	**3.2**	**1.0**	**ug/L**	**0.10**
Carbon disulfide	ND	1.0	ug/L	0.52
1,1-Dichloroethane	ND	1.0	ug/L	0.083
2-Butanone	ND	5.0	ug/L	0.83
Chloroform	ND	1.0	ug/L	0.067
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.14
Propionitrile	ND	5.0	ug/L	2.1
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.081
1,1,1-Trichloroethane	ND	1.0	ug/L	0.088
Carbon tetrachloride	ND	1.0	ug/L	0.073
1,2-Dichloroethane	ND	1.0	ug/L	0.050
Benzene	ND	1.0	ug/L	0.060
Trichloroethene	ND	1.0	ug/L	0.091
4-Methyl-2-pentanone	ND	5.0	ug/L	0.32
1,1,2-Trichloroethane	ND	1.0	ug/L	0.071
Tetrachloroethene	ND	1.0	ug/L	0.065
Tetrahydrofuran	ND	10	ug/L	7.5
Xylenes (total)	ND	3.0	ug/L	0.22
1,4-Dichlorobenzene	ND	1.0	ug/L	0.11
1-Butanol	ND	40	ug/L	8.1
Toluene	ND	1.0	ug/L	0.070

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	89	(76 - 116)
Dibromofluoromethane	97	(82 - 123)
1,2-Dichloroethane-d4	100	(71 - 132)
4-Bromofluorobenzene	100	(74 - 120)

CH2M Hill Plateau Remediation DOE RL

B20954

GC/MS Volatiles

Lot-Sample #: F9F120298-002 **Work Order #:** LEVA91AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL799 **Work Order #...:** LEJ351AA **Matrix.....:** WATER
MB Lot-Sample #: F9F090000-258

Prep Date.....: 06/08/09
Analysis Date..: 06/08/09 **Prep Batch #...:** 9160258
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetonitrile	ND	5.0	ug/L	SW846 8260B
Acrolein	ND	10	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
Allyl chloride	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	2.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	20	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	**0.29 J**	**2.0**	**ug/L**	**SW846 8260B**
Isobutanol	ND	80	ug/L	SW846 8260B
Methacrylonitrile	ND	5.0	ug/L	SW846 8260B
Methyl methacrylate	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	2.0	ug/L	SW846 8260B
Acetone	ND	2.0	ug/L	SW846 8260B
Methylene chloride	**0.15 J**	**1.0**	**ug/L**	**SW846 8260B**

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL799 **Work Order #...:** LEJ351AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Propionitrile	ND	5.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	**0.077 J**	**1.0**	**ug/L**	**SW846 8260B**
Tetrahydrofuran	ND	10	ug/L	SW846 8260B
Xylenes (total)	ND	3.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1-Butanol	ND	40	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	98	(76 - 116)
Dibromofluoromethane	108	(82 - 123)
1,2-Dichloroethane-d4	112	(71 - 132)
4-Bromofluorobenzene	86	(74 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

CH2M Hill Plateau Remediation DOE RL

Method Blank Report

GC/MS Volatiles

Lot-Sample #: F9F090000-258 B **Work Order #:** LEJ351AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL799 **Work Order #...:** LENHG1AA **Matrix.....:** WATER
MB Lot-Sample #: F9F100000-533

Prep Date.....: 06/09/09
Analysis Date..: 06/09/09 **Prep Batch #...:** 9161533
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	94	(76 - 116)
Dibromofluoromethane	103	(82 - 123)
1,2-Dichloroethane-d4	110	(71 - 132)
4-Bromofluorobenzene	96	(74 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL799 **Work Order #...:** LE0TD1AA **Matrix.....:** WATER
MB Lot-Sample #: F9F150000-250

Prep Date.....: 06/11/09
Analysis Date..: 06/11/09 **Prep Batch #...:** 9166250
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetonitrile	ND	5.0	ug/L	SW846 8260B
Acrolein	ND	10	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
Allyl chloride	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	2.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	20	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	2.0	ug/L	SW846 8260B
Isobutanol	ND	80	ug/L	SW846 8260B
Methacrylonitrile	ND	5.0	ug/L	SW846 8260B
Methyl methacrylate	ND	1.0	ug/L	SW846 8260B
Styrene	**0.060 J**	**1.0**	**ug/L**	**SW846 8260B**
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	2.0	ug/L	SW846 8260B
Acetone	ND	2.0	ug/L	SW846 8260B
Methylene chloride	**0.17 J**	**1.0**	**ug/L**	**SW846 8260B**

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL799 **Work Order #...:** LE0TD1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Propionitrile	ND	5.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Tetrahydrofuran	ND	10	ug/L	SW846 8260B
Xylenes (total)	ND	3.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1-Butanol	ND	40	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	95	(76 - 116)
Dibromofluoromethane	96	(82 - 123)
1,2-Dichloroethane-d4	94	(71 - 132)
4-Bromofluorobenzene	102	(74 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

CH2M Hill Plateau Remediation DOE RL

Method Blank Report

GC/MS Volatiles

Lot-Sample #: F9F150000-250 B **Work Order #:** LE0TD1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL799 **Work Order #...:** LE7051AA **Matrix.....:** WATER
MB Lot-Sample #: F9F180000-523

Prep Date.....: 06/15/09
Analysis Date..: 06/15/09 **Prep Batch #...:** 9169523
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	80	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Acetonitrile	ND	5.0	ug/L	SW846 8260B
Acrolein	ND	10	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
Allyl chloride	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	2.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	2.0	ug/L	SW846 8260B
Isobutanol	ND	80	ug/L	SW846 8260B
Methacrylonitrile	ND	5.0	ug/L	SW846 8260B
Methyl methacrylate	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	2.0	ug/L	SW846 8260B
Acetone	ND	2.0	ug/L	SW846 8260B
Methylene chloride	**0.10 J**	**1.0**	**ug/L**	**SW846 8260B**

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL799 **Work Order #...:** LE7051AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Propionitrile	ND	5.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Tetrahydrofuran	ND	10	ug/L	SW846 8260B
Xylenes (total)	ND	3.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1-Butanol	ND	40	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	93	(72 - 117)
Dibromofluoromethane	95	(66 - 137)
1,2-Dichloroethane-d4	94	(58 - 144)
4-Bromofluorobenzene	102	(68 - 127)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

CH2M Hill Plateau Remediation DOE RL

Method Blank Report

GC/MS Volatiles

Lot-Sample #: F9F180000-523 B **Work Order #:** LE7051AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL799 **Work Order #...:** LFD5L1AA **Matrix.....:** WATER
MB Lot-Sample #: F9F220000-097

Prep Date.....: 06/18/09
Analysis Date..: 06/18/09 **Prep Batch #...:** 9173097
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	80	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	2.0	ug/L	SW846 8260B
Acetone	ND	2.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Propionitrile	ND	5.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Tetrahydrofuran	ND	10	ug/L	SW846 8260B
Xylenes (total)	ND	3.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1-Butanol	ND	40	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	91	(72 - 117)
Dibromofluoromethane	95	(66 - 137)
1,2-Dichloroethane-d4	99	(58 - 144)
4-Bromofluorobenzene	99	(68 - 127)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

CH2M Hill Plateau Remediation DOE RL

Method Blank Report

GC/MS Volatiles

Lot-Sample #: F9F220000-097 B **Work Order #:** LFD5L1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL799 Work Order #...: LEJ351AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F9F090000-258 LEJ351AD-LCSD
Prep Date.....: 06/08/09 Analysis Date..: 06/08/09
Prep Batch #...: 9160258
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
cis-1,3-Dichloropropene	10.0	10.1	ug/L	101		SW846 8260B
	10.0	11.4	ug/L	114	12	SW846 8260B
Dibromochloromethane	10.0	9.36	ug/L	94		SW846 8260B
	10.0	10.3	ug/L	103	9.8	SW846 8260B
Chloromethane	10.0	8.87	ug/L	89		SW846 8260B
	10.0	9.17	ug/L	92	3.3	SW846 8260B
Bromomethane	10.0	14.4 T	ug/L	144		SW846 8260B
	10.0	15.4 T	ug/L	154	7.1	SW846 8260B
Chloroethane	10.0	9.63	ug/L	96		SW846 8260B
	10.0	10.2	ug/L	102	5.8	SW846 8260B
1,1-Dichloroethene	10.0	9.15	ug/L	92		SW846 8260B
	10.0	9.89	ug/L	99	7.7	SW846 8260B
1,2-Dichloroethene (total)	20.0	18.4	ug/L	92		SW846 8260B
	20.0	20.2	ug/L	101	9.5	SW846 8260B
1,2-Dichloropropane	10.0	8.56	ug/L	86		SW846 8260B
	10.0	9.68	ug/L	97	12	SW846 8260B
Bromodichloromethane	10.0	10.0	ug/L	100		SW846 8260B
	10.0	11.2	ug/L	112	11	SW846 8260B
trans-1,3-Dichloropropene	10.0	10.4	ug/L	104		SW846 8260B
	10.0	11.6	ug/L	116	11	SW846 8260B
2-Hexanone	10.0	8.87	ug/L	89		SW846 8260B
	10.0	10.0	ug/L	100	12	SW846 8260B
Chlorobenzene	10.0	10.0	ug/L	100		SW846 8260B
	10.0	11.0	ug/L	110	9.9	SW846 8260B
Bromoform	10.0	13.2 T	ug/L	132		SW846 8260B
	10.0	14.6 T	ug/L	146	10	SW846 8260B
Ethylbenzene	10.0	9.24	ug/L	92		SW846 8260B
	10.0	10.0	ug/L	100	7.9	SW846 8260B
Styrene	10.0	8.67	ug/L	87		SW846 8260B
	10.0	9.14	ug/L	91	5.4	SW846 8260B
1,1,2,2-Tetrachloroethane	10.0	8.64	ug/L	86		SW846 8260B
	10.0	9.45	ug/L	95	9.0	SW846 8260B
Allyl chloride	10.0	10.4	ug/L	104		SW846 8260B
	10.0	11.4	ug/L	114	8.8	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	10.0	9.99	ug/L	100		SW846 8260B
	10.0	11.1	ug/L	111	11	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL799 Work Order #...: LEJ351AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F9F090000-258 LEJ351AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,2-Dibromoethane	10.0	9.04	ug/L	90		SW846 8260B
	10.0	10.0	ug/L	100	10	SW846 8260B
trans-1,4-Dichloro-2-butene	10.0	19.1 T	ug/L	191		SW846 8260B
	10.0	21.2 T	ug/L	212	10	SW846 8260B
Dichlorodifluoromethane (Freon 12)	10.0	9.64	ug/L	96		SW846 8260B
	10.0	10.6	ug/L	106	9.2	SW846 8260B
Ethyl methacrylate	10.0	9.22	ug/L	92		SW846 8260B
	10.0	9.92	ug/L	99	7.3	SW846 8260B
Methyl methacrylate	10.0	9.21	ug/L	92		SW846 8260B
	10.0	10.2	ug/L	102	9.9	SW846 8260B
1,1,1,2-Tetrachloroethane	10.0	9.67	ug/L	97		SW846 8260B
	10.0	10.6	ug/L	106	9.4	SW846 8260B
Trichlorofluoromethane	10.0	10.5	ug/L	105		SW846 8260B
	10.0	11.7	ug/L	117	11	SW846 8260B
Acetonitrile	50.0	47.3	ug/L	95		SW846 8260B
	50.0	56.1	ug/L	112	17	SW846 8260B
Iodomethane	10.0	16.2 T	ug/L	162		SW846 8260B
	10.0	17.7 T	ug/L	177	8.6	SW846 8260B
Vinyl acetate	10.0	9.26	ug/L	93		SW846 8260B
	10.0	10.5	ug/L	105	12	SW846 8260B
Acrolein	50.0	39.1	ug/L	78		SW846 8260B
	50.0	46.6	ug/L	93	18	SW846 8260B
Isobutanol	200	179	ug/L	90		SW846 8260B
	200	201	ug/L	100	11	SW846 8260B
Methacrylonitrile	50.0	50.3	ug/L	101		SW846 8260B
	50.0	58.4	ug/L	117	15	SW846 8260B
1,4-Dioxane	200	186	ug/L	93		SW846 8260B
	200	199	ug/L	99	6.5	SW846 8260B
Chloroprene	10.0	10.9	ug/L	109		SW846 8260B
	10.0	12.1	ug/L	121	10	SW846 8260B
Vinyl chloride	10.0	10.2	ug/L	102		SW846 8260B
	10.0	10.9	ug/L	109	6.6	SW846 8260B
Acetone	10.0	9.30	ug/L	93		SW846 8260B
	10.0	9.62	ug/L	96	3.3	SW846 8260B
Methylene chloride	10.0	7.42	ug/L	74		SW846 8260B
	10.0	8.09	ug/L	81	8.7	SW846 8260B
Carbon disulfide	10.0	9.13	ug/L	91		SW846 8260B
	10.0	9.52	ug/L	95	4.2	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL799 **Work Order #...:** LEJ351AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F9F090000-258 LEJ351AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethane	10.0	9.10	ug/L	91		SW846 8260B
	10.0	10.1	ug/L	101	11	SW846 8260B
2-Butanone	10.0	9.01	ug/L	90		SW846 8260B
	10.0	10.3	ug/L	103	13	SW846 8260B
Chloroform	10.0	9.55	ug/L	96		SW846 8260B
	10.0	10.6	ug/L	106	9.9	SW846 8260B
cis-1,2-Dichloroethene	10.0	9.30	ug/L	93		SW846 8260B
	10.0	10.3	ug/L	103	10	SW846 8260B
Propionitrile	50.0	56.0	ug/L	112		SW846 8260B
	50.0	61.8	ug/L	124	9.9	SW846 8260B
trans-1,2-Dichloroethene	10.0	9.09	ug/L	91		SW846 8260B
	10.0	9.93	ug/L	99	8.8	SW846 8260B
1,1,1-Trichloroethane	10.0	10.6	ug/L	106		SW846 8260B
	10.0	11.9	ug/L	119	12	SW846 8260B
Carbon tetrachloride	10.0	10.9	ug/L	109		SW846 8260B
	10.0	12.2	ug/L	122	11	SW846 8260B
1,2-Dichloroethane	10.0	9.78	ug/L	98		SW846 8260B
	10.0	11.0	ug/L	110	12	SW846 8260B
Benzene	10.0	8.89	ug/L	89		SW846 8260B
	10.0	9.72	ug/L	97	8.9	SW846 8260B
Trichloroethene	10.0	11.4	ug/L	114		SW846 8260B
	10.0	12.8	ug/L	128	11	SW846 8260B
4-Methyl-2-pentanone	10.0	9.77	ug/L	98		SW846 8260B
	10.0	10.9	ug/L	109	11	SW846 8260B
1,1,2-Trichloroethane	10.0	9.08	ug/L	91		SW846 8260B
	10.0	9.96	ug/L	100	9.2	SW846 8260B
Tetrachloroethene	10.0	9.14	ug/L	91		SW846 8260B
	10.0	10.0	ug/L	100	9.1	SW846 8260B
Tetrahydrofuran	50.0	45.4	ug/L	91		SW846 8260B
	50.0	51.1	ug/L	102	12	SW846 8260B
1,4-Dichlorobenzene	10.0	9.02	ug/L	90		SW846 8260B
	10.0	9.59	ug/L	96	6.1	SW846 8260B
1-Butanol	100	85.0	ug/L	85		SW846 8260B
	100	101	ug/L	101	17	SW846 8260B
Toluene	10.0	9.36	ug/L	94		SW846 8260B
	10.0	10.1	ug/L	101	7.6	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	107	(82 - 118)
	112	(82 - 118)
Dibromofluoromethane	111	(78 - 121)
	117	(78 - 121)
1,2-Dichloroethane-d4	111	(63 - 131)
	120	(63 - 131)

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL799 **Work Order #...:** LEJ351AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F9F090000-258 LEJ351AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	108	(74 - 122)
	110	(74 - 122)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

T Spike sample recovery is outside control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL799 **Work Order #...:** LENHG1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F9F100000-533 LENHG1AD-LCSD
Prep Date.....: 06/09/09 **Analysis Date..:** 06/09/09
Prep Batch #...: 9161533
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Carbon tetrachloride	**10.0**	**12.3**	**ug/L**	**123**		**SW846 8260B**
	10.0	**12.7 T**	**ug/L**	**127**	**3.0**	**SW846 8260B**
Trichloroethene	**10.0**	**12.6**	**ug/L**	**126**		**SW846 8260B**
	10.0	**13.0**	**ug/L**	**130**	**2.9**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	114	(82 - 118)
	113	(82 - 118)
Dibromofluoromethane	117	(78 - 121)
	118	(78 - 121)
1,2-Dichloroethane-d4	120	(63 - 131)
	120	(63 - 131)
4-Bromofluorobenzene	110	(74 - 122)
	110	(74 - 122)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

T Spike sample recovery is outside control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL799 Work Order #...: LE0TD1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F9F150000-250 LE0TD1AD-LCSD
Prep Date.....: 06/11/09 Analysis Date..: 06/11/09
Prep Batch #...: 9166250
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
cis-1,3-Dichloropropene	10.0	9.67	ug/L	97		SW846 8260B
	10.0	10.0	ug/L	100	3.8	SW846 8260B
Dibromochloromethane	10.0	10.5	ug/L	105		SW846 8260B
	10.0	10.8	ug/L	108	2.6	SW846 8260B
Chloromethane	10.0	12.0	ug/L	120		SW846 8260B
	10.0	11.8	ug/L	118	1.4	SW846 8260B
Bromomethane	10.0	13.0	ug/L	130		SW846 8260B
	10.0	13.6	ug/L	136	4.7	SW846 8260B
Chloroethane	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.2	ug/L	102	1.6	SW846 8260B
1,1-Dichloroethene	10.0	9.65	ug/L	96		SW846 8260B
	10.0	9.93	ug/L	99	2.9	SW846 8260B
1,2-Dichloroethene (total)	20.0	20.7	ug/L	104		SW846 8260B
	20.0	20.5	ug/L	102	1.2	SW846 8260B
1,2-Dichloropropane	10.0	10.6	ug/L	106		SW846 8260B
	10.0	10.4	ug/L	104	1.1	SW846 8260B
Bromodichloromethane	10.0	10.1	ug/L	101		SW846 8260B
	10.0	10.1	ug/L	101	0.090	SW846 8260B
trans-1,3-Dichloropropene	10.0	9.54	ug/L	95		SW846 8260B
	10.0	9.53	ug/L	95	0.11	SW846 8260B
2-Hexanone	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.0	ug/L	100	3.3	SW846 8260B
Chlorobenzene	10.0	9.88	ug/L	99		SW846 8260B
	10.0	10.0	ug/L	100	1.4	SW846 8260B
Bromoform	10.0	9.66	ug/L	97		SW846 8260B
	10.0	10.1	ug/L	101	4.4	SW846 8260B
Ethylbenzene	10.0	10.2	ug/L	102		SW846 8260B
	10.0	10.2	ug/L	102	0.49	SW846 8260B
Styrene	10.0	10.5	ug/L	105		SW846 8260B
	10.0	10.6	ug/L	106	1.0	SW846 8260B
1,1,2,2-Tetrachloroethane	10.0	10.0	ug/L	100		SW846 8260B
	10.0	10.2	ug/L	102	2.1	SW846 8260B
Allyl chloride	10.0	10.8	ug/L	108		SW846 8260B
	10.0	10.7	ug/L	107	0.65	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	10.0	9.73	ug/L	97		SW846 8260B
	10.0	10.6	ug/L	106	8.3	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL799 Work Order #...: LE0TD1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F9F150000-250 LE0TD1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,2-Dibromoethane	10.0	10.3	ug/L	103		SW846 8260B
	10.0	11.0	ug/L	110	7.0	SW846 8260B
trans-1,4-Dichloro-2-butene	10.0	9.31	ug/L	93		SW846 8260B
	10.0	9.70	ug/L	97	4.0	SW846 8260B
Dichlorodifluoromethane (Freon 12)	10.0	10.3	ug/L	103		SW846 8260B
	10.0	10.6	ug/L	106	2.7	SW846 8260B
Ethyl methacrylate	10.0	9.79	ug/L	98		SW846 8260B
	10.0	9.85	ug/L	98	0.55	SW846 8260B
Methyl methacrylate	10.0	10.1	ug/L	101		SW846 8260B
	10.0	10.6	ug/L	106	4.8	SW846 8260B
1,1,1,2-Tetrachloroethane	10.0	10.1	ug/L	101		SW846 8260B
	10.0	10.2	ug/L	102	0.98	SW846 8260B
Trichlorofluoromethane	10.0	10.8	ug/L	108		SW846 8260B
	10.0	10.7	ug/L	107	0.46	SW846 8260B
Acetonitrile	50.0	53.4	ug/L	107		SW846 8260B
	50.0	48.3	ug/L	97	10	SW846 8260B
Iodomethane	10.0	12.1	ug/L	121		SW846 8260B
	10.0	12.4	ug/L	124	2.7	SW846 8260B
Vinyl acetate	10.0	10.5	ug/L	105		SW846 8260B
	10.0	10.6	ug/L	106	1.2	SW846 8260B
Acrolein	50.0	57.0	ug/L	114		SW846 8260B
	50.0	53.9	ug/L	108	5.6	SW846 8260B
Isobutanol	200	198	ug/L	99		SW846 8260B
	200	185	ug/L	92	6.8	SW846 8260B
Methacrylonitrile	50.0	56.2	ug/L	112		SW846 8260B
	50.0	55.8	ug/L	112	0.71	SW846 8260B
1,4-Dioxane	200	267	ug/L	133		SW846 8260B
	200	251	ug/L	126	6.1	SW846 8260B
Chloroprene	10.0	10.7	ug/L	107		SW846 8260B
	10.0	10.8	ug/L	108	0.93	SW846 8260B
Vinyl chloride	10.0	10.5	ug/L	105		SW846 8260B
	10.0	10.5	ug/L	105	0.28	SW846 8260B
Acetone	10.0	11.0	ug/L	110		SW846 8260B
	10.0	11.5	ug/L	115	4.2	SW846 8260B
Methylene chloride	10.0	9.50	ug/L	95		SW846 8260B
	10.0	9.84	ug/L	98	3.6	SW846 8260B
Carbon disulfide	10.0	10.1	ug/L	101		SW846 8260B
	10.0	10.1	ug/L	101	0.0	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL799 **Work Order #...:** LE0TD1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F9F150000-250 LE0TD1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethane	10.0	10.5	ug/L	105		SW846 8260B
	10.0	10.2	ug/L	102	3.0	SW846 8260B
2-Butanone	10.0	10.3	ug/L	103		SW846 8260B
	10.0	11.2	ug/L	112	8.4	SW846 8260B
Chloroform	10.0	9.89	ug/L	99		SW846 8260B
	10.0	9.90	ug/L	99	0.080	SW846 8260B
cis-1,2-Dichloroethene	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.5	ug/L	105	0.57	SW846 8260B
Propionitrile	50.0	57.8	ug/L	116		SW846 8260B
	50.0	57.9	ug/L	116	0.13	SW846 8260B
trans-1,2-Dichloroethene	10.0	10.3	ug/L	103		SW846 8260B
	10.0	9.98	ug/L	100	3.0	SW846 8260B
1,1,1-Trichloroethane	10.0	11.0	ug/L	110		SW846 8260B
	10.0	11.1	ug/L	111	0.81	SW846 8260B
Carbon tetrachloride	10.0	10.3	ug/L	103		SW846 8260B
	10.0	10.4	ug/L	104	0.38	SW846 8260B
1,2-Dichloroethane	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.4	ug/L	104	0.090	SW846 8260B
Benzene	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.3	ug/L	103	0.29	SW846 8260B
Trichloroethene	10.0	9.73	ug/L	97		SW846 8260B
	10.0	9.92	ug/L	99	2.0	SW846 8260B
4-Methyl-2-pentanone	10.0	10.7	ug/L	107		SW846 8260B
	10.0	10.8	ug/L	108	0.92	SW846 8260B
1,1,2-Trichloroethane	10.0	10.3	ug/L	103		SW846 8260B
	10.0	10.4	ug/L	104	0.96	SW846 8260B
Tetrachloroethene	10.0	10.2	ug/L	102		SW846 8260B
	10.0	10.4	ug/L	104	1.6	SW846 8260B
Tetrahydrofuran	50.0	58.7	ug/L	117		SW846 8260B
	50.0	53.4	ug/L	107	9.4	SW846 8260B
1,4-Dichlorobenzene	10.0	9.64	ug/L	96		SW846 8260B
	10.0	9.91	ug/L	99	2.8	SW846 8260B
1-Butanol	100	128	ug/L	128		SW846 8260B
	100	126	ug/L	126	1.6	SW846 8260B
Toluene	10.0	10.0	ug/L	100		SW846 8260B
	10.0	10.1	ug/L	101	0.59	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(82 - 118)
	95	(82 - 118)
Dibromofluoromethane	98	(78 - 121)
	94	(78 - 121)
1,2-Dichloroethane-d4	98	(63 - 131)
	96	(63 - 131)

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL799 **Work Order #...:** LE0TD1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F9F150000-250 LE0TD1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	95	(74 - 122)
	98	(74 - 122)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL799 Work Order #...: LE7051AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F9F180000-523 LE7051AD-LCSD
Prep Date.....: 06/15/09 Analysis Date..: 06/15/09
Prep Batch #...: 9169523
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
cis-1,3-Dichloropropene	10.0	9.64	ug/L	96		SW846 8260B
	10.0	11.5	ug/L	115	17	SW846 8260B
Dibromochloromethane	10.0	10.8	ug/L	108		SW846 8260B
	10.0	12.3	ug/L	123	13	SW846 8260B
Chloromethane	10.0	11.6	ug/L	116		SW846 8260B
	10.0	11.8	ug/L	118	1.1	SW846 8260B
Bromomethane	10.0	13.3	ug/L	133		SW846 8260B
	10.0	13.1	ug/L	131	1.6	SW846 8260B
Chloroethane	10.0	9.92	ug/L	99		SW846 8260B
	10.0	9.65	ug/L	96	2.8	SW846 8260B
1,1-Dichloroethene	10.0	9.59	ug/L	96		SW846 8260B
	10.0	10.5	ug/L	105	9.2	SW846 8260B
1,2-Dichloroethene (total)	20.0	20.7	ug/L	103		SW846 8260B
	20.0	23.1	ug/L	115	11	SW846 8260B
1,2-Dichloropropane	10.0	10.3	ug/L	103		SW846 8260B
	10.0	11.4	ug/L	114	9.4	SW846 8260B
Bromodichloromethane	10.0	10.5	ug/L	105		SW846 8260B
	10.0	11.9	ug/L	119	13	SW846 8260B
trans-1,3-Dichloropropene	10.0	8.91	ug/L	89		SW846 8260B
	10.0	10.6	ug/L	106	18	SW846 8260B
2-Hexanone	10.0	9.42	ug/L	94		SW846 8260B
	10.0	10.8	ug/L	108	13	SW846 8260B
Chlorobenzene	10.0	9.88	ug/L	99		SW846 8260B
	10.0	11.2	ug/L	112	12	SW846 8260B
Bromoform	10.0	10.1	ug/L	101		SW846 8260B
	10.0	11.5	ug/L	115	13	SW846 8260B
Ethylbenzene	10.0	10.5	ug/L	105		SW846 8260B
	10.0	11.8 T	ug/L	118	12	SW846 8260B
Styrene	10.0	10.4	ug/L	104		SW846 8260B
	10.0	11.8	ug/L	118	12	SW846 8260B
1,1,2,2-Tetrachloroethane	10.0	9.69	ug/L	97		SW846 8260B
	10.0	10.7	ug/L	107	10	SW846 8260B
Allyl chloride	10.0	10.6	ug/L	106		SW846 8260B
	10.0	12.0	ug/L	120	12	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	10.0	9.78	ug/L	98		SW846 8260B
	10.0	11.2	ug/L	112	14	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL799 Work Order #...: LE7051AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F9F180000-523 LE7051AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,2-Dibromoethane	10.0	10.1	ug/L	101		SW846 8260B
	10.0	11.8	ug/L	118	15	SW846 8260B
trans-1,4-Dichloro-2-butene	10.0	8.92	ug/L	89		SW846 8260B
	10.0	10.3	ug/L	103	14	SW846 8260B
Dichlorodifluoromethane (Freon 12)	10.0	11.9	ug/L	119		SW846 8260B
	10.0	11.7	ug/L	117	1.5	SW846 8260B
Ethyl methacrylate	10.0	9.34	ug/L	93		SW846 8260B
	10.0	10.3	ug/L	103	9.5	SW846 8260B
Methyl methacrylate	10.0	9.97	ug/L	100		SW846 8260B
	10.0	11.2	ug/L	112	12	SW846 8260B
1,1,1,2-Tetrachloroethane	10.0	10.7	ug/L	107		SW846 8260B
	10.0	12.1 T	ug/L	121	12	SW846 8260B
Trichlorofluoromethane	10.0	10.9	ug/L	109		SW846 8260B
	10.0	10.7	ug/L	107	1.8	SW846 8260B
Acetonitrile	50.0	49.0	ug/L	98		SW846 8260B
	50.0	61.8	ug/L	124	23	SW846 8260B
Iodomethane	10.0	12.1	ug/L	121		SW846 8260B
	10.0	13.8	ug/L	138	13	SW846 8260B
Vinyl acetate	10.0	9.77	ug/L	98		SW846 8260B
	10.0	10.8	ug/L	108	10	SW846 8260B
Acrolein	50.0	56.0	ug/L	112		SW846 8260B
	50.0	61.0	ug/L	122	8.5	SW846 8260B
Isobutanol	200	182	ug/L	91		SW846 8260B
	200	199	ug/L	100	8.9	SW846 8260B
Methacrylonitrile	50.0	53.7	ug/L	107		SW846 8260B
	50.0	59.8	ug/L	120	11	SW846 8260B
1,4-Dioxane	200	184	ug/L	92		SW846 8260B
	200	198	ug/L	99	7.3	SW846 8260B
Chloroprene	10.0	10.7	ug/L	107		SW846 8260B
	10.0	11.9	ug/L	119	10	SW846 8260B
Vinyl chloride	10.0	10.1	ug/L	101		SW846 8260B
	10.0	10.1	ug/L	101	0.69	SW846 8260B
Acetone	10.0	11.8	ug/L	118		SW846 8260B
	10.0	13.6	ug/L	136	14	SW846 8260B
Methylene chloride	10.0	9.88	ug/L	99		SW846 8260B
	10.0	11.1	ug/L	111	12	SW846 8260B
Carbon disulfide	10.0	10.0	ug/L	100		SW846 8260B
	10.0	11.0	ug/L	110	8.9	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL799 **Work Order #...:** LE7051AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F9F180000-523 LE7051AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethane	10.0	10.2	ug/L	102		SW846 8260B
	10.0	11.3	ug/L	113	11	SW846 8260B
2-Butanone	10.0	10.1	ug/L	101		SW846 8260B
	10.0	11.9	ug/L	119	17	SW846 8260B
Chloroform	10.0	10.2	ug/L	102		SW846 8260B
	10.0	11.3	ug/L	113	10	SW846 8260B
cis-1,2-Dichloroethene	10.0	10.4	ug/L	104		SW846 8260B
	10.0	11.8 T	ug/L	118	13	SW846 8260B
Propionitrile	50.0	53.0	ug/L	106		SW846 8260B
	50.0	60.3	ug/L	121	13	SW846 8260B
trans-1,2-Dichloroethene	10.0	10.3	ug/L	103		SW846 8260B
	10.0	11.3	ug/L	113	9.2	SW846 8260B
1,1,1-Trichloroethane	10.0	11.2	ug/L	112		SW846 8260B
	10.0	12.6	ug/L	126	12	SW846 8260B
Carbon tetrachloride	10.0	10.7	ug/L	107		SW846 8260B
	10.0	12.5	ug/L	125	15	SW846 8260B
1,2-Dichloroethane	10.0	10.1	ug/L	101		SW846 8260B
	10.0	11.5	ug/L	115	13	SW846 8260B
Benzene	10.0	10.4	ug/L	104		SW846 8260B
	10.0	11.6 T	ug/L	116	11	SW846 8260B
Trichloroethene	10.0	9.78	ug/L	98		SW846 8260B
	10.0	11.1	ug/L	111	12	SW846 8260B
4-Methyl-2-pentanone	10.0	9.64	ug/L	96		SW846 8260B
	10.0	11.6	ug/L	116	18	SW846 8260B
1,1,2-Trichloroethane	10.0	10.4	ug/L	104		SW846 8260B
	10.0	11.4	ug/L	114	8.7	SW846 8260B
Tetrachloroethene	10.0	10.1	ug/L	101		SW846 8260B
	10.0	12.3 T	ug/L	123	20	SW846 8260B
Tetrahydrofuran	50.0	55.8	ug/L	112		SW846 8260B
	50.0	58.9	ug/L	118	5.4	SW846 8260B
1,4-Dichlorobenzene	10.0	9.81	ug/L	98		SW846 8260B
	10.0	11.0	ug/L	110	12	SW846 8260B
1-Butanol	100	82.7	ug/L	83		SW846 8260B
	100	106	ug/L	106	24	SW846 8260B
Toluene	10.0	10.1	ug/L	101		SW846 8260B
	10.0	11.4	ug/L	114	11	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	95	(80 - 117)
	96	(80 - 117)
Dibromofluoromethane	96	(77 - 120)
	95	(77 - 120)
1,2-Dichloroethane-d4	92	(61 - 136)
	93	(61 - 136)

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL799 **Work Order #...:** LE7051AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F9F180000-523 LE7051AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	94	(72 - 123)
	94	(72 - 123)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

T Spike sample recovery is outside control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL799 Work Order #...: LFD5L1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F9F220000-097 LFD5L1AD-LCSD
Prep Date.....: 06/18/09 Analysis Date..: 06/18/09
Prep Batch #...: 9173097
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Ethylbenzene	10.0	9.75	ug/L	97		SW846 8260B
	10.0	10.0	ug/L	100	2.8	SW846 8260B
1,4-Dioxane	200	156	ug/L	78		SW846 8260B
	200	190	ug/L	95	20	SW846 8260B
1,1-Dichloroethene	10.0	9.19	ug/L	92		SW846 8260B
	10.0	9.06	ug/L	91	1.4	SW846 8260B
Vinyl chloride	10.0	10.9	ug/L	109		SW846 8260B
	10.0	11.5	ug/L	115	5.9	SW846 8260B
Acetone	10.0	10.4	ug/L	104		SW846 8260B
	10.0	12.0	ug/L	120	15	SW846 8260B
Methylene chloride	10.0	9.70	ug/L	97		SW846 8260B
	10.0	9.54	ug/L	95	1.8	SW846 8260B
Carbon disulfide	10.0	10.3	ug/L	103		SW846 8260B
	10.0	10.6	ug/L	106	2.5	SW846 8260B
1,1-Dichloroethane	10.0	10.2	ug/L	102		SW846 8260B
	10.0	10.5	ug/L	105	2.5	SW846 8260B
2-Butanone	10.0	11.4	ug/L	114		SW846 8260B
	10.0	13.5	ug/L	135	17	SW846 8260B
Chloroform	10.0	9.92	ug/L	99		SW846 8260B
	10.0	9.80	ug/L	98	1.2	SW846 8260B
cis-1,2-Dichloroethene	10.0	10.2	ug/L	102		SW846 8260B
	10.0	10.5	ug/L	105	2.9	SW846 8260B
Propionitrile	50.0	60.4	ug/L	121		SW846 8260B
	50.0	57.8	ug/L	116	4.5	SW846 8260B
trans-1,2-Dichloroethene	10.0	9.64	ug/L	96		SW846 8260B
	10.0	9.72	ug/L	97	0.79	SW846 8260B
1,1,1-Trichloroethane	10.0	10.7	ug/L	107		SW846 8260B
	10.0	10.7	ug/L	107	0.18	SW846 8260B
Carbon tetrachloride	10.0	10.0	ug/L	100		SW846 8260B
	10.0	10.4	ug/L	104	4.1	SW846 8260B
1,2-Dichloroethane	10.0	10.2	ug/L	102		SW846 8260B
	10.0	10.0	ug/L	100	1.2	SW846 8260B
Benzene	10.0	10.0	ug/L	100		SW846 8260B
	10.0	10.2	ug/L	102	1.2	SW846 8260B
Trichloroethene	10.0	9.51	ug/L	95		SW846 8260B
	10.0	9.71	ug/L	97	2.0	SW846 8260B
4-Methyl-2-pentanone	10.0	9.96	ug/L	100		SW846 8260B
	10.0	10.4	ug/L	104	3.9	SW846 8260B
1,1,2-Trichloroethane	10.0	10.0	ug/L	100		SW846 8260B
	10.0	10.4	ug/L	104	4.0	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL799 **Work Order #...:** LFD5L1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F9F220000-097 LFD5L1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Tetrachloroethene	**10.0**	**10.1**	**ug/L**	**101**		**SW846 8260B**
	10.0	**10.7**	**ug/L**	**107**	**5.6**	**SW846 8260B**
Tetrahydrofuran	**50.0**	**50.9**	**ug/L**	**102**		**SW846 8260B**
	50.0	**55.8**	**ug/L**	**112**	**9.2**	**SW846 8260B**
1,4-Dichlorobenzene	**10.0**	**9.27**	**ug/L**	**93**		**SW846 8260B**
	10.0	**9.51**	**ug/L**	**95**	**2.5**	**SW846 8260B**
1-Butanol	**100**	**112**	**ug/L**	**112**		**SW846 8260B**
	100	**132**	**ug/L**	**132**	**16**	**SW846 8260B**
Toluene	**10.0**	**9.49**	**ug/L**	**95**		**SW846 8260B**
	10.0	**9.76**	**ug/L**	**98**	**2.8**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	94	(80 - 117)
	96	(80 - 117)
Dibromofluoromethane	97	(77 - 120)
	100	(77 - 120)
1,2-Dichloroethane-d4	100	(61 - 136)
	98	(61 - 136)
4-Bromofluorobenzene	88	(72 - 123)
	93	(72 - 123)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL799 Work Order #...: LEEGL1AD-MS Matrix.....: WATER
MS Lot-Sample #: F9F050201-002 LEEGL1AE-MSD
Date Sampled...: 06/02/09 Date Received..: 06/05/09
Prep Date.....: 06/08/09 Analysis Date..: 06/08/09
Prep Batch #...: 9160258
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
cis-1,3-Dichloropropene	ND	10.0	12.7	ug/L	127		SW846 8260B
	ND	10.0	12.7	ug/L	127	0.47	SW846 8260B
Chloromethane	1.0	10.0	20.0	ug/L	190		SW846 8260B
	Qualifiers: T						
	1.0	10.0	20.5	ug/L	194	2.1	SW846 8260B
	Qualifiers: T						
Bromomethane	0.24	10.0	4.60	ug/L	44		SW846 8260B
	0.24	10.0	6.38	ug/L	61	33	SW846 8260B
Chloroethane	ND	10.0	12.6	ug/L	126		SW846 8260B
	ND	10.0	12.8	ug/L	128	1.2	SW846 8260B
1,1-Dichloroethene	ND	10.0	10.9	ug/L	109		SW846 8260B
	ND	10.0	10.9	ug/L	109	0.36	SW846 8260B
1,2-Dichloroethene (total)	ND	20.0	22.7	ug/L	113		SW846 8260B
	ND	20.0	22.3	ug/L	112	1.6	SW846 8260B
1,2-Dichloropropane	ND	10.0	11.1	ug/L	111		SW846 8260B
	ND	10.0	10.9	ug/L	109	1.3	SW846 8260B
Bromodichloromethane	0.43	10.0	13.6	ug/L	131		SW846 8260B
	0.43	10.0	13.8	ug/L	134	1.7	SW846 8260B
trans-1,3-Dichloropropene	ND	10.0	13.0	ug/L	130		SW846 8260B
	Qualifiers: T						
	ND	10.0	13.4	ug/L	134	2.6	SW846 8260B
	Qualifiers: T						
2-Hexanone	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	10.5	ug/L	105	3.4	SW846 8260B
Chlorobenzene	ND	10.0	13.6	ug/L	136		SW846 8260B
	Qualifiers: T						
	ND	10.0	13.5	ug/L	135	1.0	SW846 8260B
	Qualifiers: T						
Bromoform	ND	10.0	16.7	ug/L	167		SW846 8260B
	Qualifiers: T						
	ND	10.0	17.1	ug/L	171	2.2	SW846 8260B
	Qualifiers: T						
Ethylbenzene	ND	10.0	11.8	ug/L	118		SW846 8260B
	ND	10.0	11.9	ug/L	119	0.16	SW846 8260B
Styrene	ND	10.0	11.5	ug/L	115		SW846 8260B
	ND	10.0	11.4	ug/L	114	1.0	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	10.0	10.3	ug/L	103		SW846 8260B
	ND	10.0	10.4	ug/L	104	1.2	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL799 **Work Order #...:** LEEGL1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F9F050201-002 LEEGL1AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Dibromochloromethane	ND	10.0	12.3	ug/L	123		SW846 8260B
	ND	10.0	12.3	ug/L	123	0.08	SW846 8260B
Allyl chloride	ND	10.0	13.8	ug/L	138		SW846 8260B
	ND	10.0	13.8	ug/L	138	0.14	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	10.0	12.0	ug/L	120		SW846 8260B
	ND	10.0	12.2	ug/L	122	1.1	SW846 8260B
		Qualifiers:	T				
1,2-Dibromoethane	ND	10.0	11.7	ug/L	117		SW846 8260B
	ND	10.0	11.9	ug/L	119	1.6	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	10.0	21.3	ug/L	213		SW846 8260B
		Qualifiers:	T				
	ND	10.0	20.7	ug/L	207	3.0	SW846 8260B
		Qualifiers:	T				
Dichlorodifluoromethane (Freon 12)	ND	10.0	11.9	ug/L	119		SW846 8260B
	ND	10.0	11.9	ug/L	119	0.50	SW846 8260B
Ethyl methacrylate	ND	10.0	10.8	ug/L	108		SW846 8260B
	ND	10.0	11.2	ug/L	112	3.8	SW846 8260B
Methyl methacrylate	ND	10.0	11.1	ug/L	111		SW846 8260B
	ND	10.0	11.0	ug/L	110	0.72	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	10.0	13.0	ug/L	130		SW846 8260B
		Qualifiers:	T				
	ND	10.0	13.0	ug/L	130	0.61	SW846 8260B
		Qualifiers:	T				
Trichlorofluoromethane	ND	10.0	13.8	ug/L	138		SW846 8260B
	ND	10.0	13.7	ug/L	137	1.2	SW846 8260B
Acetonitrile	ND	50.0	58.1	ug/L	116		SW846 8260B
	ND	50.0	58.6	ug/L	117	0.73	SW846 8260B
Iodomethane	ND	10.0	0.338	ug/L	3.4		SW846 8260B
		Qualifiers:	T				
	ND	10.0	0.431	ug/L	4.3	24	SW846 8260B
		Qualifiers:	T				
Vinyl acetate	ND	10.0	10.9	ug/L	109		SW846 8260B
	ND	10.0	11.8	ug/L	118	8.2	SW846 8260B
Acrolein	ND	50.0	41.0	ug/L	82		SW846 8260B
	ND	50.0	39.5	ug/L	79	3.9	SW846 8260B
Isobutanol	ND	200	211	ug/L	105		SW846 8260B
	ND	200	236	ug/L	118	11	SW846 8260B
Methacrylonitrile	ND	50.0	65.1	ug/L	130		SW846 8260B
	ND	50.0	65.2	ug/L	130	0.26	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL799 **Work Order #...:** LEEGL1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F9F050201-002 LEEGL1AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,4-Dioxane	ND	200	208	ug/L	104		SW846 8260B
	ND	200	215	ug/L	108	3.2	SW846 8260B
Chloroprene	ND	10.0	13.2	ug/L	132		SW846 8260B
	ND	10.0	13.4	ug/L	134	1.4	SW846 8260B
Vinyl chloride	ND	10.0	12.6	ug/L	126		SW846 8260B
	ND	10.0	11.9	ug/L	119	6.3	SW846 8260B
Acetone	ND	10.0	12.6	ug/L	126		SW846 8260B
	ND	10.0	12.4	ug/L	124	1.4	SW846 8260B
Methylene chloride	ND	10.0	11.2	ug/L	112		SW846 8260B
	ND	10.0	10.7	ug/L	107	4.2	SW846 8260B
Carbon disulfide	3.7	10.0	12.3	ug/L	86		SW846 8260B
	3.7	10.0	12.0	ug/L	83	2.2	SW846 8260B
1,1-Dichloroethane	ND	10.0	11.2	ug/L	112		SW846 8260B
	ND	10.0	11.1	ug/L	111	0.44	SW846 8260B
2-Butanone	ND	10.0	11.3	ug/L	113		SW846 8260B
	ND	10.0	10.8	ug/L	108	4.4	SW846 8260B
Chloroform	12	10.0	23.8	ug/L	115		SW846 8260B
	12	10.0	23.9	ug/L	116	0.16	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	11.8	ug/L	118		SW846 8260B
	ND	10.0	11.6	ug/L	116	1.8	SW846 8260B
Propionitrile	ND	50.0	72.5	ug/L	145		SW846 8260B
	ND	50.0	72.5	ug/L	145	0.02	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	10.9	ug/L	109		SW846 8260B
	ND	10.0	10.7	ug/L	107	1.3	SW846 8260B
1,1,1-Trichloroethane	ND	10.0	13.7	ug/L	137		SW846 8260B
	ND	10.0	13.6	ug/L	136	1.0	SW846 8260B
1,2-Dichloroethane	ND	10.0	12.8	ug/L	128		SW846 8260B
	ND	10.0	12.5	ug/L	125	2.1	SW846 8260B
Benzene	ND	10.0	11.6	ug/L	116		SW846 8260B
	ND	10.0	11.6	ug/L	116	0.34	SW846 8260B
4-Methyl-2-pentanone	ND	10.0	11.5	ug/L	115		SW846 8260B
	ND	10.0	11.9	ug/L	119	3.3	SW846 8260B
1,1,2-Trichloroethane	ND	10.0	11.7	ug/L	117		SW846 8260B
	ND	10.0	12.1	ug/L	121	3.5	SW846 8260B
Tetrachloroethene	0.87	10.0	12.4	ug/L	116		SW846 8260B
	0.87	10.0	12.7	ug/L	118	2.0	SW846 8260B
	Qualifiers: T						
Tetrahydrofuran	ND	50.0	20.9	ug/L	42 T		SW846 8260B
	ND	50.0	20.4	ug/L	41 T	2.7	SW846 8260B
1,4-Dichlorobenzene	ND	10.0	11.1	ug/L	111		SW846 8260B
	ND	10.0	11.4	ug/L	114	2.8	SW846 8260B
1-Butanol	ND	100	91.1	ug/L	91		SW846 8260B
	ND	100	96.3	ug/L	96	5.5	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL799 **Work Order #...:** LEEGL1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F9F050201-002 LEEGL1AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Toluene	**ND**	**10.0**	**12.1**	**ug/L**	**121**		**SW846 8260B**
	Qualifiers:		T				
	ND	**10.0**	**12.2**	**ug/L**	**122**	**0.32**	**SW846 8260B**
	Qualifiers:		T				

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	104	(76 - 116)
	104	(76 - 116)
Dibromofluoromethane	60 *	(82 - 123)
	57 *	(82 - 123)
1,2-Dichloroethane-d4	109	(71 - 132)
	108	(71 - 132)
4-Bromofluorobenzene	93	(74 - 120)
	96	(74 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

T Spike sample recovery is outside control limits.

* Surrogate recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL799 Work Order #...: LEM3H1AD-MS Matrix.....: WATER
MS Lot-Sample #: F9F100245-003 LEM3H1AE-MSD
Date Sampled...: 06/08/09 Date Received..: 06/10/09
Prep Date.....: 06/11/09 Analysis Date..: 06/11/09
Prep Batch #...: 9166250
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
cis-1,3-Dichloropropene	ND	10.0	9.09	ug/L	91		SW846 8260B
	ND	10.0	8.74	ug/L	87	4.0	SW846 8260B
Chloromethane	ND	10.0	11.0	ug/L	110		SW846 8260B
	ND	10.0	11.3	ug/L	113	2.4	SW846 8260B
Bromomethane	ND	10.0	11.9	ug/L	119		SW846 8260B
	ND	10.0	12.7	ug/L	127	6.7	SW846 8260B
Chloroethane	ND	10.0	10.6	ug/L	106		SW846 8260B
	ND	10.0	9.95	ug/L	99	6.2	SW846 8260B
1,1-Dichloroethene	ND	10.0	8.99	ug/L	90		SW846 8260B
	ND	10.0	8.77	ug/L	88	2.5	SW846 8260B
1,2-Dichloroethene (total)	ND	20.0	19.8	ug/L	99		SW846 8260B
	ND	20.0	19.6	ug/L	98	1.0	SW846 8260B
1,2-Dichloropropane	ND	10.0	9.80	ug/L	98		SW846 8260B
	ND	10.0	9.31	ug/L	93	5.1	SW846 8260B
Bromodichloromethane	ND	10.0	9.78	ug/L	98		SW846 8260B
	ND	10.0	9.63	ug/L	96	1.5	SW846 8260B
trans-1,3-Dichloropropene	ND	10.0	8.13	ug/L	81		SW846 8260B
	ND	10.0	7.57	ug/L	76	7.1	SW846 8260B
2-Hexanone	ND	10.0	6.85	ug/L	68		SW846 8260B
	ND	10.0	6.96	ug/L	70	1.6	SW846 8260B
Chlorobenzene	ND	10.0	9.34	ug/L	93		SW846 8260B
	ND	10.0	9.29	ug/L	93	0.55	SW846 8260B
Bromoform	ND	10.0	8.88	ug/L	89		SW846 8260B
	ND	10.0	8.98	ug/L	90	1.1	SW846 8260B
Ethylbenzene	ND	10.0	9.60	ug/L	96		SW846 8260B
	ND	10.0	9.74	ug/L	97	1.4	SW846 8260B
Styrene	ND	10.0	9.27	ug/L	93		SW846 8260B
	ND	10.0	9.24	ug/L	92	0.36	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	10.0	8.89	ug/L	89		SW846 8260B
	ND	10.0	9.22	ug/L	92	3.6	SW846 8260B
Dibromochloromethane	ND	10.0	9.26	ug/L	93		SW846 8260B
	ND	10.0	10.0	ug/L	100	7.9	SW846 8260B
Allyl chloride	ND	10.0	10.8	ug/L	108		SW846 8260B
	ND	10.0	10.2	ug/L	102	5.9	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	10.0	8.15	ug/L	82		SW846 8260B
	ND	10.0	8.70	ug/L	87	6.6	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL799 Work Order #...: LEM3H1AD-MS Matrix.....: WATER
MS Lot-Sample #: F9F100245-003 LEM3H1AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,2-Dibromoethane	ND	10.0	9.44	ug/L	94		SW846 8260B
	ND	10.0	9.55	ug/L	96	1.2	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	10.0	6.44	ug/L	64		SW846 8260B
	ND	10.0	6.07	ug/L	61	6.0	SW846 8260B
Dichlorodifluoromethane (Freon 12)	ND	10.0	8.31	ug/L	83		SW846 8260B
	ND	10.0	9.14	ug/L	91	9.6	SW846 8260B
Ethyl methacrylate	ND	10.0	8.06	ug/L	81		SW846 8260B
	ND	10.0	8.62	ug/L	86	6.8	SW846 8260B
Methyl methacrylate	ND	10.0	8.31	ug/L	83		SW846 8260B
	ND	10.0	8.91	ug/L	89	7.0	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	10.0	9.70	ug/L	97		SW846 8260B
	ND	10.0	9.39	ug/L	94	3.2	SW846 8260B
Trichlorofluoromethane	ND	10.0	8.46	ug/L	85		SW846 8260B
	ND	10.0	8.74	ug/L	87	3.3	SW846 8260B
Acetonitrile	ND	50.0	48.4	ug/L	97		SW846 8260B
	ND	50.0	47.6	ug/L	95	1.7	SW846 8260B
Iodomethane	ND	10.0	12.8	ug/L	128		SW846 8260B
	ND	10.0	12.8	ug/L	128	0.07	SW846 8260B
Vinyl acetate	ND	10.0	6.98	ug/L	70		SW846 8260B
	ND	10.0	6.64	ug/L	66	5.1	SW846 8260B
Acrolein	ND	50.0	43.3	ug/L	87		SW846 8260B
	ND	50.0	44.1	ug/L	88	1.7	SW846 8260B
Isobutanol	ND	200	146	ug/L	73		SW846 8260B
	ND	200	145	ug/L	73	0.68	SW846 8260B
Methacrylonitrile	ND	50.0	48.6	ug/L	97		SW846 8260B
	ND	50.0	48.4	ug/L	97	0.49	SW846 8260B
1,4-Dioxane	ND	200	128	ug/L	64		SW846 8260B
	ND	200	163	ug/L	81	24	SW846 8260B
Chloroprene	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	10.1	ug/L	101	1.5	SW846 8260B
Vinyl chloride	ND	10.0	10.8	ug/L	108		SW846 8260B
	ND	10.0	11.0	ug/L	110	1.8	SW846 8260B
Acetone	ND	10.0	9.41	ug/L	94		SW846 8260B
	ND	10.0	10.7	ug/L	107	13	SW846 8260B
Methylene chloride	ND	10.0	8.77	ug/L	88		SW846 8260B
	ND	10.0	8.31	ug/L	83	5.4	SW846 8260B
Carbon disulfide	ND	10.0	10.0	ug/L	100		SW846 8260B
	ND	10.0	9.87	ug/L	99	1.7	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL799 **Work Order #...:** LEM3H1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F9F100245-003 LEM3H1AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethane	ND	10.0	10.1	ug/L	101		SW846 8260B
	ND	10.0	9.86	ug/L	99	2.5	SW846 8260B
2-Butanone	ND	10.0	7.76	ug/L	78		SW846 8260B
	ND	10.0	7.55	ug/L	76	2.7	SW846 8260B
Chloroform	0.75	10.0	10.7	ug/L	100		SW846 8260B
	0.75	10.0	10.3	ug/L	95	4.2	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	10.1	ug/L	101	1.4	SW846 8260B
Propionitrile	ND	50.0	45.0	ug/L	90		SW846 8260B
	ND	50.0	42.5	ug/L	85	5.7	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	9.61	ug/L	96		SW846 8260B
	ND	10.0	9.55	ug/L	95	0.60	SW846 8260B
1,1,1-Trichloroethane	ND	10.0	11.3	ug/L	113		SW846 8260B
	ND	10.0	11.0	ug/L	110	2.8	SW846 8260B
Carbon tetrachloride	0.69	10.0	10.9	ug/L	102		SW846 8260B
	0.69	10.0	10.7	ug/L	100	1.8	SW846 8260B
1,2-Dichloroethane	ND	10.0	9.73	ug/L	97		SW846 8260B
	ND	10.0	9.55	ug/L	95	1.9	SW846 8260B
Benzene	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	9.78	ug/L	98	4.1	SW846 8260B
Trichloroethene	ND	10.0	9.68	ug/L	97		SW846 8260B
	ND	10.0	9.61	ug/L	96	0.70	SW846 8260B
4-Methyl-2-pentanone	ND	10.0	7.23	ug/L	72		SW846 8260B
	ND	10.0	7.88	ug/L	79	8.6	SW846 8260B
1,1,2-Trichloroethane	ND	10.0	8.98	ug/L	90		SW846 8260B
	ND	10.0	9.10	ug/L	91	1.3	SW846 8260B
Tetrachloroethene	ND	10.0	9.76	ug/L	98		SW846 8260B
	ND	10.0	9.63	ug/L	96	1.4	SW846 8260B
Tetrahydrofuran	ND	50.0	45.2	ug/L	90		SW846 8260B
	ND	50.0	45.9	ug/L	92	1.4	SW846 8260B
1,4-Dichlorobenzene	ND	10.0	9.08	ug/L	91		SW846 8260B
	ND	10.0	9.11	ug/L	91	0.29	SW846 8260B
1-Butanol	ND	100	45.7	ug/L	46		SW846 8260B
	ND	100	51.6	ug/L	52	12	SW846 8260B
Toluene	ND	10.0	9.51	ug/L	95		SW846 8260B
	ND	10.0	9.38	ug/L	94	1.4	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	92	(76 - 116)
	94	(76 - 116)

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL799 **Work Order #...:** LEM3H1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F9F100245-003 LEM3H1AE-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(82 - 123)
	94	(82 - 123)
1,2-Dichloroethane-d4	94	(71 - 132)
	93	(71 - 132)
4-Bromofluorobenzene	91	(74 - 120)
	93	(74 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL799 **Work Order #...:** LET911AK-MS **Matrix.....:** WATER
MS Lot-Sample #: F9F120291-001 LET911AL-MSD
Date Sampled...: 06/10/09 **Date Received..:** 06/12/09
Prep Date.....: 06/15/09 **Analysis Date..:** 06/15/09
Prep Batch #...: 9169523
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
cis-1,3-Dichloropropene	ND	10.0	9.26	ug/L	93		SW846 8260B
	ND	10.0	9.61	ug/L	96	3.8	SW846 8260B
Chloromethane	ND	10.0	11.4	ug/L	114		SW846 8260B
	ND	10.0	12.4	ug/L	124	8.7	SW846 8260B
Bromomethane	ND	10.0	11.6	ug/L	116		SW846 8260B
	ND	10.0	14.0	ug/L	140	18	SW846 8260B
Chloroethane	ND	10.0	10.8	ug/L	108		SW846 8260B
	ND	10.0	10.7	ug/L	107	0.74	SW846 8260B
1,1-Dichloroethene	ND	10.0	9.49	ug/L	95		SW846 8260B
	ND	10.0	9.75	ug/L	98	2.7	SW846 8260B
1,2-Dichloroethene (total)	ND	20.0	20.4	ug/L	102		SW846 8260B
	ND	20.0	20.7	ug/L	104	1.7	SW846 8260B
1,2-Dichloropropane	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	10.5	ug/L	105	2.8	SW846 8260B
Bromodichloromethane	ND	10.0	10.1	ug/L	101		SW846 8260B
	ND	10.0	10.6	ug/L	106	5.2	SW846 8260B
trans-1,3-Dichloropropene	ND	10.0	7.66	ug/L	77		SW846 8260B
	ND	10.0	8.40	ug/L	84	9.3	SW846 8260B
2-Hexanone	ND	10.0	6.74	ug/L	67		SW846 8260B
	ND	10.0	7.80	ug/L	78	14	SW846 8260B
Chlorobenzene	ND	10.0	9.30	ug/L	93		SW846 8260B
	ND	10.0	9.46	ug/L	95	1.7	SW846 8260B
Bromoform	ND	10.0	8.69	ug/L	87		SW846 8260B
	ND	10.0	9.54	ug/L	95	9.3	SW846 8260B
Ethylbenzene	ND	10.0	9.84	ug/L	98		SW846 8260B
	ND	10.0	9.93	ug/L	99	0.90	SW846 8260B
Styrene	ND	10.0	9.49	ug/L	95		SW846 8260B
	ND	10.0	9.58	ug/L	96	0.88	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	10.0	8.75	ug/L	87		SW846 8260B
	ND	10.0	9.44	ug/L	94	7.6	SW846 8260B
Dibromochloromethane	ND	10.0	9.78	ug/L	98		SW846 8260B
	ND	10.0	9.76	ug/L	98	0.26	SW846 8260B
Allyl chloride	ND	10.0	11.1	ug/L	111		SW846 8260B
	ND	10.0	11.1	ug/L	111	0.09	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	10.0	7.50	ug/L	75		SW846 8260B
	ND	10.0	7.96	ug/L	80	5.9	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL799 Work Order #...: LET911AK-MS Matrix.....: WATER
MS Lot-Sample #: F9F120291-001 LET911AL-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,2-Dibromoethane	ND	10.0	9.33	ug/L	93		SW846 8260B
	ND	10.0	10.0	ug/L	100	7.0	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	10.0	6.40	ug/L	64		SW846 8260B
	ND	10.0	6.92	ug/L	69	7.8	SW846 8260B
Dichlorodifluoromethane (Freon 12)	ND	10.0	9.92	ug/L	99		SW846 8260B
	ND	10.0	11.5	ug/L	115	15	SW846 8260B
Ethyl methacrylate	ND	10.0	8.31	ug/L	83		SW846 8260B
	ND	10.0	8.55	ug/L	86	2.9	SW846 8260B
Methyl methacrylate	ND	10.0	8.34	ug/L	83		SW846 8260B
	ND	10.0	9.55	ug/L	96	14	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	10.0	9.72	ug/L	97		SW846 8260B
	ND	10.0	9.82	ug/L	98	1.0	SW846 8260B
Trichlorofluoromethane	ND	10.0	9.06	ug/L	91		SW846 8260B
	ND	10.0	9.32	ug/L	93	2.9	SW846 8260B
Acetonitrile	ND	50.0	49.0	ug/L	98		SW846 8260B
	ND	50.0	57.2	ug/L	114	16	SW846 8260B
Iodomethane	ND	10.0	13.0	ug/L	130		SW846 8260B
	ND	10.0	13.9	ug/L	139	6.5	SW846 8260B
Vinyl acetate	ND	10.0	7.49	ug/L	75		SW846 8260B
	ND	10.0	7.34	ug/L	73	2.0	SW846 8260B
Acrolein	ND	50.0	41.9	ug/L	84		SW846 8260B
	ND	50.0	42.0	ug/L	84	0.23	SW846 8260B
Isobutanol	ND	200	167	ug/L	84		SW846 8260B
	ND	200	190	ug/L	95	13	SW846 8260B
Methacrylonitrile	ND	50.0	52.7	ug/L	105		SW846 8260B
	ND	50.0	53.2	ug/L	106	1.0	SW846 8260B
1,4-Dioxane	ND	200	181	ug/L	90		SW846 8260B
	ND	200	188	ug/L	94	4.2	SW846 8260B
Chloroprene	ND	10.0	11.0	ug/L	110		SW846 8260B
	ND	10.0	11.1	ug/L	111	0.90	SW846 8260B
Vinyl chloride	ND	10.0	11.2	ug/L	112		SW846 8260B
	ND	10.0	12.0	ug/L	120	6.4	SW846 8260B
Acetone	ND	10.0	12.0	ug/L	120		SW846 8260B
	ND	10.0	12.4	ug/L	124	3.6	SW846 8260B
Methylene chloride	ND	10.0	8.62	ug/L	86		SW846 8260B
	ND	10.0	8.82	ug/L	88	2.3	SW846 8260B
Carbon disulfide	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	10.7	ug/L	107	3.1	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL799 **Work Order #...:** LET911AK-MS **Matrix.....:** WATER
MS Lot-Sample #: F9F120291-001 LET911AL-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethane	ND	10.0	10.5	ug/L	105		SW846 8260B
	ND	10.0	10.5	ug/L	105	0.47	SW846 8260B
2-Butanone	ND	10.0	9.47	ug/L	95		SW846 8260B
	ND	10.0	8.75	ug/L	88	7.9	SW846 8260B
Chloroform	0.072	10.0	10.2	ug/L	102		SW846 8260B
	0.072	10.0	10.3	ug/L	102	0.58	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	10.6	ug/L	106	1.5	SW846 8260B
Propionitrile	ND	50.0	48.5	ug/L	97		SW846 8260B
	ND	50.0	51.2	ug/L	102	5.4	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	9.94	ug/L	99		SW846 8260B
	ND	10.0	10.1	ug/L	101	1.9	SW846 8260B
1,1,1-Trichloroethane	ND	10.0	11.5	ug/L	115		SW846 8260B
	ND	10.0	11.8	ug/L	118	2.1	SW846 8260B
Carbon tetrachloride	ND	10.0	10.5	ug/L	105		SW846 8260B
	ND	10.0	11.4	ug/L	114	7.9	SW846 8260B
1,2-Dichloroethane	ND	10.0	10.1	ug/L	101		SW846 8260B
	ND	10.0	10.4	ug/L	104	2.3	SW846 8260B
Benzene	ND	10.0	10.3	ug/L	103		SW846 8260B
	ND	10.0	10.5	ug/L	105	1.8	SW846 8260B
Trichloroethene	ND	10.0	9.86	ug/L	99		SW846 8260B
	ND	10.0	10.2	ug/L	102	2.9	SW846 8260B
4-Methyl-2-pentanone	ND	10.0	7.82	ug/L	78		SW846 8260B
	ND	10.0	7.48	ug/L	75	4.3	SW846 8260B
1,1,2-Trichloroethane	ND	10.0	9.42	ug/L	94		SW846 8260B
	ND	10.0	9.83	ug/L	98	4.3	SW846 8260B
Tetrachloroethene	ND	10.0	9.44	ug/L	94		SW846 8260B
	ND	10.0	9.84	ug/L	98	4.2	SW846 8260B
Tetrahydrofuran	ND	50.0	49.7	ug/L	99		SW846 8260B
	ND	50.0	50.3	ug/L	101	1.1	SW846 8260B
1,4-Dichlorobenzene	ND	10.0	8.88	ug/L	89		SW846 8260B
	ND	10.0	9.55	ug/L	95	7.3	SW846 8260B
1-Butanol	ND	100	59.5	ug/L	60		SW846 8260B
	ND	100	78.1	ug/L	78	27	SW846 8260B
Toluene	0.10	10.0	9.63	ug/L	95		SW846 8260B
	0.10	10.0	9.87	ug/L	98	2.5	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	92	(72 - 117)
	92	(72 - 117)

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL799 **Work Order #...:** LET911AK-MS **Matrix.....:** WATER
MS Lot-Sample #: F9F120291-001 LET911AL-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(66 - 137)
	97	(66 - 137)
1,2-Dichloroethane-d4	93	(58 - 144)
	92	(58 - 144)
4-Bromofluorobenzene	90	(68 - 127)
	96	(68 - 127)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL799 Work Order #...: LE6G31DL-MS Matrix.....: WATER
MS Lot-Sample #: F9F180163-001 LE6G31DM-MSD
Date Sampled...: 06/16/09 Date Received..: 06/18/09
Prep Date.....: 06/18/09 Analysis Date..: 06/18/09
Prep Batch #...: 9173097
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	ND	10.0	9.58	ug/L	96		SW846 8260B
	ND	10.0	9.48	ug/L	95	1.1	SW846 8260B
Ethylbenzene	ND	10.0	9.63	ug/L	96		SW846 8260B
	ND	10.0	9.40	ug/L	94	2.4	SW846 8260B
1,4-Dioxane	ND	200	221	ug/L	111		SW846 8260B
	ND	200	239	ug/L	120	7.9	SW846 8260B
Vinyl chloride	ND	10.0	11.7	ug/L	117		SW846 8260B
	ND	10.0	12.2	ug/L	122	4.5	SW846 8260B
Acetone	ND	10.0	11.6	ug/L	116		SW846 8260B
	ND	10.0	11.5	ug/L	115	0.95	SW846 8260B
Methylene chloride	ND	10.0	9.31	ug/L	93		SW846 8260B
	ND	10.0	9.00	ug/L	90	3.4	SW846 8260B
Carbon disulfide	ND	10.0	10.8	ug/L	108		SW846 8260B
	ND	10.0	10.8	ug/L	108	0.83	SW846 8260B
1,1-Dichloroethane	ND	10.0	10.8	ug/L	108		SW846 8260B
	ND	10.0	10.6	ug/L	106	1.6	SW846 8260B
2-Butanone	ND	10.0	8.95	ug/L	90		SW846 8260B
	ND	10.0	9.20	ug/L	92	2.8	SW846 8260B
Chloroform	5.5	10.0	15.9	ug/L	104		SW846 8260B
	5.5	10.0	15.9	ug/L	104	0.25	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	11.0	ug/L	110		SW846 8260B
	ND	10.0	10.5	ug/L	105	4.8	SW846 8260B
Propionitrile	ND	50.0	53.7	ug/L	107		SW846 8260B
	ND	50.0	55.7	ug/L	111	3.7	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	10.6	ug/L	106		SW846 8260B
	ND	10.0	10.1	ug/L	101	4.2	SW846 8260B
1,1,1-Trichloroethane	ND	10.0	11.9	ug/L	119		SW846 8260B
	ND	10.0	11.7	ug/L	117	2.3	SW846 8260B
Carbon tetrachloride	4.4	10.0	16.2	ug/L	118		SW846 8260B
	4.4	10.0	16.3	ug/L	118	0.30	SW846 8260B
1,2-Dichloroethane	ND	10.0	10.6	ug/L	106		SW846 8260B
	ND	10.0	10.5	ug/L	105	0.94	SW846 8260B
Benzene	ND	10.0	10.6	ug/L	106		SW846 8260B
	ND	10.0	10.6	ug/L	106	0.37	SW846 8260B
Trichloroethene	4.6	10.0	14.6	ug/L	100		SW846 8260B
	4.6	10.0	15.0	ug/L	104	2.8	SW846 8260B
4-Methyl-2-pentanone	ND	10.0	8.03	ug/L	80		SW846 8260B
	ND	10.0	8.94	ug/L	89	11	SW846 8260B
1,1,2-Trichloroethane	ND	10.0	9.56	ug/L	96		SW846 8260B
	ND	10.0	9.62	ug/L	96	0.58	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL799 **Work Order #...:** LE6G31DL-MS **Matrix.....:** WATER
MS Lot-Sample #: F9F180163-001 LE6G31DM-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Tetrachloroethene	**ND**	**10.0**	**9.65**	**ug/L**	**97**		**SW846 8260B**
	ND	**10.0**	**9.57**	**ug/L**	**96**	**0.86**	**SW846 8260B**
Tetrahydrofuran	**ND**	**50.0**	**52.7**	**ug/L**	**105**		**SW846 8260B**
	ND	**50.0**	**52.6**	**ug/L**	**105**	**0.13**	**SW846 8260B**
1,4-Dichlorobenzene	**ND**	**10.0**	**8.82**	**ug/L**	**88**		**SW846 8260B**
	ND	**10.0**	**8.87**	**ug/L**	**89**	**0.58**	**SW846 8260B**
1-Butanol	**ND**	**100**	**75.8**	**ug/L**	**76**		**SW846 8260B**
	ND	**100**	**88.1**	**ug/L**	**88**	**15**	**SW846 8260B**
Toluene	**ND**	**10.0**	**9.34**	**ug/L**	**93**		**SW846 8260B**
	ND	**10.0**	**9.22**	**ug/L**	**92**	**1.3**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	89	(72 - 117)
	89	(72 - 117)
Dibromofluoromethane	97	(66 - 137)
	96	(66 - 137)
1,2-Dichloroethane-d4	95	(58 - 144)
	96	(58 - 144)
4-Bromofluorobenzene	90	(68 - 127)
	90	(68 - 127)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

GC/MS SEMIVOLATILES

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20DY0

GC/MS Semivolatiles

Lot-Sample #...: F9F020236-001 **Work Order #...:** LD6VF1AC **Matrix.....:** WATER
Date Sampled...: 05/28/09 **Date Received..:** 06/02/09
Prep Date.....: 06/03/09 **Analysis Date..:** 06/05/09
Prep Batch #...: 9154371
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,4-Dioxane	ND	10	ug/L	5.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	51	(19 - 75)
Phenol-d5	33	(10 - 59)
Nitrobenzene-d5	86	(40 - 96)
2-Fluorobiphenyl	77	(33 - 99)
2,4,6-Tribromophenol	80	(48 - 101)
Terphenyl-d14	91	(42 - 105)

CH2M Hill Plateau Remediation DOE RL

B20DY0

GC/MS Semivolatiles

Lot-Sample #: F9F020236-001 **Work Order #:** LD6VF1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown aldol condensate		25 J	M	3.9343	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: F9F020236 **Work Order #...:** LD9KG1AA **Matrix.....:** WATER
MB Lot-Sample #: F9F030000-371

Prep Date.....: 06/03/09
Analysis Date..: 06/05/09 **Prep Batch #...:** 9154371
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,4-Dioxane	ND	10	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	52	(19 - 75)
Phenol-d5	34	(10 - 59)
Nitrobenzene-d5	82	(40 - 96)
2-Fluorobiphenyl	73	(33 - 99)
2,4,6-Tribromophenol	77	(48 - 101)
Terphenyl-d14	87	(42 - 105)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

CH2M Hill Plateau Remediation DOE RL

Method Blank Report

GC/MS Semivolatiles

Lot-Sample #: F9F030000-371 B **Work Order #:** LD9KG1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown aldol condensate		24 J	M	3.9396	ug/L
Dodecanoic acid	143-07-7	7.7 J	M	7.6034	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: F9F020236 Work Order #...: LD9KG1AC Matrix.....: WATER
LCS Lot-Sample#: F9F030000-371
Prep Date.....: 06/03/09 Analysis Date..: 06/05/09
Prep Batch #...: 9154371
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phenol	33	(18 - 41)	SW846 8270C
bis(2-Chloroethyl)-ether	75	(36 - 93)	SW846 8270C
2-Chlorophenol	72	(41 - 90)	SW846 8270C
2-Methylphenol	68	(41 - 82)	SW846 8270C
2,2'-oxybis (1-Chloropropane)	75	(30 - 98)	SW846 8270C
N-Nitrosodi-n-propyl-amine	85	(44 - 105)	SW846 8270C
Hexachloroethane	48	(16 - 76)	SW846 8270C
Nitrobenzene	79	(39 - 95)	SW846 8270C
Isophorone	84	(50 - 107)	SW846 8270C
2-Nitrophenol	78	(44 - 95)	SW846 8270C
2,4-Dimethylphenol	72	(40 - 83)	SW846 8270C
bis(2-Chloroethoxy) methane	81	(44 - 93)	SW846 8270C
2,4-Dichlorophenol	76	(45 - 93)	SW846 8270C
1,2,4-Trichloro-benzene	55	(19 - 82)	SW846 8270C
Naphthalene	61	(23 - 86)	SW846 8270C
4-Chloroaniline	56	(17 - 77)	SW846 8270C
Hexachlorobutadiene	53	(17 - 80)	SW846 8270C
4-Chloro-3-methylphenol	76	(48 - 92)	SW846 8270C
2-Methylnaphthalene	60	(22 - 84)	SW846 8270C
Hexachlorocyclopenta-diene	60	(20 - 73)	SW846 8270C
2,4,6-Trichloro-phenol	80	(47 - 95)	SW846 8270C
2,4,5-Trichloro-phenol	79	(48 - 95)	SW846 8270C
2-Nitroaniline	89	(46 - 101)	SW846 8270C
Dimethyl phthalate	83	(52 - 96)	SW846 8270C
Acenaphthylene	77	(35 - 97)	SW846 8270C
2,6-Dinitrotoluene	85	(53 - 99)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: F9F020236 Work Order #...: LD9KG1AC Matrix.....: WATER
LCS Lot-Sample#: F9F030000-371

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
3-Nitroaniline	67	(38 - 87)	SW846 8270C
Acenaphthene	73	(33 - 95)	SW846 8270C
2,4-Dinitrophenol	63	(27 - 87)	SW846 8270C
4-Nitrophenol	42	(20 - 52)	SW846 8270C
Dibenzofuran	78	(38 - 94)	SW846 8270C
2,4-Dinitrotoluene	88	(51 - 102)	SW846 8270C
Diethyl phthalate	86	(52 - 101)	SW846 8270C
4-Chlorophenyl phenyl ether	81	(40 - 99)	SW846 8270C
Fluorene	81	(42 - 98)	SW846 8270C
4-Nitroaniline	83	(48 - 96)	SW846 8270C
4,6-Dinitro-2-methylphenol	77	(34 - 112)	SW846 8270C
N-Nitrosodiphenylamine	83	(49 - 98)	SW846 8270C
4-Bromophenyl phenyl ether	77	(42 - 97)	SW846 8270C
Hexachlorobenzene	80	(46 - 100)	SW846 8270C
Pentachlorophenol	70	(35 - 86)	SW846 8270C
Phenanthrene	77	(47 - 96)	SW846 8270C
Anthracene	80	(48 - 98)	SW846 8270C
Carbazole	80	(50 - 97)	SW846 8270C
Di-n-butyl phthalate	80	(51 - 100)	SW846 8270C
Fluoranthene	79	(49 - 100)	SW846 8270C
Pyrene	91	(38 - 102)	SW846 8270C
Butyl benzyl phthalate	92	(39 - 102)	SW846 8270C
3,3'-Dichlorobenzidine	60	(19 - 75)	SW846 8270C
Benzo(a)anthracene	88	(40 - 98)	SW846 8270C
Chrysene	91	(53 - 100)	SW846 8270C
bis(2-Ethylhexyl) phthalate	91	(40 - 102)	SW846 8270C
Di-n-octyl phthalate	93	(49 - 102)	SW846 8270C
Benzo(b)fluoranthene	89	(47 - 105)	SW846 8270C
Benzo(k)fluoranthene	98	(51 - 102)	SW846 8270C
Benzo(a)pyrene	88 T	(46 - 87)	SW846 8270C
Indeno(1,2,3-cd)pyrene	91	(42 - 106)	SW846 8270C
Dibenz(a,h)anthracene	92	(50 - 101)	SW846 8270C
Benzo(ghi)perylene	94	(50 - 103)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: F9F020236 **Work Order #...:** LD9KG1AC **Matrix.....:** WATER
LCS Lot-Sample#: F9F030000-371

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
3-Methylphenol & 4-Methylphenol	**74**	**(39 - 85)**	**SW846 8270C**
1,2-Dichlorobenzene	**54**	**(20 - 79)**	**SW846 8270C**
1,3-Dichlorobenzene	**51**	**(18 - 76)**	**SW846 8270C**
1,4-Dichlorobenzene	**50**	**(18 - 76)**	**SW846 8270C**
2-Chloronaphthalene	**66**	**(27 - 93)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	54	(28 - 64)
Phenol-d5	36	(19 - 44)
Nitrobenzene-d5	81	(37 - 98)
2-Fluorobiphenyl	70	(26 - 99)
2,4,6-Tribromophenol	86	(46 - 102)
Terphenyl-d14	94	(41 - 105)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

T Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: F9F020236 **Work Order #...:** LD6VF1AG-MS **Matrix.....:** WATER
MS Lot-Sample #: F9F020236-001 LD6VF1AH-MSD
Date Sampled...: 05/28/09 **Date Received..:** 06/02/09
Prep Date.....: 06/03/09 **Analysis Date..:** 06/05/09
Prep Batch #...: 9154371
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	30	(10 - 57)			SW846 8270C
	31	(10 - 57)	4.7	(0-20)	SW846 8270C
bis(2-Chloroethyl)-ether	72	(35 - 94)			SW846 8270C
	73	(35 - 94)	0.98	(0-20)	SW846 8270C
2-Chlorophenol	69	(34 - 96)			SW846 8270C
	71	(34 - 96)	2.8	(0-20)	SW846 8270C
2-Methylphenol	64	(37 - 86)			SW846 8270C
	66	(37 - 86)	2.5	(0-20)	SW846 8270C
3-Methylphenol & 4-Methylphenol	68	(27 - 97)			SW846 8270C
	71	(27 - 97)	2.3	(0-20)	SW846 8270C
2,2'-oxybis (1-Chloropropane)	75	(28 - 101)			SW846 8270C
	75	(28 - 101)	1.1	(0-20)	SW846 8270C
N-Nitrosodi-n-propyl-amine	83	(42 - 106)			SW846 8270C
	83	(42 - 106)	0.56	(0-20)	SW846 8270C
Hexachloroethane	54	(12 - 83)			SW846 8270C
	49	(12 - 83)	11	(0-20)	SW846 8270C
Nitrobenzene	78	(37 - 99)			SW846 8270C
	79	(37 - 99)	1.0	(0-20)	SW846 8270C
Isophorone	82	(49 - 109)			SW846 8270C
	84	(49 - 109)	1.8	(0-20)	SW846 8270C
2-Nitrophenol	77	(44 - 99)			SW846 8270C
	78	(44 - 99)	0.38	(0-20)	SW846 8270C
2,4-Dimethylphenol	69	(38 - 85)			SW846 8270C
	71	(38 - 85)	1.6	(0-20)	SW846 8270C
bis(2-Chloroethoxy) methane	79	(43 - 93)			SW846 8270C
	81	(43 - 93)	1.6	(0-20)	SW846 8270C
2,4-Dichlorophenol	73	(46 - 93)			SW846 8270C
	76	(46 - 93)	2.5	(0-20)	SW846 8270C

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: F9F020236 Work Order #...: LD6VF1AG-MS Matrix.....: WATER
MS Lot-Sample #: F9F020236-001 LD6VF1AH-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2,4-Trichloro-benzene	63	(18 - 90)			SW846 8270C
	60	(18 - 90)	5.6	(0-20)	SW846 8270C
Naphthalene	68	(26 - 91)			SW846 8270C
	67	(26 - 91)	2.8	(0-20)	SW846 8270C
4-Chloroaniline	56	(14 - 76)			SW846 8270C
	60	(14 - 76)	6.6	(0-20)	SW846 8270C
Hexachlorobutadiene	58	(16 - 88)			SW846 8270C
	53	(16 - 88)	8.7	(0-20)	SW846 8270C
4-Chloro-3-methylphenol	74	(47 - 96)			SW846 8270C
	75	(47 - 96)	1.2	(0-20)	SW846 8270C
2-Methylnaphthalene	69	(25 - 91)			SW846 8270C
	69	(25 - 91)	1.2	(0-20)	SW846 8270C
Hexachlorocyclopenta-diene	71	(10 - 84)			SW846 8270C
	69	(10 - 84)	3.8	(0-20)	SW846 8270C
2,4,6-Trichloro-phenol	78	(49 - 96)			SW846 8270C
	78	(49 - 96)	0.82	(0-20)	SW846 8270C
2,4,5-Trichloro-phenol	79	(50 - 96)			SW846 8270C
	82	(50 - 96)	2.7	(0-20)	SW846 8270C
2-Nitroaniline	86	(45 - 103)			SW846 8270C
	88	(45 - 103)	1.3	(0-20)	SW846 8270C
Dimethyl phthalate	82	(51 - 99)			SW846 8270C
	83	(51 - 99)	1.3	(0-20)	SW846 8270C
Acenaphthylene	82	(41 - 98)			SW846 8270C
	83	(41 - 98)	0.69	(0-20)	SW846 8270C
2,6-Dinitrotoluene	84	(53 - 103)			SW846 8270C
	85	(53 - 103)	0.88	(0-20)	SW846 8270C
3-Nitroaniline	66	(35 - 88)			SW846 8270C
	70	(35 - 88)	6.2	(0-20)	SW846 8270C
Acenaphthene	77	(40 - 96)			SW846 8270C
	79	(40 - 96)	1.9	(0-20)	SW846 8270C
2,4-Dinitrophenol	67	(20 - 121)			SW846 8270C
	71	(20 - 121)	4.6	(0-20)	SW846 8270C
4-Nitrophenol	38	(10 - 74)			SW846 8270C
	39	(10 - 74)	3.6	(0-20)	SW846 8270C

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: F9F020236 **Work Order #...:** LD6VF1AG-MS **Matrix.....:** WATER
MS Lot-Sample #: F9F020236-001 LD6VF1AH-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Dibenzofuran	81	(42 - 96)			SW846 8270C
	83	(42 - 96)	1.7	(0-20)	SW846 8270C
2,4-Dinitrotoluene	86	(51 - 106)			SW846 8270C
	89	(51 - 106)	2.0	(0-20)	SW846 8270C
Diethyl phthalate	85	(52 - 104)			SW846 8270C
	87	(52 - 104)	1.3	(0-20)	SW846 8270C
4-Chlorophenyl phenyl ether	83	(45 - 100)			SW846 8270C
	84	(45 - 100)	1.2	(0-20)	SW846 8270C
Fluorene	82	(46 - 99)			SW846 8270C
	84	(46 - 99)	1.1	(0-20)	SW846 8270C
4-Nitroaniline	79	(45 - 98)			SW846 8270C
	83	(45 - 98)	4.0	(0-20)	SW846 8270C
4,6-Dinitro-2-methylphenol	74	(21 - 129)			SW846 8270C
	76	(21 - 129)	1.4	(0-20)	SW846 8270C
N-Nitrosodiphenylamine	80	(45 - 101)			SW846 8270C
	81	(45 - 101)	0.37	(0-20)	SW846 8270C
4-Bromophenyl phenyl ether	76	(45 - 97)			SW846 8270C
	78	(45 - 97)	1.3	(0-20)	SW846 8270C
Hexachlorobenzene	77	(47 - 100)			SW846 8270C
	79	(47 - 100)	1.2	(0-20)	SW846 8270C
Pentachlorophenol	67	(33 - 94)			SW846 8270C
	68	(33 - 94)	1.1	(0-20)	SW846 8270C
Phenanthrene	76	(47 - 98)			SW846 8270C
	77	(47 - 98)	0.02	(0-20)	SW846 8270C
Anthracene	77	(47 - 99)			SW846 8270C
	78	(47 - 99)	0.38	(0-20)	SW846 8270C
Carbazole	77	(46 - 101)			SW846 8270C
	78	(46 - 101)	0.74	(0-20)	SW846 8270C
Di-n-butyl phthalate	78	(48 - 103)			SW846 8270C
	79	(48 - 103)	0.40	(0-20)	SW846 8270C
Fluoranthene	77	(46 - 104)			SW846 8270C
	78	(46 - 104)	0.56	(0-20)	SW846 8270C
Pyrene	89	(35 - 104)			SW846 8270C
	90	(35 - 104)	0.29	(0-20)	SW846 8270C
Butyl benzyl phthalate	89	(35 - 107)			SW846 8270C
	91	(35 - 107)	1.4	(0-20)	SW846 8270C

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: F9F020236 **Work Order #...:** LD6VF1AG-MS **Matrix.....:** WATER
MS Lot-Sample #: F9F020236-001 LD6VF1AH-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
3,3'-Dichlorobenzidine	56	(20 - 83)			SW846 8270C
	59	(20 - 83)	3.4	(0-20)	SW846 8270C
Benzo(a)anthracene	86	(36 - 101)			SW846 8270C
	88	(36 - 101)	0.93	(0-20)	SW846 8270C
Chrysene	88	(52 - 102)			SW846 8270C
	89	(52 - 102)	0.78	(0-20)	SW846 8270C
bis(2-Ethylhexyl) phthalate	88	(36 - 106)			SW846 8270C
	88	(36 - 106)	0.62	(0-20)	SW846 8270C
Di-n-octyl phthalate	89	(48 - 104)			SW846 8270C
	91	(48 - 104)	2.1	(0-20)	SW846 8270C
Benzo(b)fluoranthene	91	(48 - 108)			SW846 8270C
	96	(48 - 108)	4.1	(0-20)	SW846 8270C
Benzo(k)fluoranthene	90	(51 - 103)			SW846 8270C
	90	(51 - 103)	1.0	(0-20)	SW846 8270C
Benzo(a)pyrene	85	(45 - 90)			SW846 8270C
	88	(45 - 90)	2.6	(0-20)	SW846 8270C
Indeno(1,2,3-cd)pyrene	87	(35 - 114)			SW846 8270C
	91	(35 - 114)	4.1	(0-20)	SW846 8270C
Dibenz(a,h)anthracene	90	(47 - 106)			SW846 8270C
	93	(47 - 106)	2.2	(0-20)	SW846 8270C
Benzo(ghi)perylene	91	(43 - 111)			SW846 8270C
	95	(43 - 111)	2.6	(0-20)	SW846 8270C
1,2-Dichlorobenzene	60	(18 - 87)			SW846 8270C
	56	(18 - 87)	7.8	(0-20)	SW846 8270C
1,3-Dichlorobenzene	57	(16 - 83)			SW846 8270C
	52	(16 - 83)	10	(0-20)	SW846 8270C
1,4-Dichlorobenzene	56	(16 - 83)			SW846 8270C
	52	(16 - 83)	9.3	(0-20)	SW846 8270C
2-Chloronaphthalene	74	(33 - 96)			SW846 8270C
	75	(33 - 96)	0.59	(0-20)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	49	(19 - 75)
	51	(19 - 75)
Phenol-d5	32	(10 - 59)
	34	(10 - 59)
Nitrobenzene-d5	80	(40 - 96)
	81	(40 - 96)

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: F9F020236 **Work Order #...:** LD6VF1AG-MS **Matrix.....:** WATER
MS Lot-Sample #: F9F020236-001 LD6VF1AH-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorobiphenyl	79	(33 - 99)
	80	(33 - 99)
2,4,6-Tribromophenol	83	(48 - 101)
	83	(48 - 101)
Terphenyl-d14	91	(42 - 105)
	91	(42 - 105)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

PHENOL BY GC

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20J18

GC Semivolatiles

Lot-Sample #...: F9F020239-001 **Work Order #...:** LD6WH1AC **Matrix.....:** WATER
Date Sampled...: 05/28/09 **Date Received..:** 06/02/09
Prep Date.....: 06/03/09 **Analysis Date..:** 06/17/09
Prep Batch #...: 9154280
Dilution Factor: 1 **Method.....:** SW846 8040A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Chlorophenol	ND	5.0	ug/L	2.2
4-Chloro-3-methylphenol	ND	5.0	ug/L	2.4
3-Methylphenol & 4-Methylphenol	ND	5.0	ug/L	2.2
2-Methylphenol	ND	5.0	ug/L	2.2
2,4-Dichlorophenol	ND	5.0	ug/L	2.1
2,6-Dichlorophenol	ND	5.0	ug/L	2.1
2,4-Dimethylphenol	ND	5.0	ug/L	2.1
2,4-Dinitrophenol	ND	5.0	ug/L	2.4
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L	2.2
Dinoseb	ND	5.0	ug/L	2.4
2-Nitrophenol	ND	5.0	ug/L	2.3
4-Nitrophenol	ND	5.0	ug/L	2.2
Pentachlorophenol	ND	5.0	ug/L	2.4
Phenol	ND	5.0	ug/L	2.3
2,3,4,6-Tetrachlorophenol	ND	5.0	ug/L	2.0
2,4,5-Trichloro-phenol	ND	5.0	ug/L	2.2
2,4,6-Trichloro-phenol	ND	5.0	ug/L	2.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	76	(44 - 110)
2-Fluorophenol	61	(37 - 96)

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20J07

GC Semivolatiles

Lot-Sample #...: F9F020239-002 **Work Order #...:** LD6WL1AC **Matrix.....:** WATER
Date Sampled...: 05/28/09 **Date Received..:** 06/02/09
Prep Date.....: 06/03/09 **Analysis Date..:** 06/16/09
Prep Batch #...: 9154280
Dilution Factor: 1 **Method.....:** SW846 8040A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Chlorophenol	ND	5.0	ug/L	2.2
4-Chloro-3-methylphenol	ND	5.0	ug/L	2.4
3-Methylphenol & 4-Methylphenol	ND	5.0	ug/L	2.2
2-Methylphenol	ND	5.0	ug/L	2.2
2,4-Dichlorophenol	ND	5.0	ug/L	2.1
2,6-Dichlorophenol	ND	5.0	ug/L	2.1
2,4-Dimethylphenol	ND	5.0	ug/L	2.1
2,4-Dinitrophenol	ND	5.0	ug/L	2.4
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L	2.2
Dinoseb	ND	5.0	ug/L	2.4
2-Nitrophenol	ND	5.0	ug/L	2.3
4-Nitrophenol	ND	5.0	ug/L	2.2
Pentachlorophenol	ND	5.0	ug/L	2.4
Phenol	ND	5.0	ug/L	2.3
2,3,4,6-Tetrachlorophenol	ND	5.0	ug/L	2.0
2,4,5-Trichlorophenol	ND	5.0	ug/L	2.2
2,4,6-Trichlorophenol	ND	5.0	ug/L	2.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	107	(44 - 110)
2-Fluorophenol	58	(37 - 96)

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20HY0

GC Semivolatiles

Lot-Sample #...: F9F020239-003 **Work Order #...:** LD6WQ1AC **Matrix.....:** WATER
Date Sampled...: 05/28/09 **Date Received..:** 06/02/09
Prep Date.....: 06/03/09 **Analysis Date..:** 06/16/09
Prep Batch #...: 9154280
Dilution Factor: 1 **Method.....:** SW846 8040A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Chlorophenol	ND	5.0	ug/L	2.2
4-Chloro-3-methylphenol	ND	5.0	ug/L	2.4
3-Methylphenol & 4-Methylphenol	ND	5.0	ug/L	2.2
2-Methylphenol	ND	5.0	ug/L	2.2
2,4-Dichlorophenol	ND	5.0	ug/L	2.1
2,6-Dichlorophenol	ND	5.0	ug/L	2.1
2,4-Dimethylphenol	ND	5.0	ug/L	2.1
2,4-Dinitrophenol	ND	5.0	ug/L	2.4
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L	2.2
Dinoseb	ND	5.0	ug/L	2.4
2-Nitrophenol	ND	5.0	ug/L	2.3
4-Nitrophenol	ND	5.0	ug/L	2.2
Pentachlorophenol	ND	5.0	ug/L	2.4
Phenol	ND	5.0	ug/L	2.3
2,3,4,6-Tetrachlorophenol	ND	5.0	ug/L	2.0
2,4,5-Trichlorophenol	ND	5.0	ug/L	2.2
2,4,6-Trichlorophenol	ND	5.0	ug/L	2.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	106	(44 - 110)
2-Fluorophenol	64	(37 - 96)

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20HX9

GC Semivolatiles

Lot-Sample #...: F9F020239-004 **Work Order #...:** LD6WR1AC **Matrix.....:** WATER
Date Sampled...: 05/28/09 **Date Received..:** 06/02/09
Prep Date.....: 06/03/09 **Analysis Date..:** 06/16/09
Prep Batch #...: 9154280
Dilution Factor: 1 **Method.....:** SW846 8040A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Chlorophenol	ND	5.0	ug/L	2.2
4-Chloro-3-methylphenol	ND	5.0	ug/L	2.4
3-Methylphenol & 4-Methylphenol	ND	5.0	ug/L	2.2
2-Methylphenol	ND	5.0	ug/L	2.2
2,4-Dichlorophenol	ND	5.0	ug/L	2.1
2,6-Dichlorophenol	ND	5.0	ug/L	2.1
2,4-Dimethylphenol	ND	5.0	ug/L	2.1
2,4-Dinitrophenol	ND	5.0	ug/L	2.4
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L	2.2
Dinoseb	ND	5.0	ug/L	2.4
2-Nitrophenol	ND	5.0	ug/L	2.3
4-Nitrophenol	ND	5.0	ug/L	2.2
Pentachlorophenol	ND	5.0	ug/L	2.4
Phenol	ND	5.0	ug/L	2.3
2,3,4,6-Tetrachlorophenol	ND	5.0	ug/L	2.0
2,4,5-Trichloro-phenol	ND	5.0	ug/L	2.2
2,4,6-Trichloro-phenol	ND	5.0	ug/L	2.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	95	(44 - 110)
2-Fluorophenol	63	(37 - 96)

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: SL799 **Work Order #...:** LD8TW1AA **Matrix.....:** WATER
MB Lot-Sample #: F9F030000-280

Prep Date.....: 06/03/09
Analysis Date..: 06/16/09 **Prep Batch #...:** 9154280
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2-Chlorophenol	ND	5.0	ug/L	SW846 8040A
4-Chloro-3-methylphenol	ND	5.0	ug/L	SW846 8040A
3-Methylphenol & 4-Methylphenol	ND	5.0	ug/L	SW846 8040A
2-Methylphenol	ND	5.0	ug/L	SW846 8040A
2,4-Dichlorophenol	ND	5.0	ug/L	SW846 8040A
2,6-Dichlorophenol	ND	5.0	ug/L	SW846 8040A
2,4-Dimethylphenol	ND	5.0	ug/L	SW846 8040A
2,4-Dinitrophenol	ND	5.0	ug/L	SW846 8040A
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L	SW846 8040A
Dinoseb	ND	5.0	ug/L	SW846 8040A
2-Nitrophenol	ND	5.0	ug/L	SW846 8040A
4-Nitrophenol	ND	5.0	ug/L	SW846 8040A
Pentachlorophenol	ND	5.0	ug/L	SW846 8040A
Phenol	ND	5.0	ug/L	SW846 8040A
2,3,4,6-Tetrachlorophenol	ND	5.0	ug/L	SW846 8040A
2,4,5-Trichlorophenol	ND	5.0	ug/L	SW846 8040A
2,4,6-Trichlorophenol	ND	5.0	ug/L	SW846 8040A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	83	(44 - 110)
2-Fluorophenol	60	(37 - 96)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL799 **Work Order #...:** LD8TW1AC **Matrix.....:** WATER
LCS Lot-Sample#: F9F030000-280
Prep Date.....: 06/03/09 **Analysis Date..:** 06/16/09
Prep Batch #...: 9154280
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2-Chlorophenol	**100**	**59.6**	**ug/L**	**60**	**SW846 8040A**
4-Chloro-3-methylphenol	**100**	**65.3**	**ug/L**	**65**	**SW846 8040A**
3-Methylphenol & 4-Methylphenol	**100**	**57.7**	**ug/L**	**58**	**SW846 8040A**
2-Methylphenol	**100**	**58.1**	**ug/L**	**58**	**SW846 8040A**
2,4-Dichlorophenol	**100**	**61.5**	**ug/L**	**62**	**SW846 8040A**
2,6-Dichlorophenol	**100**	**64.3**	**ug/L**	**64**	**SW846 8040A**
2,4-Dimethylphenol	**100**	**61.9**	**ug/L**	**62**	**SW846 8040A**
2,4-Dinitrophenol	**100**	**83.8**	**ug/L**	**84**	**SW846 8040A**
4,6-Dinitro-2-methylphenol	**100**	**82.7**	**ug/L**	**83**	**SW846 8040A**
Dinoseb	**100**	**91.1**	**ug/L**	**91**	**SW846 8040A**
2-Nitrophenol	**100**	**73.4**	**ug/L**	**73**	**SW846 8040A**
4-Nitrophenol	**100**	**65.0**	**ug/L**	**65**	**SW846 8040A**
Pentachlorophenol	**100**	**74.8**	**ug/L**	**75**	**SW846 8040A**
Phenol	**100**	**49.2 N**	**ug/L**	**49**	**SW846 8040A**
2,3,4,6-Tetrachlorophenol	**100**	**76.9**	**ug/L**	**77**	**SW846 8040A**
2,4,5-Trichloro-phenol	**100**	**68.6**	**ug/L**	**69**	**SW846 8040A**
2,4,6-Trichloro-phenol	**100**	**72.5**	**ug/L**	**73**	**SW846 8040A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	107	(50 - 107)
2-Fluorophenol	55	(50 - 91)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL799 Work Order #...: LD6WL1AD-MS Matrix.....: WATER
MS Lot-Sample #: F9F020239-002 LD6WL1AE-MSD
Date Sampled...: 05/28/09 Date Received..: 06/02/09
Prep Date.....: 06/03/09 Analysis Date..: 06/16/09
Prep Batch #...: 9154280
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2-Chlorophenol	ND	95.4	61.2	ug/L	64		SW846 8040A
	ND	94.9	72.8	ug/L	77	17	SW846 8040A
4-Chloro-3-methylphenol	ND	95.4	65.8	ug/L	69		SW846 8040A
	ND	94.9	75.9	ug/L	80	14	SW846 8040A
3-Methylphenol & 4-Methylphenol	ND	95.4	59.5	ug/L	62		SW846 8040A
	ND	94.9	71.1	ug/L	75	18	SW846 8040A
2-Methylphenol	ND	95.4	60.4	ug/L	63		SW846 8040A
	ND	94.9	71.6	ug/L	75	17	SW846 8040A
2,4-Dichlorophenol	ND	95.4	61.5	ug/L	64		SW846 8040A
	ND	94.9	72.9	ug/L	77	17	SW846 8040A
2,6-Dichlorophenol	ND	95.4	64.6	ug/L	68		SW846 8040A
	ND	94.9	76.5	ug/L	81	17	SW846 8040A
2,4-Dimethylphenol	ND	95.4	62.9	ug/L	66		SW846 8040A
	ND	94.9	73.7	ug/L	78	16	SW846 8040A
2,4-Dinitrophenol	ND	95.4	81.1	ug/L	85		SW846 8040A
	ND	94.9	87.0	ug/L	92	7.1	SW846 8040A
4,6-Dinitro-2-methylphenol	ND	95.4	81.3	ug/L	85		SW846 8040A
	ND	94.9	86.5	ug/L	91	6.2	SW846 8040A
Dinoseb	ND	95.4	88.0	ug/L	92		SW846 8040A
	ND	94.9	92.6	ug/L	98	5.2	SW846 8040A
2-Nitrophenol	ND	95.4	72.0	ug/L	75		SW846 8040A
	ND	94.9	85.4	ug/L	90	17	SW846 8040A
4-Nitrophenol	ND	95.4	67.0	ug/L	70		SW846 8040A
	ND	94.9	72.2	ug/L	76	7.4	SW846 8040A
Pentachlorophenol	ND	95.4	74.3	ug/L	78		SW846 8040A
	ND	94.9	78.9	ug/L	83	6.0	SW846 8040A
Phenol	ND	95.4	53.5	ug/L	56		SW846 8040A
	ND	94.9	65.5	ug/L	69	20	SW846 8040A
2,3,4,6-Tetrachlorophenol	ND	95.4	77.6	ug/L	81		SW846 8040A
	ND	94.9	85.5	ug/L	90	9.7	SW846 8040A
2,4,5-Trichloro-phenol	ND	95.4	68.2	ug/L	71		SW846 8040A
	ND	94.9	79.1	ug/L	83	15	SW846 8040A

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MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL799 **Work Order #...:** LD6WL1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F9F020239-002 LD6WL1AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2,4,6-Trichloro-phenol	**ND**	**95.4**	**73.1**	**ug/L**	**77**		**SW846 8040A**
	ND	**94.9**	**84.4**	**ug/L**	**89**	**14**	**SW846 8040A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	110	(44 - 110)
	118 *	(44 - 110)
2-Fluorophenol	61	(37 - 96)
	74	(37 - 96)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

* Surrogate recovery is outside stated control limits.

METALS

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20M91

DISSOLVED Metals

Lot-Sample #...: F9F160241-001 **Matrix.....:** WATER
Date Sampled...: 06/15/09 **Date Received..:** 06/16/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9169210						
Antimony	ND	60.0	ug/L	SW846 6010B	06/18-06/23/09	LE2CA1AA
		Dilution Factor: 1		MDL.....: 4.0		
Barium	**62.3 B**	**200**	**ug/L**	**SW846 6010B**	**06/18-06/23/09**	**LE2CA1AC**
		Dilution Factor: 1		MDL.....: 0.85		
Beryllium	ND	5.0	ug/L	SW846 6010B	06/18-06/23/09	LE2CA1AD
		Dilution Factor: 1		MDL.....: 0.50		
Cadmium	ND	5.0	ug/L	SW846 6010B	06/18-06/23/09	LE2CA1AE
		Dilution Factor: 1		MDL.....: 0.45		
Calcium	**27000 C**	**5000**	**ug/L**	**SW846 6010B**	**06/18-06/23/09**	**LE2CA1AF**
		Dilution Factor: 1		MDL.....: 18.6		
Chromium	**57.0**	**10.0**	**ug/L**	**SW846 6010B**	**06/18-06/23/09**	**LE2CA1AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	06/18-06/23/09	LE2CA1AH
		Dilution Factor: 1		MDL.....: 4.0		
Copper	ND	25.0	ug/L	SW846 6010B	06/18-06/23/09	LE2CA1AJ
		Dilution Factor: 1		MDL.....: 4.6		
Iron	**110**	**100**	**ug/L**	**SW846 6010B**	**06/18-06/23/09**	**LE2CA1AK**
		Dilution Factor: 1		MDL.....: 16.0		
Magnesium	**8640**	**5000**	**ug/L**	**SW846 6010B**	**06/18-06/23/09**	**LE2CA1AL**
		Dilution Factor: 1		MDL.....: 110		
Manganese	**5.4 B**	**15.0**	**ug/L**	**SW846 6010B**	**06/18-06/23/09**	**LE2CA1AM**
		Dilution Factor: 1		MDL.....: 0.96		
Nickel	ND	40.0	ug/L	SW846 6010B	06/18-06/23/09	LE2CA1AN
		Dilution Factor: 1		MDL.....: 13.3		
Potassium	**110000 D,N**	**25000**	**ug/L**	**SW846 6010B**	**06/18-06/23/09**	**LE2CA1AP**
		Dilution Factor: 5		MDL.....: 8250		
Silver	ND	10.0	ug/L	SW846 6010B	06/18-06/23/09	LE2CA1AQ
		Dilution Factor: 1		MDL.....: 6.0		

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20M91

DISSOLVED Metals

Lot-Sample #...: F9F160241-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	28400	5000	ug/L	SW846 6010B	06/18-06/23/09	LE2CA1AR
		Dilution Factor: 1		MDL.....: 134		
Strontium	222	50.0	ug/L	SW846 6010B	06/18-06/23/09	LE2CA1AT
		Dilution Factor: 1		MDL.....: 0.54		
Vanadium	15.4 B	50.0	ug/L	SW846 6010B	06/18-06/23/09	LE2CA1AU
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	17.5 B,C	20.0	ug/L	SW846 6010B	06/18-06/23/09	LE2CA1AV
		Dilution Factor: 1		MDL.....: 5.2		

NOTE(S):

B Estimated result. Result is less than RL.

C Method blank contamination. The associated method blank contains the target analyte at a reportable level.

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20M92

TOTAL Metals

Lot-Sample #...: F9F160241-002 **Matrix.....:** WATER
Date Sampled...: 06/15/09 **Date Received..:** 06/16/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9169210						
Antimony	ND	60.0	ug/L	SW846 6010B	06/18-06/23/09	LE2CF1AC
		Dilution Factor: 1		MDL.....: 4.0		
Barium	**62.5 B**	**200**	**ug/L**	**SW846 6010B**	**06/18-06/23/09**	**LE2CF1AD**
		Dilution Factor: 1		MDL.....: 0.85		
Beryllium	ND	5.0	ug/L	SW846 6010B	06/18-06/23/09	LE2CF1AE
		Dilution Factor: 1		MDL.....: 0.50		
Cadmium	ND	5.0	ug/L	SW846 6010B	06/18-06/23/09	LE2CF1AF
		Dilution Factor: 1		MDL.....: 0.45		
Calcium	**27000 C**	**5000**	**ug/L**	**SW846 6010B**	**06/18-06/23/09**	**LE2CF1AG**
		Dilution Factor: 1		MDL.....: 18.6		
Chromium	**57.3**	**10.0**	**ug/L**	**SW846 6010B**	**06/18-06/23/09**	**LE2CF1AH**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	06/18-06/23/09	LE2CF1AJ
		Dilution Factor: 1		MDL.....: 4.0		
Copper	**5.5 B**	**25.0**	**ug/L**	**SW846 6010B**	**06/18-06/23/09**	**LE2CF1AK**
		Dilution Factor: 1		MDL.....: 4.6		
Iron	**106**	**100**	**ug/L**	**SW846 6010B**	**06/18-06/23/09**	**LE2CF1AL**
		Dilution Factor: 1		MDL.....: 16.0		
Magnesium	**8710**	**5000**	**ug/L**	**SW846 6010B**	**06/18-06/23/09**	**LE2CF1AM**
		Dilution Factor: 1		MDL.....: 110		
Manganese	**3.1 B**	**15.0**	**ug/L**	**SW846 6010B**	**06/18-06/23/09**	**LE2CF1AN**
		Dilution Factor: 1		MDL.....: 0.96		
Nickel	ND	40.0	ug/L	SW846 6010B	06/18-06/23/09	LE2CF1AP
		Dilution Factor: 1		MDL.....: 13.3		
Potassium	**111000 D,N**	**25000**	**ug/L**	**SW846 6010B**	**06/18-06/23/09**	**LE2CF1AQ**
		Dilution Factor: 5		MDL.....: 8250		
Silver	ND	10.0	ug/L	SW846 6010B	06/18-06/23/09	LE2CF1AR
		Dilution Factor: 1		MDL.....: 6.0		

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20M92

TOTAL Metals

Lot-Sample #...: F9F160241-002 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	28000	5000	ug/L	SW846 6010B	06/18-06/23/09	LE2CF1AT
		Dilution Factor: 1		MDL.....: 134		
Strontium	220	50.0	ug/L	SW846 6010B	06/18-06/23/09	LE2CF1AU
		Dilution Factor: 1		MDL.....: 0.54		
Vanadium	14.4 B	50.0	ug/L	SW846 6010B	06/18-06/23/09	LE2CF1AV
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	8.7 B,C	20.0	ug/L	SW846 6010B	06/18-06/23/09	LE2CF1AW
		Dilution Factor: 1		MDL.....: 5.2		

NOTE(S):

B Estimated result. Result is less than RL.

C Method blank contamination. The associated method blank contains the target analyte at a reportable level.

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: SL799 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: F9F180000-210 **Prep Batch #...:** 9169210						
Antimony	ND	60.0	ug/L	SW846 6010B	06/18-06/23/09	LE5701AA
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010B	06/18-06/23/09	LE5701AC
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	06/18-06/23/09	LE5701AD
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	06/18-06/23/09	LE5701AE
		Dilution Factor: 1				
Calcium	**37.4 B**	**5000**	**ug/L**	**SW846 6010B**	**06/18-06/23/09**	**LE5701AF**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	06/18-06/23/09	LE5701AG
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010B	06/18-06/23/09	LE5701AH
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	06/18-06/23/09	LE5701AJ
		Dilution Factor: 1				
Iron	ND	100	ug/L	SW846 6010B	06/18-06/23/09	LE5701AK
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010B	06/18-06/23/09	LE5701AL
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010B	06/18-06/23/09	LE5701AM
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	06/18-06/23/09	LE5701AN
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010B	06/18-06/23/09	LE5701AP
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	06/18-06/23/09	LE5701AQ
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010B	06/18-06/23/09	LE5701AR
		Dilution Factor: 1				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: SL799 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Strontium	ND	50.0	ug/L	SW846 6010B	06/18-06/23/09	LE5701AT
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010B	06/18-06/23/09	LE5701AU
		Dilution Factor: 1				
Zinc	**9.6 B**	**20.0**	**ug/L**	**SW846 6010B**	**06/18-06/23/09**	**LE5701AV**
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: SL799 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: F9F180000-210 **Prep Batch #...:** 9169210						
Antimony	ND	60.0	ug/L	SW846 6010B	06/18-06/23/09	LE5701CH
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010B	06/18-06/23/09	LE5701CJ
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	06/18-06/23/09	LE5701CK
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	06/18-06/23/09	LE5701CL
		Dilution Factor: 1				
Calcium	**37.4 B**	**5000**	**ug/L**	**SW846 6010B**	**06/18-06/23/09**	**LE5701CM**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	06/18-06/23/09	LE5701CN
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010B	06/18-06/23/09	LE5701CP
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	06/18-06/23/09	LE5701CQ
		Dilution Factor: 1				
Iron	ND	100	ug/L	SW846 6010B	06/18-06/23/09	LE5701CR
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010B	06/18-06/23/09	LE5701CT
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010B	06/18-06/23/09	LE5701CU
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	06/18-06/23/09	LE5701CV
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010B	06/18-06/23/09	LE5701CW
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	06/18-06/23/09	LE5701CX
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010B	06/18-06/23/09	LE5701C0
		Dilution Factor: 1				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: SL799 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Strontium	ND	50.0	ug/L	SW846 6010B	06/18-06/23/09	LE5701C1
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010B	06/18-06/23/09	LE5701C2
		Dilution Factor: 1				
Zinc	**9.6 B**	**20.0**	**ug/L**	**SW846 6010B**	**06/18-06/23/09**	**LE5701C3**
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: SL799 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: F9F180000-210 **Prep Batch #...:** 9169210							
Antimony	1000	1000	ug/L	100	SW846 6010B	06/18-06/23/09	LE5701AW
			Dilution Factor: 1				
Barium	1000	1070	ug/L	107	SW846 6010B	06/18-06/23/09	LE5701AX
			Dilution Factor: 1				
Beryllium	1000	1110	ug/L	111	SW846 6010B	06/18-06/23/09	LE5701A0
			Dilution Factor: 1				
Cadmium	1000	1060	ug/L	106	SW846 6010B	06/18-06/23/09	LE5701A1
			Dilution Factor: 1				
Calcium	10000	10500	ug/L	105	SW846 6010B	06/18-06/23/09	LE5701A2
			Dilution Factor: 1				
Chromium	1000	1030	ug/L	103	SW846 6010B	06/18-06/23/09	LE5701A3
			Dilution Factor: 1				
Cobalt	1000	1040	ug/L	104	SW846 6010B	06/18-06/23/09	LE5701A4
			Dilution Factor: 1				
Copper	1000	1010	ug/L	101	SW846 6010B	06/18-06/23/09	LE5701A5
			Dilution Factor: 1				
Iron	10000	10600	ug/L	106	SW846 6010B	06/18-06/23/09	LE5701A6
			Dilution Factor: 1				
Magnesium	10000	10700	ug/L	107	SW846 6010B	06/18-06/23/09	LE5701A7
			Dilution Factor: 1				
Manganese	1000	1060	ug/L	106	SW846 6010B	06/18-06/23/09	LE5701A8
			Dilution Factor: 1				
Nickel	1000	1040	ug/L	104	SW846 6010B	06/18-06/23/09	LE5701A9
			Dilution Factor: 1				
Potassium	10000	9880	ug/L	99	SW846 6010B	06/18-06/23/09	LE5701CA
			Dilution Factor: 1				
Silver	100	92.5	ug/L	92	SW846 6010B	06/18-06/23/09	LE5701CC
			Dilution Factor: 1				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: SL799 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	10000	10500	ug/L	105	SW846 6010B	06/18-06/23/09	LE5701CD
			Dilution Factor: 1				
Strontium	1000	1070	ug/L	107	SW846 6010B	06/18-06/23/09	LE5701CE
			Dilution Factor: 1				
Vanadium	1000	1050	ug/L	105	SW846 6010B	06/18-06/23/09	LE5701CF
			Dilution Factor: 1				
Zinc	1000	1120	ug/L	112	SW846 6010B	06/18-06/23/09	LE5701CG
			Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL799 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: F9F180000-210 **Prep Batch #...:** 9169210							
Antimony	1000	1000	ug/L	100	SW846 6010B	06/18-06/23/09	LE5701C4
			Dilution Factor: 1				
Barium	1000	1070	ug/L	107	SW846 6010B	06/18-06/23/09	LE5701C5
			Dilution Factor: 1				
Beryllium	1000	1110	ug/L	111	SW846 6010B	06/18-06/23/09	LE5701C6
			Dilution Factor: 1				
Cadmium	1000	1060	ug/L	106	SW846 6010B	06/18-06/23/09	LE5701C7
			Dilution Factor: 1				
Calcium	10000	10500	ug/L	105	SW846 6010B	06/18-06/23/09	LE5701C8
			Dilution Factor: 1				
Chromium	1000	1030	ug/L	103	SW846 6010B	06/18-06/23/09	LE5701C9
			Dilution Factor: 1				
Cobalt	1000	1040	ug/L	104	SW846 6010B	06/18-06/23/09	LE5701DA
			Dilution Factor: 1				
Copper	1000	1010	ug/L	101	SW846 6010B	06/18-06/23/09	LE5701DC
			Dilution Factor: 1				
Iron	10000	10600	ug/L	106	SW846 6010B	06/18-06/23/09	LE5701DD
			Dilution Factor: 1				
Magnesium	10000	10700	ug/L	107	SW846 6010B	06/18-06/23/09	LE5701DE
			Dilution Factor: 1				
Manganese	1000	1060	ug/L	106	SW846 6010B	06/18-06/23/09	LE5701DF
			Dilution Factor: 1				
Nickel	1000	1040	ug/L	104	SW846 6010B	06/18-06/23/09	LE5701DG
			Dilution Factor: 1				
Potassium	10000	9880	ug/L	99	SW846 6010B	06/18-06/23/09	LE5701DH
			Dilution Factor: 1				
Silver	100	92.5	ug/L	92	SW846 6010B	06/18-06/23/09	LE5701DJ
			Dilution Factor: 1				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL799 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	10000	10500	ug/L	105	SW846 6010B	06/18-06/23/09	LE5701DK
			Dilution Factor: 1				
Strontium	1000	1070	ug/L	107	SW846 6010B	06/18-06/23/09	LE5701DL
			Dilution Factor: 1				
Vanadium	1000	1050	ug/L	105	SW846 6010B	06/18-06/23/09	LE5701DM
			Dilution Factor: 1				
Zinc	1000	1120	ug/L	112	SW846 6010B	06/18-06/23/09	LE5701DN
			Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: SL799 **Matrix.....:** WATER
Date Sampled...: 06/15/09 **Date Received..:** 06/16/09

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F9F160241-002 **Prep Batch #...:** 9169210									
Antimony									
	ND	1000	991	ug/L	99		SW846 6010B	06/18-06/23/09	LE2CF1A5
	ND	1000	1010	ug/L	101	2.2	SW846 6010B	06/18-06/23/09	LE2CF1A6
			Dilution Factor: 1						
Barium									
	62.5	1000	1130	ug/L	107		SW846 6010B	06/18-06/23/09	LE2CF1A7
	62.5	1000	1180	ug/L	112	4.2	SW846 6010B	06/18-06/23/09	LE2CF1A8
			Dilution Factor: 1						
Beryllium									
	ND	1000	1080	ug/L	108		SW846 6010B	06/18-06/23/09	LE2CF1A9
	ND	1000	1130	ug/L	113	4.5	SW846 6010B	06/18-06/23/09	LE2CF1CA
			Dilution Factor: 1						
Cadmium									
	ND	1000	1020	ug/L	102		SW846 6010B	06/18-06/23/09	LE2CF1CC
	ND	1000	1040	ug/L	104	1.8	SW846 6010B	06/18-06/23/09	LE2CF1CD
			Dilution Factor: 1						
Calcium									
	27000	10000	36200	ug/L	92		SW846 6010B	06/18-06/23/09	LE2CF1CE
	27000	10000	38200	ug/L	111	5.1	SW846 6010B	06/18-06/23/09	LE2CF1CF
			Dilution Factor: 1						
Chromium									
	57.3	1000	1040	ug/L	98		SW846 6010B	06/18-06/23/09	LE2CF1CG
	57.3	1000	1080	ug/L	102	3.3	SW846 6010B	06/18-06/23/09	LE2CF1CH
			Dilution Factor: 1						
Cobalt									
	ND	1000	1010	ug/L	101		SW846 6010B	06/18-06/23/09	LE2CF1CJ
	ND	1000	1040	ug/L	104	3.4	SW846 6010B	06/18-06/23/09	LE2CF1CK
			Dilution Factor: 1						
Copper									
	5.5	1000	1030	ug/L	102		SW846 6010B	06/18-06/23/09	LE2CF1CL
	5.5	1000	1070	ug/L	107	3.9	SW846 6010B	06/18-06/23/09	LE2CF1CM
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: SL799 **Matrix.....:** WATER
Date Sampled...: 06/15/09 **Date Received..:** 06/16/09

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron									
	106	10000	10300	ug/L	102		SW846 6010B	06/18-06/23/09	LE2CF1CN
	106	10000	10600	ug/L	105	3.1	SW846 6010B	06/18-06/23/09	LE2CF1CP
			Dilution Factor: 1						
Magnesium									
	8710	10000	18600	ug/L	99		SW846 6010B	06/18-06/23/09	LE2CF1CQ
	8710	10000	19500	ug/L	108	4.6	SW846 6010B	06/18-06/23/09	LE2CF1CR
			Dilution Factor: 1						
Manganese									
	3.1	1000	1020	ug/L	102		SW846 6010B	06/18-06/23/09	LE2CF1CT
	3.1	1000	1050	ug/L	105	3.2	SW846 6010B	06/18-06/23/09	LE2CF1CU
			Dilution Factor: 1						
Nickel									
	ND	1000	1000	ug/L	100		SW846 6010B	06/18-06/23/09	LE2CF1CV
	ND	1000	1030	ug/L	103	2.4	SW846 6010B	06/18-06/23/09	LE2CF1CW
			Dilution Factor: 1						
Potassium									
	111000	10000	121000	ug/L	98		SW846 6010B	06/18-06/23/09	LE2CF1CX
			Qualifiers: D						
	111000	10000	135000	ug/L	235	11	SW846 6010B	06/18-06/23/09	LE2CF1C0
			Qualifiers: N,D						
			Dilution Factor: 5						
Silver									
	ND	100	94.3	ug/L	94		SW846 6010B	06/18-06/23/09	LE2CF1C1
	ND	100	95.0	ug/L	95	0.72	SW846 6010B	06/18-06/23/09	LE2CF1C2
			Dilution Factor: 1						
Sodium									
	28000	10000	37300	ug/L	93		SW846 6010B	06/18-06/23/09	LE2CF1C3
	28000	10000	38900	ug/L	110	4.4	SW846 6010B	06/18-06/23/09	LE2CF1C4
			Dilution Factor: 1						
Strontium									
	220	1000	1280	ug/L	106		SW846 6010B	06/18-06/23/09	LE2CF1C5
	220	1000	1320	ug/L	110	3.1	SW846 6010B	06/18-06/23/09	LE2CF1C6
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: SL799 **Matrix.....:** WATER
Date Sampled...: 06/15/09 **Date Received..:** 06/16/09

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium									
	14.4	1000	1040	ug/L	102		SW846 6010B	06/18-06/23/09	LE2CF1C7
	14.4	1000	1080	ug/L	106	3.8	SW846 6010B	06/18-06/23/09	LE2CF1C8
			Dilution Factor: 1						
Zinc									
	8.7	1000	1110	ug/L	110		SW846 6010B	06/18-06/23/09	LE2CF1C9
	8.7	1000	1130	ug/L	112	2.0	SW846 6010B	06/18-06/23/09	LE2CF1DA
			Dilution Factor: 1						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

D Result was obtained from the analysis of a dilution.

WET CHEMISTRY

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20DY0

General Chemistry

Lot-Sample #...: F9F020236-001 **Work Order #...:** LD6VF **Matrix.....:** WATER
Date Sampled...: 05/28/09 **Date Received..:** 06/02/09

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrogen, as Ammonia	**56.7 N**	**50.0**	**ug/L**	**MCAWW 350.1**	**06/15/09**	**9163336**
		Dilution Factor: 1		MDL.....: 8.1		
Phenol	ND	50.0	ug/L	MCAWW 420.2	06/16-06/17/09	9161183
		Dilution Factor: 1		MDL.....: 14.0		
Total Sulfide	ND	1.0	mg/L	SW846 9030	06/04/09	9156228
		Dilution Factor: 1		MDL.....: 0.083		

NOTE(S):

RL Reporting Limit

N Spiked analyte recovery is outside stated control limits.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20VC3

General Chemistry

Lot-Sample #...: F9F030294-001 Work Order #...: LD9E6 Matrix.....: WATER
Date Sampled...: 06/02/09 Date Received..: 06/03/09

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	19.3 D	2.0	mg/L	MCAWW 300.0A	06/04/09	9155133
		Dilution Factor: 10		MDL.....: 0.20		
Fluoride	0.30	0.10	mg/L	MCAWW 300.0A	06/03/09	9155129
		Dilution Factor: 1		MDL.....: 0.010		
Nitrite	0.0065 B	0.020	mg/L	MCAWW 300.0A	06/03/09	9155131
		Dilution Factor: 1		MDL.....: 0.0030		
Nitrogen, Nitrate	16.0 D	1.0	mg/L	MCAWW 300.0A	06/04/09	9155132
		Dilution Factor: 50		MDL.....: 0.43		
Sulfate	102 D	5.0	mg/L	MCAWW 300.0A	06/04/09	9155130
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

B Estimated result. Result is less than RL.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20VF5

General Chemistry

Lot-Sample #...: F9F030294-002 Work Order #...: LD9E7 Matrix.....: WATER
Date Sampled...: 06/02/09 Date Received..: 06/03/09

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**48.3 D**	**20.0**	**mg/L**	**MCAWW 300.0A**	**06/04/09**	**9155133**
		Dilution Factor: 100		MDL.....: 2.0		
Fluoride	**0.27**	**0.10**	**mg/L**	**MCAWW 300.0A**	**06/03/09**	**9155129**
		Dilution Factor: 1		MDL.....: 0.010		
Nitrite	ND	0.020	mg/L	MCAWW 300.0A	06/03/09	9155131
		Dilution Factor: 1		MDL.....: 0.0030		
Nitrogen, Nitrate	**187 D**	**20.0**	**mg/L**	**MCAWW 300.0A**	**06/04/09**	**9155132**
		Dilution Factor: 1000		MDL.....: 8.6		
Sulfate	**233 D**	**50.0**	**mg/L**	**MCAWW 300.0A**	**06/04/09**	**9155130**
		Dilution Factor: 100		MDL.....: 5.0		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20VD3

General Chemistry

Lot-Sample #...: F9F030294-003 Work Order #...: LD9E9 Matrix.....: WATER
Date Sampled...: 06/02/09 Date Received..: 06/03/09

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	48.0 D	10.0	mg/L	MCAWW 300.0A	06/04/09	9155133
		Dilution Factor: 50		MDL.....: 1.0		
Fluoride	0.20	0.10	mg/L	MCAWW 300.0A	06/03/09	9155129
		Dilution Factor: 1		MDL.....: 0.010		
Nitrite	ND	0.020	mg/L	MCAWW 300.0A	06/03/09	9155131
		Dilution Factor: 1		MDL.....: 0.0030		
Nitrogen, Nitrate	203 D	20.0	mg/L	MCAWW 300.0A	06/04/09	9155132
		Dilution Factor: 1000		MDL.....: 8.6		
Sulfate	243 D	25.0	mg/L	MCAWW 300.0A	06/04/09	9155130
		Dilution Factor: 50		MDL.....: 2.5		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20VF3

General Chemistry

Lot-Sample #...: F9F030294-004 Work Order #...: LD9FA Matrix.....: WATER
Date Sampled...: 06/02/09 Date Received..: 06/03/09

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	23.2 D	2.0	mg/L	MCAWW 300.0A	06/04/09	9155133
		Dilution Factor: 10		MDL.....: 0.20		
Fluoride	0.35	0.10	mg/L	MCAWW 300.0A	06/03/09	9155129
		Dilution Factor: 1		MDL.....: 0.010		
Nitrite	ND	0.020	mg/L	MCAWW 300.0A	06/03/09	9155131
		Dilution Factor: 1		MDL.....: 0.0030		
Nitrogen, Nitrate	141 D	20.0	mg/L	MCAWW 300.0A	06/04/09	9155132
		Dilution Factor: 1000		MDL.....: 8.6		
Sulfate	121 D	5.0	mg/L	MCAWW 300.0A	06/04/09	9155130
		Dilution Factor: 10		MDL.....: 0.50		
Total Alkalinity	95.0	5.0	mg/L	MCAWW 310.1	06/11/09	9162118
		Dilution Factor: 1		MDL.....: 0.31		
Total Cyanide	4.5 B,N	5.0	ug/L	SW846 9012	06/11-06/16/09	9159476
		Dilution Factor: 1		MDL.....: 3.6		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

B Estimated result. Result is less than RL.

N Spiked analyte recovery is outside stated control limits.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20J48

General Chemistry

Lot-Sample #...: F9F030297-001 Work Order #...: LD9FN Matrix.....: WATER
Date Sampled...: 06/02/09 Date Received..: 06/03/09

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity	117	5.0	mg/L	MCAWW 310.1	06/11/09	9162118
		Dilution Factor: 1		MDL.....: 0.31		
Total Cyanide	4.5 B,N	5.0	ug/L	SW846 9012	06/11-06/16/09	9159476
		Dilution Factor: 1		MDL.....: 3.6		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

N Spiked analyte recovery is outside stated control limits.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20VP8

General Chemistry

Lot-Sample #...: F9F030297-002 Work Order #...: LD9FT Matrix.....: WATER
Date Sampled...: 06/02/09 Date Received..: 06/03/09

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity	114	5.0	mg/L	MCAWW 310.1	06/11/09	9162118
		Dilution Factor: 1		MDL.....: 0.31		
Total Cyanide	14.4 N	5.0	ug/L	SW846 9012	06/11-06/16/09	9159476
		Dilution Factor: 1		MDL.....: 3.6		

NOTE(S):

RL Reporting Limit

N Spiked analyte recovery is outside stated control limits.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20VP5

General Chemistry

Lot-Sample #...: F9F030297-003 **Work Order #...:** LD9FX **Matrix.....:** WATER
Date Sampled...: 06/02/09 **Date Received..:** 06/03/09

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity	91.0	5.0	mg/L	MCAWW 310.1	06/11/09	9162118
		Dilution Factor: 1		MDL.....: 0.31		
Total Cyanide	289 N	5.0	ug/L	SW846 9012	06/11-06/16/09	9159476
		Dilution Factor: 1		MDL.....: 3.6		

NOTE(S):

RL Reporting Limit

N Spiked analyte recovery is outside stated control limits.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20CV3

General Chemistry

Lot-Sample #...: F9F050190-001 **Work Order #...:** LEEEC **Matrix.....:** WATER
Date Sampled...: 06/04/09 **Date Received..:** 06/05/09

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**14.0 D**	**2.0**	**mg/L**	**MCAWW 300.0A**	**06/05/09**	**9156418**
		Dilution Factor: 10		MDL.....: 0.20		
Fluoride	**0.10**	**0.10**	**mg/L**	**MCAWW 300.0A**	**06/05/09**	**9156419**
		Dilution Factor: 1		MDL.....: 0.010		
Nitrite	ND	0.020	mg/L	MCAWW 300.0A	06/05/09	9156421
		Dilution Factor: 1		MDL.....: 0.0030		
Nitrogen, Nitrate	**3.7 D**	**0.20**	**mg/L**	**MCAWW 300.0A**	**06/05/09**	**9156422**
		Dilution Factor: 10		MDL.....: 0.086		
Sulfate	**38.0 D**	**5.0**	**mg/L**	**MCAWW 300.0A**	**06/05/09**	**9156420**
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20FL8

General Chemistry

Lot-Sample #...: F9F050195-001 Work Order #...: LEEEV Matrix.....: WATER
Date Sampled...: 06/04/09 Date Received..: 06/05/09

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	16.5 D	2.0	mg/L	MCAWW 300.0A	06/05/09	9156418
		Dilution Factor: 10		MDL.....: 0.20		
Fluoride	0.11	0.10	mg/L	MCAWW 300.0A	06/05/09	9156419
		Dilution Factor: 1		MDL.....: 0.010		
Nitrite	0.44	0.020	mg/L	MCAWW 300.0A	06/05/09	9156421
		Dilution Factor: 1		MDL.....: 0.0030		
Nitrogen, Nitrate	10.3 D	1.0	mg/L	MCAWW 300.0A	06/05/09	9156422
		Dilution Factor: 50		MDL.....: 0.43		
Sulfate	89.4 D	5.0	mg/L	MCAWW 300.0A	06/05/09	9156420
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20FP5

General Chemistry

Lot-Sample #...: F9F050195-002 **Work Order #...:** LEEEW **Matrix.....:** WATER
Date Sampled...: 06/04/09 **Date Received..:** 06/05/09

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	26.1 D	2.0	mg/L	MCAWW 300.0A	06/05/09	9156418
		Dilution Factor: 10		MDL.....: 0.20		
Fluoride	0.16	0.10	mg/L	MCAWW 300.0A	06/05/09	9156419
		Dilution Factor: 1		MDL.....: 0.010		
Nitrite	0.051	0.020	mg/L	MCAWW 300.0A	06/05/09	9156421
		Dilution Factor: 1		MDL.....: 0.0030		
Nitrogen, Nitrate	2.4 D	0.20	mg/L	MCAWW 300.0A	06/05/09	9156422
		Dilution Factor: 10		MDL.....: 0.086		
Sulfate	195 D	5.0	mg/L	MCAWW 300.0A	06/05/09	9156420
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20M92

General Chemistry

Lot-Sample #...: F9F160241-002 Work Order #...: LE2CF Matrix.....: WATER
Date Sampled...: 06/15/09 Date Received..: 06/16/09

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	22.1 D	2.0	mg/L	MCAWW 300.0A	06/17/09	9168162
		Dilution Factor: 10		MDL.....: 0.20		
Fluoride	0.33	0.10	mg/L	MCAWW 300.0A	06/16/09	9168165
		Dilution Factor: 1		MDL.....: 0.010		
Nitrite	0.077	0.020	mg/L	MCAWW 300.0A	06/16/09	9168166
		Dilution Factor: 1		MDL.....: 0.0030		
Nitrogen, as Ammonia	44.6 B,N	50.0	ug/L	MCAWW 350.1	06/17/09	9168181
		Dilution Factor: 1		MDL.....: 8.1		
Nitrogen, Nitrate	3.3 D	0.20	mg/L	MCAWW 300.0A	06/17/09	9168167
		Dilution Factor: 10		MDL.....: 0.086		
Sulfate	128 D	5.0	mg/L	MCAWW 300.0A	06/17/09	9168163
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

B Estimated result. Result is less than RL.

N Spiked analyte recovery is outside stated control limits.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B20NM6

General Chemistry

Lot-Sample #...: F9F160242-001 **Work Order #...:** LE2CV **Matrix.....:** WATER
Date Sampled...: 06/15/09 **Date Received..:** 06/16/09

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**12.7 D**	**2.0**	**mg/L**	**MCAWW 300.0A**	**06/16/09**	**9168162**
		Dilution Factor: 10		MDL.....: 0.20		
Fluoride	**0.12**	**0.10**	**mg/L**	**MCAWW 300.0A**	**06/16/09**	**9168165**
		Dilution Factor: 1		MDL.....: 0.010		
Nitrite	ND	0.020	mg/L	MCAWW 300.0A	06/16/09	9168166
		Dilution Factor: 1		MDL.....: 0.0030		
Nitrogen, Nitrate	**9.0 D**	**0.20**	**mg/L**	**MCAWW 300.0A**	**06/16/09**	**9168167**
		Dilution Factor: 10		MDL.....: 0.086		
Sulfate	**90.0 D**	**5.0**	**mg/L**	**MCAWW 300.0A**	**06/16/09**	**9168163**
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: SL799 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: LEE1P1AA		MB Lot-Sample #:	F9F040000-133	
	ND	0.20	mg/L	MCAWW 300.0A	06/03/09	9155133
		Dilution Factor: 1				
Chloride		Work Order #: LELG41AA		MB Lot-Sample #:	F9F050000-418	
	ND	0.20	mg/L	MCAWW 300.0A	06/05/09	9156418
		Dilution Factor: 1				
Chloride		Work Order #: LE62D1AA		MB Lot-Sample #:	F9F170000-162	
	ND	0.20	mg/L	MCAWW 300.0A	06/16/09	9168162
		Dilution Factor: 1				
Fluoride		Work Order #: LEE1F1AA		MB Lot-Sample #:	F9F040000-129	
	ND	0.10	mg/L	MCAWW 300.0A	06/03/09	9155129
		Dilution Factor: 1				
Fluoride		Work Order #: LELG61AA		MB Lot-Sample #:	F9F050000-419	
	ND	0.10	mg/L	MCAWW 300.0A	06/05/09	9156419
		Dilution Factor: 1				
Fluoride		Work Order #: LE62T1AA		MB Lot-Sample #:	F9F170000-165	
	ND	0.10	mg/L	MCAWW 300.0A	06/16/09	9168165
		Dilution Factor: 1				
Nitrite		Work Order #: LEE1K1AA		MB Lot-Sample #:	F9F040000-131	
	ND	0.020	mg/L	MCAWW 300.0A	06/03/09	9155131
		Dilution Factor: 1				
Nitrite		Work Order #: LELG81AA		MB Lot-Sample #:	F9F050000-421	
	ND	0.020	mg/L	MCAWW 300.0A	06/05/09	9156421
		Dilution Factor: 1				
Nitrite		Work Order #: LE62V1AA		MB Lot-Sample #:	F9F170000-166	
	ND	0.020	mg/L	MCAWW 300.0A	06/16/09	9168166
		Dilution Factor: 1				
Nitrogen, as Ammonia		Work Order #: LETMA1AA		MB Lot-Sample #:	F9F120000-336	
	ND	50.0	ug/L	MCAWW 350.1	06/15/09	9163336
		Dilution Factor: 1				
Nitrogen, as Ammonia		Work Order #: LE4JJ1AA		MB Lot-Sample #:	F9F170000-181	
	ND	50.0	ug/L	MCAWW 350.1	06/17/09	9168181
		Dilution Factor: 1				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: SL799 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrogen, Nitrate		Work Order #: LEE1M1AA		MB Lot-Sample #:	F9F040000-132	
	ND	0.020	mg/L	MCAWW 300.0A	06/03/09	9155132
		Dilution Factor: 1				
Nitrogen, Nitrate		Work Order #: LELG91AA		MB Lot-Sample #:	F9F050000-422	
	ND	0.020	mg/L	MCAWW 300.0A	06/05/09	9156422
		Dilution Factor: 1				
Nitrogen, Nitrate		Work Order #: LE62W1AA		MB Lot-Sample #:	F9F170000-167	
	ND	0.020	mg/L	MCAWW 300.0A	06/16/09	9168167
		Dilution Factor: 1				
Phenol		Work Order #: LFLV81AA		MB Lot-Sample #:	F9F100000-183	
	ND	50.0	ug/L	MCAWW 420.2	06/16-06/17/09	9161183
		Dilution Factor: 1				
Sulfate		Work Order #: LEE1H1AA		MB Lot-Sample #:	F9F040000-130	
	ND	0.50	mg/L	MCAWW 300.0A	06/03/09	9155130
		Dilution Factor: 1				
Sulfate		Work Order #: LELG71AA		MB Lot-Sample #:	F9F050000-420	
	ND	0.50	mg/L	MCAWW 300.0A	06/05/09	9156420
		Dilution Factor: 1				
Sulfate		Work Order #: LE62N1AA		MB Lot-Sample #:	F9F170000-163	
	ND	0.50	mg/L	MCAWW 300.0A	06/16/09	9168163
		Dilution Factor: 1				
Total Alkalinity		Work Order #: LEP1L1AA		MB Lot-Sample #:	F9F110000-118	
	ND	5.0	mg/L	MCAWW 310.1	06/11/09	9162118
		Dilution Factor: 1				
Total Cyanide		Work Order #: LEML51AA		MB Lot-Sample #:	F9F080000-476	
	ND	5.0	ug/L	SW846 9012	06/11-06/16/09	9159476
		Dilution Factor: 1				
Total Sulfide		Work Order #: LED141AA		MB Lot-Sample #:	F9F050000-228	
	ND	1.0	mg/L	SW846 9030	06/04/09	9156228
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: SL799 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrogen, as Ammonia		WO#:LETMA1AC-LCS/LETMA1AD-LCSD				LCS Lot-Sample#: F9F120000-336		
	500	500	ug/L	100		MCAWW 350.1	06/15/09	9163336
	500	493	ug/L	99	1.3	MCAWW 350.1	06/15/09	9163336
		Dilution Factor: 1						
Nitrogen, as Ammonia		WO#:LE4JJ1AC-LCS/LE4JJ1AD-LCSD				LCS Lot-Sample#: F9F170000-181		
	500	481	ug/L	96		MCAWW 350.1	06/17/09	9168181
	500	492	ug/L	98	2.2	MCAWW 350.1	06/17/09	9168181
		Dilution Factor: 1						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL799 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride			Work Order #: LEE1P1AC		LCS Lot-Sample#:	F9F040000-133	
	2.00	1.95	mg/L	97	MCAWW 300.0A	06/03/09	9155133
			Dilution Factor: 1				
Chloride			Work Order #: LELG41AC		LCS Lot-Sample#:	F9F050000-418	
	2.00	1.95	mg/L	98	MCAWW 300.0A	06/05/09	9156418
			Dilution Factor: 1				
Chloride			Work Order #: LE62D1AC		LCS Lot-Sample#:	F9F170000-162	
	2.00	1.95	mg/L	97	MCAWW 300.0A	06/16/09	9168162
			Dilution Factor: 1				
Fluoride			Work Order #: LEE1F1AC		LCS Lot-Sample#:	F9F040000-129	
	1.00	1.07	mg/L	107	MCAWW 300.0A	06/03/09	9155129
			Dilution Factor: 1				
Fluoride			Work Order #: LELG61AC		LCS Lot-Sample#:	F9F050000-419	
	1.00	1.03	mg/L	103	MCAWW 300.0A	06/05/09	9156419
			Dilution Factor: 1				
Fluoride			Work Order #: LE62T1AC		LCS Lot-Sample#:	F9F170000-165	
	1.00	1.07	mg/L	107	MCAWW 300.0A	06/16/09	9168165
			Dilution Factor: 1				
Nitrite			Work Order #: LEE1K1AC		LCS Lot-Sample#:	F9F040000-131	
	0.160	0.157	mg/L	98	MCAWW 300.0A	06/03/09	9155131
			Dilution Factor: 1				
Nitrite			Work Order #: LELG81AC		LCS Lot-Sample#:	F9F050000-421	
	0.160	0.162	mg/L	101	MCAWW 300.0A	06/05/09	9156421
			Dilution Factor: 1				
Nitrite			Work Order #: LE62V1AC		LCS Lot-Sample#:	F9F170000-166	
	0.160	0.160	mg/L	100	MCAWW 300.0A	06/16/09	9168166
			Dilution Factor: 1				
Nitrogen, Nitrate			Work Order #: LEE1M1AC		LCS Lot-Sample#:	F9F040000-132	
	0.400	0.406	mg/L	102	MCAWW 300.0A	06/03/09	9155132
			Dilution Factor: 1				
Nitrogen, Nitrate			Work Order #: LELG91AC		LCS Lot-Sample#:	F9F050000-422	
	0.400	0.418	mg/L	104	MCAWW 300.0A	06/05/09	9156422
			Dilution Factor: 1				

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL799 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrogen, Nitrate			Work Order #: LE62W1AC		LCS Lot-Sample#: F9F170000-167		
	0.400	0.401	mg/L	100	MCAWW 300.0A	06/16/09	9168167
			Dilution Factor: 1				
Phenol			Work Order #: LFLV81AC		LCS Lot-Sample#: F9F100000-183		
	200	207	ug/L	104	MCAWW 420.2	06/16-06/17/09	9161183
			Dilution Factor: 1				
Sulfate			Work Order #: LEE1H1AC		LCS Lot-Sample#: F9F040000-130		
	8.00	8.07	mg/L	101	MCAWW 300.0A	06/03/09	9155130
			Dilution Factor: 1				
Sulfate			Work Order #: LELG71AC		LCS Lot-Sample#: F9F050000-420		
	8.00	7.91	mg/L	99	MCAWW 300.0A	06/05/09	9156420
			Dilution Factor: 1				
Sulfate			Work Order #: LE62N1AC		LCS Lot-Sample#: F9F170000-163		
	8.00	7.73	mg/L	97	MCAWW 300.0A	06/16/09	9168163
			Dilution Factor: 1				
Total Alkalinity			Work Order #: LEP1L1AC		LCS Lot-Sample#: F9F110000-118		
	200	191	mg/L	96	MCAWW 310.1	06/11/09	9162118
			Dilution Factor: 1				
Total Cyanide			Work Order #: LEML51AC		LCS Lot-Sample#: F9F080000-476		
	200	188	ug/L	94	SW846 9012	06/11-06/16/09	9159476
			Dilution Factor: 1				
Total Cyanide			Work Order #: LEML51AD		LCS Lot-Sample#: F9F080000-476		
	400	387	ug/L	97	SW846 9012	06/11-06/16/09	9159476
			Dilution Factor: 1				
Total Sulfide			Work Order #: LED141AC		LCS Lot-Sample#: F9F050000-228		
	4.00	3.72	mg/L	93	SW846 9030	06/04/09	9156228
			Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL799 **Matrix.....:** WATER
Date Sampled...: 05/28/09 **Date Received..:** 06/02/09

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride			Work Order #...:		LD9EV1CE		MS Lot-Sample #:	F9F030293-006
	54.0	100	154 D	mg/L	100	MCAWW 300.0A	06/04/09	9155133
			Dilution Factor: 50					
Chloride			Work Order #...:		LEEEC1AH		MS Lot-Sample #:	F9F050190-001
	14.0	20.0	34.3 D	mg/L	101	MCAWW 300.0A	06/05/09	9156418
			Dilution Factor: 10					
Chloride			Work Order #...:		LE2CV1AH		MS Lot-Sample #:	F9F160242-001
	12.7	20.0	33.1 D	mg/L	102	MCAWW 300.0A	06/17/09	9168162
			Dilution Factor: 10					
Fluoride			Work Order #...:		LD9EV1A5		MS Lot-Sample #:	F9F030293-006
	0.51	2.00	2.48	mg/L	98	MCAWW 300.0A	06/03/09	9155129
			Dilution Factor: 1					
Fluoride			Work Order #...:		LEEEC1AK		MS Lot-Sample #:	F9F050190-001
	0.10	2.00	2.05	mg/L	97	MCAWW 300.0A	06/05/09	9156419
			Dilution Factor: 1					
Fluoride			Work Order #...:		LE2CV1AM		MS Lot-Sample #:	F9F160242-001
	0.12	4.00	4.13	mg/L	100	MCAWW 300.0A	06/16/09	9168165
			Dilution Factor: 1					
Nitrite			Work Order #...:		LD9EV1A9		MS Lot-Sample #:	F9F030293-006
	ND	0.100	0.103	mg/L	103	MCAWW 300.0A	06/03/09	9155131
			Dilution Factor: 1					
Nitrite			Work Order #...:		LEEEC1AP		MS Lot-Sample #:	F9F050190-001
	ND	0.100	0.109	mg/L	109	MCAWW 300.0A	06/05/09	9156421
			Dilution Factor: 1					
Nitrite			Work Order #...:		LE2CV1AP		MS Lot-Sample #:	F9F160242-001
	ND	0.200	0.193	mg/L	96	MCAWW 300.0A	06/16/09	9168166
			Dilution Factor: 1					
Nitrogen, as Ammonia			Work Order #...:		LD6VF1AL		MS Lot-Sample #:	F9F020236-001
	56.7	500	660 N	ug/L	121	MCAWW 350.1	06/15/09	9163336
			Dilution Factor: 1					
Nitrogen, as Ammonia			Work Order #...:		LE2CF1DC		MS Lot-Sample #:	F9F160241-002
	44.6	500	608 N	ug/L	113	MCAWW 350.1	06/17/09	9168181
			Dilution Factor: 1					

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MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL799 **Matrix.....:** WATER
Date Sampled...: 05/28/09 **Date Received..:** 06/02/09

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrogen, Nitrate			Work Order #...:		LD9EV1CC		MS Lot-Sample #:	F9F030293-006
	288	400	682 D	mg/L	99	MCAWW 300.0A	06/04/09	9155132
			Dilution Factor: 1000					
Nitrogen, Nitrate			Work Order #...:		LEEEC1AR		MS Lot-Sample #:	F9F050190-001
	3.7	4.00	7.66 D	mg/L	99	MCAWW 300.0A	06/05/09	9156422
			Dilution Factor: 10					
Nitrogen, Nitrate			Work Order #...:		LE2CV1AR		MS Lot-Sample #:	F9F160242-001
	9.0	4.00	13.1 D	mg/L	101	MCAWW 300.0A	06/16-06/17/09	9168167
			Dilution Factor: 10					
Phenol			Work Order #...:		LD6VF1AJ		MS Lot-Sample #:	F9F020236-001
	ND	200	207	ug/L	104	MCAWW 420.2	06/16-06/17/09	9161183
			Dilution Factor: 1					
Sulfate			Work Order #...:		LD9EV1A7		MS Lot-Sample #:	F9F030293-006
	267	200	461 D	mg/L	97	MCAWW 300.0A	06/04/09	9155130
			Dilution Factor: 50					
Sulfate			Work Order #...:		LEEEC1AM		MS Lot-Sample #:	F9F050190-001
	38.0	40.0	77.9 D	mg/L	100	MCAWW 300.0A	06/05/09	9156420
			Dilution Factor: 10					
Sulfate			Work Order #...:		LE2CV1AK		MS Lot-Sample #:	F9F160242-001
	90.0	40.0	130 D	mg/L	100	MCAWW 300.0A	06/17/09	9168163
			Dilution Factor: 10					
Total Alkalinity			Work Order #...:		LD6V21DT		MS Lot-Sample #:	F9F020237-002
	87.0	100	183	mg/L	96	MCAWW 310.1	06/11/09	9162118
			Dilution Factor: 1					
Total Cyanide			Work Order #...:		LD6V21CA		MS Lot-Sample #:	F9F020237-002
	967	200	2240 N,D	ug/L	636	SW846 9012	06/11-06/16/09	9159476
			Dilution Factor: 4					
Total Cyanide			Work Order #...:		LD9FT1AE		MS Lot-Sample #:	F9F030297-002
	14.4	200	42.1 N	ug/L	14	SW846 9012	06/11-06/16/09	9159476
			Dilution Factor: 1					
Total Sulfide			Work Order #...:		LD6VF1AK		MS Lot-Sample #:	F9F020236-001
	ND	4.00	3.88	mg/L	97	SW846 9030	06/04/09	9156228
			Dilution Factor: 1					

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MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL799 Matrix.....: WATER
Date Sampled...: 05/28/09 Date Received..: 06/02/09

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

D Result was obtained from the analysis of a dilution.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F9F020236 **Work Order #...:** LD9EV-SMP LD9EV-DUP **Matrix.....:** WATER

Date Sampled...: 06/02/09 **Date Received..:** 06/03/09

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride						SD Lot-Sample #:	F9F030293-006	
	54.0 D	53.8 D	mg/L	0.43	(0-20)	MCAWW 300.0A	06/03/09	9155133
			Dilution Factor: 50					
Fluoride						SD Lot-Sample #:	F9F030293-006	
	0.51	0.51	mg/L	0.27	(0-20)	MCAWW 300.0A	06/03/09	9155129
			Dilution Factor: 1					
Sulfate						SD Lot-Sample #:	F9F030293-006	
	267 D	266 D	mg/L	0.56	(0-20)	MCAWW 300.0A	06/03/09	9155130
			Dilution Factor: 50					
Nitrite						SD Lot-Sample #:	F9F030293-006	
	ND	ND	mg/L	0	(0-20)	MCAWW 300.0A	06/03/09	9155131
			Dilution Factor: 1					
Nitrogen, Nitrate						SD Lot-Sample #:	F9F030293-006	
	288 D	287 D	mg/L	0.12	(0-20)	MCAWW 300.0A	06/04/09	9155132
			Dilution Factor: 1000					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

D Result was obtained from the analysis of a dilution.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F9F020236 **Work Order #...:** LEEEC-SMP LEEEC-DUP **Matrix.....:** WATER

Date Sampled...: 06/04/09 **Date Received..:** 06/05/09

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride						SD Lot-Sample #:	F9F050190-001	
	14.0 D	14.1 D	mg/L	0.40	(0-20)	MCAWW 300.0A	06/05/09	9156418
			Dilution Factor: 10					
Fluoride						SD Lot-Sample #:	F9F050190-001	
	0.10	0.10	mg/L	0.35	(0-20)	MCAWW 300.0A	06/05/09	9156419
			Dilution Factor: 1					
Sulfate						SD Lot-Sample #:	F9F050190-001	
	38.0 D	37.4 D	mg/L	1.5	(0-20)	MCAWW 300.0A	06/05/09	9156420
			Dilution Factor: 10					
Nitrite						SD Lot-Sample #:	F9F050190-001	
	ND	ND	mg/L	0	(0-20)	MCAWW 300.0A	06/05/09	9156421
			Dilution Factor: 1					
Nitrogen, Nitrate						SD Lot-Sample #:	F9F050190-001	
	3.7 D	3.6 D	mg/L	1.5	(0-20)	MCAWW 300.0A	06/05/09	9156422
			Dilution Factor: 10					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

D Result was obtained from the analysis of a dilution.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F9F020236 **Work Order #...:** LD9FT-SMP LD9FT-DUP **Matrix.....:** WATER

Date Sampled...: 06/02/09 **Date Received..:** 06/03/09

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide						SD Lot-Sample #:	F9F030297-002	
	14.4 N	ND	ug/L	200	(0-20)	SW846 9012	06/11-06/16/09	9159476

Dilution Factor: 1

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F9F020236 **Work Order #...:** LD6VF-SMP LD6VF-DUP **Matrix.....:** WATER

Date Sampled...: 05/28/09 **Date Received..:** 06/02/09

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phenol						SD Lot-Sample #:	F9F020236-001	
	ND	ND	ug/L	0	(0-20)	MCAWW 420.2	06/16-06/17/09	9161183
			Dilution Factor: 1					
Total Sulfide						SD Lot-Sample #:	F9F020236-001	
	ND	ND	mg/L	0	(0-20)	SW846 9030	06/04/09	9156228
			Dilution Factor: 1					
Nitrogen, as Ammonia						SD Lot-Sample #:	F9F020236-001	
	56.7 N	54.9 N	ug/L	3.3	(0-20)	MCAWW 350.1	06/15/09	9163336
			Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F9F020236 **Work Order #...:** LD6V2-SMP LD6V2-DUP **Matrix.....:** WATER

Date Sampled...: 06/01/09 **Date Received..:** 06/02/09

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #:	F9F020237-002	
	87.0	86.0	mg/L	1.2	(0-20)	MCAWW 310.1	06/11/09	9162118

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F9F020236 **Work Order #...:** LE2CV-SMP LE2CV-DUP **Matrix.....:** WATER

Date Sampled...: 06/15/09 **Date Received..:** 06/16/09

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride						SD Lot-Sample #:	F9F160242-001	
	12.7 D	13.0 D	mg/L	2.5	(0-20)	MCAWW 300.0A	06/17/09	9168162
			Dilution Factor: 10					
Fluoride						SD Lot-Sample #:	F9F160242-001	
	0.12	0.12	mg/L	2.2	(0-20)	MCAWW 300.0A	06/16/09	9168165
			Dilution Factor: 1					
Sulfate						SD Lot-Sample #:	F9F160242-001	
	90.0 D	90.8 D	mg/L	0.92	(0-20)	MCAWW 300.0A	06/17/09	9168163
			Dilution Factor: 10					
Nitrite						SD Lot-Sample #:	F9F160242-001	
	ND	ND	mg/L	0	(0-20)	MCAWW 300.0A	06/16/09	9168166
			Dilution Factor: 1					
Nitrogen, Nitrate						SD Lot-Sample #:	F9F160242-001	
	9.0 D	9.0 D	mg/L	0.32	(0-20)	MCAWW 300.0A	06/17/09	9168167
			Dilution Factor: 10					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

D Result was obtained from the analysis of a dilution.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F9F020236 **Work Order #...:** LE2CF-SMP LE2CF-DUP **Matrix.....:** WATER

Date Sampled...: 06/15/09 **Date Received..:** 06/16/09

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrogen, as Ammonia						SD Lot-Sample #:	F9F160241-002	
	44.6 B,N	52.1 N	ug/L	15	(0-20)	MCAWW 350.1	06/17/09	9168181

Dilution Factor: 1

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

B Estimated result. Result is less than RL.