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0097050

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

X11-005

Lot #: F0L020460
SDG #: SL1009

Mike Neely

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

TESTAMERICA LABORATORIES, INC.

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JUN 08 2011
EDMC

Michael C. Franks
Project Manager

January 10, 2011

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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
January 10, 2011
Attention: Mike Neely

TestAmerica Laboratories, Inc.

SDG	: SL1009
Number of Samples	: 33 samples
Sample Matrix	: Water
Data Deliverable	: Summary
Date SDG Closed	: December 10, 2010

II. Introduction

Between December 2, 2010 and December 10, 2010, 33 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 following SAFs are associated with this SDG: X11-005

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.

 13715 Rider Trail North Earth City, MO 63045 **tel** 314.298.8566 **fax** 314.298.8757 **www.testamericainc.com**

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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: 0341130

The D% CCV is (higher recovered) outside the Method criteria (greater than 20% D) for Chloromethane, Bromomethane, Chloroethane, Carbon disulfide, Iodomethane, Acetone, Isobutanol, cis-1,3-Dichloropropene, trans-1,3-Dichloropropene, and trans-1,4-dichloro-2-butene, indicating a potential high bias for these analytes in the samples associated with this CCV. These analytes were not detected above the reporting limit in the associated samples.
Affected Samples:
F0L020460 (1): B27X23
F0L020460 (2): B27X35
F0L020460 (3): B27XD5
F0L020460 (4): B27X29
F0L020460 (5): B27XB1
F0L020460 (6): B27XC3
F0L020460 (7): B27X95

Bromomethane, Chloromethane, Iodomethane, Methylene chloride, Carbon disulfide, and Trichloroethene were detected in the method blank above the method detection limit but below the reporting limit. These analytes have been qualified accordingly with a "B" flag in the associated samples.
Affected Samples:
F0L020460 (1): B27X23
F0L020460 (2): B27X35
F0L020460 (3): B27XD5
F0L020460 (4): B27X29
F0L020460 (5): B27XB1
F0L020460 (6): B27XC3
F0L020460 (7): B27X95

The LCS recoveries for Chloromethane, Bromomethane, and Isobutanol are outside the upper QC limits, indicating a potential positive bias for these analytes. These analytes were not detected above the reporting limit in the associated samples; therefore the sample data was not adversely affected by this excursion.
Affected Samples:

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F0L020460 (1): B27X23
F0L020460 (2): B27X35
F0L020460 (3): B27XD5
F0L020460 (4): B27X29
F0L020460 (5): B27XB1
F0L020460 (6): B27XC3
F0L020460 (7): B27X95

The MS and/or MSD recoveries for cis-1,3-Dichloropropene, Bromomethane, and Iodomethane are outside the upper QC limits, indicating a potential positive bias for these analytes. These analytes were not detected above the reporting limit in the associated samples. These analytes have been qualified accordingly with a "T" flag in the associated samples.
Affected Samples:
F0L020460 (1): B27X23
F0L020460 (2): B27X35
F0L020460 (3): B27XD5
F0L020460 (4): B27X29
F0L020460 (5): B27XB1
F0L020460 (6): B27XC3
F0L020460 (7): B27X95

Batch: 0348215

The D% CCV is (higher recovered) outside the Method criteria (greater than 20% D) for Chloromethane, Bromomethane, Carbon disulfide, Iodomethane, Vinyl acetate, and trans-1,3-Dichloropropene, indicating a potential high bias for these analytes in the samples associated with this CCV. These analytes were not detected above the reporting limit in the associated samples.
Affected Samples:
F0L020460 (8): B27X47
F0L030502 (1): B27XB7
F0L030502 (2): B27X13
F0L030502 (3): B27X14
F0L030502 (4): B27X53

Bromomethane, Chloromethane and Trichloroethene were detected in the method blank above the method detection limit but below the reporting limit. These analytes have been qualified accordingly with a "B" flag in the associated samples.
Affected Samples:
F0L020460 (8): B27X47
F0L030502 (1): B27XB7
F0L030502 (2): B27X13
F0L030502 (3): B27X14
F0L030502 (4): B27X53

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The LCS and/or LCSD recoveries for Chloromethane, Bromomethane and Iodomethane are outside the upper QC limits, indicating a potential positive bias for these analytes. These analytes were not detected above the reporting limit in the associated samples. The RPD value for Acrolein and 1-Butanol are outside the QC limits. LCS/LCSD recoveries for these analytes were within stated limits; therefore, the sample data was not adversely affected by this excursion.

Affected Samples:
F0L020460 (8): B27X47
F0L030502 (1): B27XB7
F0L030502 (2): B27X13
F0L030502 (3): B27X14
F0L030502 (4): B27X53

The MS and/or MSD recoveries for cis-1,3-Dichloropropene, Chloromethane, Bromomethane, and Iodomethane are outside of the upper QC limits indicating a potential positive bias for these analytes. These analytes were not detected above the reporting limit in the associated samples. These analytes have been qualified accordingly with a "T" flag in the associated samples.

Affected Samples:
F0L020460 (8): B27X47
F0L030502 (1): B27XB7
F0L030502 (2): B27X13
F0L030502 (3): B27X14
F0L030502 (4): B27X53

Batch: 0354353

The D% CCV is (higher recovered) outside the Method criteria (greater than 20% D) Chloromethane, Bromomethane, Chloroethane, Carbon disulfide, Iodomethane, Vinyl acetate, Isobutanol, 1-Butanol, trans-1,3-Dichloropropene, and trans-1,4-dichloro-2-butene, indicating a potential high bias for these analytes in the samples associated with this CCV. These analytes were not detected above the reporting limit in the associated samples.

Affected Samples:
F0L070516 (1): B27WX9
F0L070516 (2): B27X77
F0L070516 (3): B27X89
F0L070516 (4): B27WX0
F0L070516 (5): B27WW9
F0L070516 (6): B27X65
F0L070516 (7): B27X59
F0L070516 (8): B27WR4
F0L070516 (9): B27WP8
F0L070516 (10): B27WV3
F0L070516 (11): B27WN7
F0L070516 (12): B27WT1
F0L070516 (13): B27WW2

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F0L070516 (14): B27WV2
F0L070516 (15): B27WT2

Bromomethane, Chloromethane, Methylene chloride and Trichloroethene were detected in the method blank above the method detection limit but below the reporting limit. These analytes have been qualified accordingly with a "B" flag in the associated samples.
Affected Samples:
F0L070516 (1): B27WX9
F0L070516 (2): B27X77
F0L070516 (3): B27X89
F0L070516 (4): B27WX0
F0L070516 (5): B27WW9
F0L070516 (6): B27X65
F0L070516 (7): B27X59
F0L070516 (8): B27WR4
F0L070516 (9): B27WP8
F0L070516 (10): B27WV3
F0L070516 (11): B27WN7
F0L070516 (12): B27WT1
F0L070516 (13): B27WW2
F0L070516 (14): B27WV2
F0L070516 (15): B27WT2

The LCS recoveries for Bromomethane and Iodomethane are outside the upper QC limits, indicating a potential positive bias for these analytes. These analytes were not detected above the reporting limit in the associated samples; therefore the sample data was not adversely affected by this excursion.
Affected Samples:
F0L070516 (1): B27WX9
F0L070516 (2): B27X77
F0L070516 (3): B27X89
F0L070516 (4): B27WX0
F0L070516 (5): B27WW9
F0L070516 (6): B27X65
F0L070516 (7): B27X59
F0L070516 (8): B27WR4
F0L070516 (9): B27WP8
F0L070516 (10): B27WV3
F0L070516 (11): B27WN7
F0L070516 (12): B27WT1
F0L070516 (13): B27WW2
F0L070516 (14): B27WV2
F0L070516 (15): B27WT2

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The MS and/or MSD recoveries for cis-1,3-Dichloropropene, Chloroethane, Bromomethane, Iodomethane, trans-1,3-Dichloroerhene, and 1-Butanol are outside of the upper QC limits indicating a potential positive bias for these analytes. These analytes were not detected above the reporting limit in the associated samples. These analytes have been qualified accordingly with a "T" flag in the associated samples.

Affected Samples:
F0L070516 (1): B27WX9
F0L070516 (2): B27X77
F0L070516 (3): B27X89
F0L070516 (4): B27WX0
F0L070516 (5): B27WW9
F0L070516 (6): B27X65
F0L070516 (7): B27X59
F0L070516 (8): B27WR4
F0L070516 (9): B27WP8
F0L070516 (10): B27WV3
F0L070516 (11): B27WN7
F0L070516 (12): B27WT1
F0L070516 (13): B27WW2
F0L070516 (14): B27WV2
F0L070516 (15): B27WT2

Batch: 0354356

The D% CCV is (higher recovered) outside the Method criteria (greater than 20% D) for Chloromethane, Bromomethane, Chloroethane, Carbon disulfide, Iodomethane, Acetone, Vinyl acetate, Isobutanol, trans-1,3-Dichloropropene, and trans-1,4-dichloro-2-butene, indicating a potential high bias for these analytes in the samples associated with this CCV. These analytes were not detected above the reporting limit in the associated samples.

Affected Samples:
F0L070516 (15): B27WT2
F0L090507 (1): B27WL9
F0L090507 (2): B27WN1
F0L090507 (3): B27WY6
F0L090507 (4): B27WY7
F0L090507 (5): B27XF1

Bromomethane, Chloromethane, Iodomethane, Methylene chloride, Carbon disulfide and Trichloroethene were detected in the method blank above the method detection limit but below the reporting limit. These analytes have been qualified accordingly with a "B" flag in the associated samples.

Affected Samples:
F0L070516 (15): B27WT2
F0L090507 (1): B27WL9
F0L090507 (2): B27WN1
F0L090507 (3): B27WY6

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F0L090507 (4): B27WY7
F0L090507 (5): B27XF1

The LCS and/or LCSD recoveries for Bromomethane, trans-1,3-Dichloropropene, and Iodomethane are outside the upper QC limits, indicating a potential positive bias for these analytes. These analytes were not detected above the reporting limits in the associated samples; therefore the sample data was not adversely affected by this excursion.
Affected Samples:
F0L070516 (15): B27WT2
F0L090507 (1): B27WL9
F0L090507 (2): B27WN1
F0L090507 (3): B27WY6
F0L090507 (4): B27WY7
F0L090507 (5): B27XF1

The MS and/or MSD recoveries for cis-1,3-Dichloropropene, Bromomethane, trans-1,3-Dichloropropene, 2-Hexanone, trans-1,4-Dichloro-2-butene, Ethyl methacrylate, Iodomethane, Isobutanol, 1,4-Dioxane, Acetone, and 1-Butanol are outside the established QC limits due to matrix interference which is physically evident in the sample associated with MS/MSD analysis. Method performance is demonstrated by acceptable LCS/LCSD recoveries. These analytes have been qualified accordingly with a "T" flag in the associated samples.
Affected Samples:
F0L070516 (15): B27WT2
F0L090507 (1): B27WL9
F0L090507 (2): B27WN1
F0L090507 (3): B27WY6
F0L090507 (4): B27WY7
F0L090507 (5): B27XF1

Batch: 0356204

The D% CCV is (higher recovered) outside the Method criteria (greater than 20% D) for Chloromethane, Bromomethane, Chloroethane, Iodomethane, Isobutanol, cis-1,3-Dichloropropene, trans-1,3-Dichloropropene, and trans-1,4-dichloro-2-butene, indicating a potential high bias for these analytes in the samples associated with this CCV. These analytes were not detected above the reporting limit in the associated samples.
Affected Samples:
F0L100471 (1): B27XC9

Bromomethane, Chloromethane and Methylene chloride were detected in the method blank above the method detection limit but below the reporting limit. These analytes have been qualified accordingly with a "B" flag in the associated samples.
Affected Samples:
F0L100471 (1): B27XC9

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SDG: SL1009

The LCS recoveries for Chloromethane, Bromomethane and trans-1,3-Dichloropropene are outside the upper QC limit, indicating a potential positive bias for these analytes. These analytes were not detected above the reporting limit in the associated samples; therefore the sample data was not adversely affected by this excursion.
Affected Samples:
F0L100471 (1): B27XC9

The MS and/or MSD recoveries for cis-1,3-Dichloropropene, Bromomethane, Chloroethane, trans-1,3-Dichloropropene, Iodomethane, and 1-Butanol are outside the upper QC limits, indicating a potential positive bias for these analytes. These analytes were not detected above the reporting limit in the associated samples; therefore the sample data was not adversely affected by this excursion. The original sample results are provided. These analytes have been qualified accordingly with a "T" flag in the associated samples.
Affected Samples:
F0L100471 (1): B27XC9

The MS/MSD RPD values for Acetone and 1,4-Dioxane are outside the QC limits. These analytes were not detected above the reporting limit in the associated samples; therefore the sample data was not adversely affected by this excursion. The original sample results are provided.
Affected Samples:
F0L100471 (1): B27XC9

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

13715 Rider Trail North Earth City, MO 63045 **tel** 314.298.8566 **fax** 314.298.8757 **www.testamericainc.com**

METHODS SUMMARY

SL1009

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B

References:

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

SAMPLE SUMMARY

SL1009 : F0L020460

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
MAQXT	001	B27X23	11/29/10	09:50
MAQXV	002	B27X35	11/29/10	13:58
MAQXW	003	B27XD5	11/29/10	13:06
MAQXX	004	B27X29	11/29/10	12:07
MAQX0	005	B27XB1	11/29/10	12:46
MAQX1	006	B27XC3	11/29/10	10:30
MAQX4	007	B27X95	11/29/10	14:13
MAQX5	008	B27X47	11/30/10	10:10

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

SL1009 : F0L030502

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
MAT05	001	B27XB7	12/01/10	10:30
MAT1C	002	B27X13	12/01/10	12:30
MAT1G	003	B27X14	12/01/10	12:30
MAT1M	004	B27X53	12/01/10	08:48

NOTE(S):

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(Continued on next page)

SAMPLE SUMMARY

SL1009 : F0L070516

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
MA02E	001	B27WX9	12/05/10	10:57
MA02K	002	B27X77	12/05/10	13:44
MA02M	003	B27X89	12/05/10	10:33
MA02P	004	B27WX0	12/05/10	07:30
MA02R	005	B27WW9	12/05/10	10:21
MA02V	006	B27X65	12/05/10	13:46
MA021	007	B27X59	12/05/10	11:40
MA023	008	B27WR4	12/05/10	12:50
MA025	009	B27WP8	12/05/10	11:40
MA027	010	B27WV3	12/05/10	08:45
MA029	011	B27WN7	12/05/10	14:01
MA03A	012	B27WT1	12/05/10	12:38
MA03E	013	B27WW2	12/05/10	09:22
MA03H	014	B27WV2	12/05/10	08:45
MA03L	015	B27WT2	12/05/10	07:00

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

SL1009 : F0L090507

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
MA4LV	001	B27WL9	12/07/10	09:28
MA4LX	002	B27WN1	12/07/10	12:57
MA4L0	003	B27WY6	12/07/10	10:02
MA4L3	004	B27WY7	12/07/10	07:30
MA4L5	005	B27XF1	12/07/10	11:05

NOTE(S):

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- 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

SL1009 : F0L100471

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
MA6EN	001	B27XC9	12/09/10	11:59

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# SL1009

CHPRC SL1009 CUR 14

87514

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # X11-005-281

Collector: CA Snyder CHPRC	Contact/Requester: Karen Waters-Husted	Telephone No.: 376-4650
SAF No.: X11-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 300118ES20
Project Title: IU2 IU6DURA, OCTOBER 2010	Logbook No: HNF-N-506 33 182	Ice Chest No.: 6WS-180
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Commercial Carrier	Bill of Lading/Air Bill No.: 7942 02259292
Protocol: CERCLA	Priority: 30 Days **PRIORITY**	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
Site Wide Area Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401922.
Please report all TICs.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27XC9	N	W	12/09/10	1159	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B27XC9	N	W	↓	↓	1x20-mL P	Activity Scan	6 Months	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
CA Snyder CHPRC			DEC 0 9 2010 1330	L.D. Wall CHPRC		L.D. Wall	DEC 0 9 2010 1330
L.D. Wall CHPRC		L.D. Wall	DEC 0 9 2010 1400	FEDEX			
FEDEX				Nicholas Owens		Nicholas Owens	12/10/10 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

A-6004-842 (REV 2)

TestAmerica St. Louis

Print page | Close

FedEx

Detailed Results

Tracking no.: 794202259292 Select time format: 12H

Delivered

Delivered
Signed for by: B.DANIELS

Shipment Dates	Destination
Ship date Dec 9, 2010	EARTH CITY, MO
Delivery date Dec 10, 2010 9:04 AM	Signature Proof of Delivery

Shipment Options

Hold at FedEx Location
Hold at FedEx Location service is not available for this shipment.

Shipment Facts

Service type	Standard Overnight	Delivered to	Shipping/Receiving
Weight	63.0 lbs/28.6 kg		

Shipment Travel History

Select time zone: Local Scan Time

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

Date/Time	Activity	Location	Details
Dec 10, 2010 9:04 AM	Delivered	EARTH CITY, MO	
Dec 10, 2010 6:40 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
Dec 10, 2010 6:32 AM	At local FedEx facility	EARTH CITY, MO	
Dec 10, 2010 5:15 AM	At dest sort facility	BERKELEY, MO	
Dec 10, 2010 4:28 AM	Departed FedEx location	MEMPHIS, TN	
Dec 10, 2010 12:21 AM	Arrived at FedEx location	MEMPHIS, TN	
Dec 9, 2010 5:06 PM	Left FedEx origin facility	PASCO, WA	
Dec 9, 2010 4:04 PM	Picked up	PASCO, WA	
Dec 9, 2010 4:31 PM	Shipment information sent to FedEx		

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): FOL100459 12-10-10 477
46825
468
471
474

CONDITION UPON RECEIPT FORM

Client: CHPRC

Quote No: 87651, 87547, 87771, 87576, 87598

COC/RFA No: SEE BELOW 14

Initiated By: NVO Date: 12/10/10 Time: 0915

Shipping Information

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

Shipping # (s):*		Sample Temperature (s):**	
1. 7965 3637 6735	6.	1. 4	6.
2. 7942 0225 9292	7.	2. 3	7.
3. 7965 3635 0974	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:

X11-006-109 W11-010-27
X11-006-81
X11-012-105
X11-005-281
F11-001-6162
F11-001-6163
F11-012-036
W11-010-26

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: 12-13-10

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# SL1009

CHPRC SL1009	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # X11-005-4
		Page 1 of 1

Collector: CA Snyder, CHPRC	Contact/Requester: Karen Waters-Husted	Telephone No.: 376-4650
SAF No.: X11-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 300118ES20
Project Title: IU2, IU6DURA, OCTOBER 2010	Logbook No: HNF-N-506 25 190	Ice Chest No.: GWS-119
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Commercial Carrier	Bill of Lading/Air Bill No.: 7941960290067
Protocol: CERCLA	Priority: 30 Days PRIORITY	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
Site Wide Area Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401922.
Please report all TICs.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27WL9	N	W	12/07/10	0928	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B27WL9	N	W	↓	↓	1x20-mL P	Activity Scan	6 Months	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
CA Snyder CHPRC			DEC 07 2010 1525	SSU- 1			DEC 07 2010 1525
SSU- 1			DEC 08 2010 0900	B.E. Briggs CHPRC			DEC 08 2010 0900
B.E. Briggs CHPRC			DEC 08 2010 1400	FEDEX			
FEDEX				Jill Clark			12.9.10 0930

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

A-6004-842 (REV 2)

TestAmerica St. Louis

SDG# SL1009

CHPRC SL1009

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # X11-005-14

Collector JOSH ARTZER CHPRC	Contact/Requester Karen Waters-Husted	Telephone No. 376-4650
SAF No. X11-005	Sampling Origin Hanford Site	Purchase Order/Charge Code 300118ES20
Project Title IU2 IU6DURA OCTOBER 2010	Logbook No: HNF-N-506 34189	Ice Chest No. GWS-119
Shipped To (Lab) TestAmerica St. Louis	Method of Shipment Commercial Carrier	Bill of Lading/Air Bill No. 7941 9602 9067
Protocol CERCLA	Priority: 30 Days PRIORITY	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
Site Wide Area Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401922.
Please report all TICs.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27WN1	N	W	12-7-10	1257	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B27WN1	N	W	↓	↓	1x20-mL P	Activity Scan	6 Months	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
JOSH ARTZER CHPRC			1430 DEC 07 2010	SSU-1			1430 DEC 07 2010
SSU-1			DEC 08 2010 0900	B.E. Briggs CHPRC			DEC 08 2010 0900
B.E. Briggs CHPRC			DEC 08 2010 1400	FEDEX			
FEDEX				Jill Clark			12-9-10 0930

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

A-6004-842 (REV 2)

TestAmerica St. Louis

SDG# SL1009

CHPRC SL1009	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # X11-005-91 Page 1 of 1

Collector JOSH ARTZER CHPRC	Contact/Requester Karen Waters-Husted	Telephone No. 376-4650
SAF No. X11-005	Sampling Origin Hanford Site	Purchase Order/Charge Code 300118ES20
Project Title IU2, IU6DURA, OCTOBER 2010	Logbook No: HNF-N-506 34 189	Ice Chest No. GWS-119
Shipped To (Lab) TestAmerica St. Louis	Method of Shipment Commercial Carrier	Bill of Lading/Air Bill No. 794196029067
Protocol CERCLA	Priority: 30 Days PRIORITY	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
Site Wide Area Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401922.
Please report all TICs.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27WY6	N	W	12-7-10	1002	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B27WY6	N	W	↓	↓	1x20-mL P	Activity Scan	6 Months	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
JOSH ARTZER CHPRC	Josh Artzer		1430 DEC 07 2010	SSU-1			1430 DEC 07 2010
SSU-1			DEC 08 2010 0900	B.E. Briggs CHPRC	BeBriggs		DEC 08 2010 0900
B.E. Briggs CHPRC	BeBriggs		DEC 08 2010 1400	FEDEX			
FedEx				Jill Clark	Jill Clark		12-9-10 0930

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

A-6004-842 (REV 2)

TestAmerica St. Louis

SDG# SL1009

CHPRC SL1009	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # X11-005-92 Page 1 of 1

Collector JOSH ARTZER CHPRC	Contact/Requester Karen Waters-Husted	Telephone No. 376-4650
SAF No. X11-005	Sampling Origin Hanford Site	Purchase Order/Charge Code 300118ES20
Project Title IU2_IU6DURA, OCTOBER 2010	Logbook No: HNF-N-506 34189	Ice Chest No. GWS-119
Shipped To (Lab) TestAmerica St. Louis	Method of Shipment Commercial Carrier	Bill of Lading/Air Bill No. 7941 9602 9067
Protocol CERCLA	Priority: 30 Days PRIORITY	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** Total Activity Exemption: Yes ☑ No ☐
Site Wide Area Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401922.
Please report all TICs.

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27WY7	N	W	12-7-10	0730	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B27WY7	N	W	↓	↓	1x20-mL P	Activity Scan	6 Months	None

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
JOSH ARTZER CHPRC	Josh Artzer	DEC 07 2010 1430	SSU-1		DEC 07 2010 1430
SSU-1		DEC 08 2010 0900	B.E. Briggs CHPRC	BeBriggs	DEC 08 2010 0900
B.E. Briggs CHPRC	BeBriggs	DEC 08 2010 1400	FEDEX		
FedEx			Jill Clarke	Jill Clarke	12.9.10 0930

Matrix *

S = Soil		DS = Drum Solid	
SR = 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

A-6004-842 (REV 2)

TestAmerica St. Louis

SDG# SL1009

CHPRC SL1009	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # X11-005-301
		Page 1 of 1

Collector: CA Snyder CHPRC	Contact/Requester: Karen Waters-Husted	Telephone No.: 376-4650
SAF No.: X11-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 300118ES20
Project Title: IU2_IU6DURA_OCTOBER 2010	Logbook No: HNF-N-506 25 190	Ice Chest No.: 6WS-119
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Commercial Carrier	Bill of Lading/Air Bill No.: 7941960290 67
Protocol: CERCLA	Priority: 30 Days PRIORITY	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 — Total Activity Exemption: Yes ☑ No ☐
Site Wide Area Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401922.
Please report all TICs.

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27XF1	N	W	12/07/10	1105	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B27XF1	N	W	↓	↓	1x20-mL P	Activity Scan	6 Months	None

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
CA Snyder CHPRC	DEC 0 7 2010 1525	SSU- 1	DEC 0 7 2010 1525
SSU- 1	DEC 0 8 2010 0900	B.E. Briggs CHPRC	DEC 0 8 2010 0900
B.E. Briggs CHPRC	DEC 0 8 2010 1400	FEDEX	
FEDEX		Jill Clarke	12.9.10 0930

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

A-6004-842 (REV 2)

TestAmerica St. Louis

Print page | Close

FedEx

Detailed Results

Tracking no.: 794196029067 Select time format: 12H

Delivered

Delivered
Signed for by: S.WILSON

Shipment Dates	Destination
Ship date Dec 8, 2010	EARTH CITY, MO
Delivery date Dec 9, 2010 9:19 AM	Signature Proof of Delivery

Shipment Options

Hold at FedEx Location
Hold at FedEx Location service is not available for this shipment.

Shipment Facts

Service type	Priority Overnight	Delivered to	Shipping/Receiving
Weight	73.0 lbs/33.1 kg	Reference	GWS-119

Shipment Travel History

Select time zone: Local Scan Time

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

Date/Time	Activity	Location	Details
Dec 9, 2010 9:19 AM	Delivered	EARTH CITY, MO	
Dec 9, 2010 7:14 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
Dec 9, 2010 7:10 AM	At local FedEx facility	EARTH CITY, MO	
Dec 9, 2010 5:18 AM	At dest sort facility	BERKELEY, MO	
Dec 9, 2010 4:27 AM	Departed FedEx location	MEMPHIS, TN	
Dec 9, 2010 12:17 AM	Arrived at FedEx location	MEMPHIS, TN	
Dec 8, 2010 5:18 PM	Left FedEx origin facility	PASCO, WA	
Dec 8, 2010 3:53 PM	Picked up	PASCO, WA	
Dec 8, 2010 2:46 PM	Shipment information sent to FedEx		

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): FOL090496
501
507
511

CONDITION UPON RECEIPT FORM

Client: CHPRC

Quote No: 87771, 87598, 87576, 87547

COC/RFA No: See Below

9

Initiated By: [illegible]

Date: 12-9-10 Time: 0930

Shipping Information

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

Shipping #(s):*

1 TRK# 7965 2942 5210
2 TRK# 7941 9602 9067
3
4.
5.
6.
7.
8.
9.
10.

Sample Temperature (s):**

1. 2
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:

COC#
X11-012-98 X11-006-148
I11-001-171 ↓ ↓ -101
↓ ↓ -601
X11-005-4
-14
-91
-92
-301

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: 12-11-10

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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SDG# SL1009

SL1009

CHPRC CUL284

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C.# X11-005-81

Page 1 of 1

Collector: ~~DJ Sparks~~ CHPRC	Contact/Requester: Karen Waters-Husted	Telephone No.: 376-4650
SAF No.: X11-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 300118ES20
Project Title: IU2_IU6DURA, OCTOBER 2010	Logbook No: HNF-N-506 32177	Ice Chest No.: GWS-242
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Commercial Carrier	Bill of Lading/Air Bill No.: 7941 8550 4081
Protocol: CERCLA	Priority: 30 Days **PRIORITY**	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 — Total Activity Exemption: Yes ☑ No ☐
Site Wide Area Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401922.
Please report all TICs.

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27WX9	N	W	12/5/10	1057	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B27WX9	N	W	12/5/10	↓	1x20-mL P	Activity Scan	6 Months	None

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
DJ Sparks CHPRC	DEC 0 5 2010 1500	SSU #1	DEC 0 5 2010 1500
SSU #1	0800 DEC 0 6 2010	SE Hamaker CHPRC	0800 DEC 0 6 2010
SE Hamaker CHPRC	1400 DEC 0 6 2010	FEDEX	
Fed Ex		NICHOLAS OWENS	12/7/10 0930

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

A-6004-842 (REV 2)

TestAmerica St. Louis

SDG# SL1009

SL1009

CHPRC CUL284

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # X11-005-211

Page 1 of 1

Collector: DJ Woehle, CHPRC	Contact/Requester: Karen Waters-Husted	Telephone No.: 376-4650
SAF No.: X11-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 300118ES20
Project Title: IU2_IU6DURA_OCTOBER 2010	Logbook No: HNF-N-506 31 / 95	Ice Chest No.: GWS-172
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Commercial Carrier	Bill of Lading/Air Bill No.: 7941 8550 9819
Protocol: CERCLA	Priority: 30 Days **PRIORITY**	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** Total Activity Exemption: Yes ☑ No ☐
Site Wide Area Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401922.
Please report all TICs.

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27X77	N	W	12-5-10	1344	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B27X77	N	W	↓	↓	1x20-mL P	Activity Scan	6 Months	None

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
DJ Woehle, CHPRC	DEC 05 2010 1500	SSU #1	DEC 05 2010 1500
SSU #1	0800 12/6/10	SCOTT HAMAKER /	0800 12/6/10
SCOTT HAMAKER /	1400 12/6/10	FED EX	
FED EX		NICHOLAS OWENS	12/7/10 0930

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

A-6004-842 (REV 2)

TestAmerica St. Louis

SDG# SL1009

CHPRC SL1009 CUL284

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # X11-005-231

Page 1 of 1

Collector: DJ Woehle CHPRC	Contact/Requester: Karen Waters-Husted	Telephone No.: 376-4650
SAF No.: X11-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 300118ES20
Project Title: IU2 IU6DURA. OCTOBER 2010	Logbook No: HNF-N-506 31 / 95	Ice Chest No.: GWS-172
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Commercial Carrier	Bill of Lading/Air Bill No.: 7941 8550 9819
Protocol: CERCLA	Priority: 30 Days PRIORITY	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
Site Wide Area Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401922.
Please report all TICs.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27X89	N	W	12-5-10	1033	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B27X89	N	W	↓	↓	1x20-mL P	Activity Scan	6 Months	None

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
DJ Woehle CHPRC	DEC 05 2010 1500	SSU- 1	DEC 05 2010 1500
SSU- 1	0800 DEC 06 2010	SE Hamaker CHPRC	0800 DEC 06 2010
SE Hamaker CHPRC	1400 DEC 06 2010	FEDEX	
FedEx		NICHOLAS OWENS	12/7/10 0930

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

A-6004-842 (REV 2)

TestAmerica St. Louis

SDG# SL1009

SL1009

CHPRC

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CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # X11-005-72

Page 1 of 1

Collector: S.J. Southerland CHPRC	Contact/Requester: Karen Waters-Husted	Telephone No.: 376-4650
SAF No.: X11-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 300118ES20
Project Title: IU2_IU6DURA_OCTOBER 2010	Logbook No: HNF-N-506 25 189	Ice Chest No.: GWS-172
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Commercial Carrier	Bill of Lading/Air Bill No.: 7941 8550 9819
Protocol: CERCLA	Priority: 30 Days **PRIORITY**	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
Site Wide Area Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401922.
Please report all TICs.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27WX0	N	W	12/5/10	0730	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B27WX0	N	W	12/5/10	0730	1x20-mL P	Activity Scan	6 Months	None

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
S.J. Southerland CHPRC	DEC 05 2010 1430	SSU- 1	DEC 05 2010 1430
SSU- 1	0800 DEC 06 2010	SE Hamaker CHPRC	0800 DEC 06 2010
SE Hamaker CHPRC	1400 DEC 06 2010	FEDEX	
FedEx		NICHOLAS OWENS	12/7/10 0930

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

A-6004-842 (REV 2)

TestAmerica St. Louis

SDG# SL1009

CHPRC SL1009 CUL286

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # X11-005-71

Page 1 of 1

Collector S.J. Southerland CHPRC	Contact/Requester Karen Waters-Husted	Telephone No. 376-4650
SAF No. X11-005	Sampling Origin Hanford Site	Purchase Order/Charge Code 300118ES20
Project Title IU2_IU6DURA_OCTOBER 2010	Logbook No: HNF-N-506 25 189	Ice Chest No. GWS-172
Shipped To (Lab) TestAmerica St. Louis	Method of Shipment Commercial Carrier	Bill of Lading/Air Bill No. 7941 8550 9819
Protocol CERCLA	Priority: 30 Days PRIORITY	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
Site Wide Area Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401922.
Please report all TICs.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27WW9	N	W	12/5/10	1021	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B27WW9	N	W	12/5/10	1021	1x20-mL P	Activity Scan	6 Months	None

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
S.J. Southerland CHPRC	1430 DEC 05 2010	SSU- 1	1430 DEC 05 2010
SSU- 1	0800 DEC 06 2010	SE Hamaker CHPRC	0800 DEC 06 2010
SE Hamaker CHPRC	1400 DEC 06 2010	FEDEX	
Red Bk		HICHLAS OWENS	12/7/10 0930

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

A-6004-842 (REV 2)

TestAmerica St. Louis

SDG# SL1009

CHPRC SL1009 CUL286

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # X11-005-191

Collector: F. M. Hall	Contact/Requester: Karen Waters-Husted	Telephone No.: 376-4650
SAF No.: X11-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 300118ES20
Project Title: IU2 IU6DURA. OCTOBER 2010	Logbook No: HNF-N-506 34/87	Ice Chest No.: GWS-172
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Commercial Carrier	Bill of Lading/Air Bill No.: 7941 8550 9819
Protocol: CERCLA	Priority: 30 Days **PRIORITY**	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 — Total Activity Exemption: Yes ☑ No ☐
Site Wide Area Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401922.
Please report all TICs.

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27X65	N	W	DEC 05 2010	1346	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B27X65	N	W	↓	↓	1x20-mL P	Activity Scan	6 Months	None

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
F. M. Hall	DEC 05 2010 1445	SSU#1	DEC 05 2010 1445
SSU-#1	0800 DEC 06 2010	SE Hamaker CHPRC	0800 DEC 06 2010
SE Hamaker CHPRC	1400 DEC 06 2010	FEDEX	
Fed Ex		NICHOLAS OWENS	12/2/10 0930

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

A-6004-842 (REV 2)

TestAmerica St. Louis

SDG# SL1009

CHPRC SL1009 CUL286

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # X11-005-181

Page 1 of 1

Collector: F. M. Hall	Contact/Requester: Karen Waters-Husted	Telephone No.: 376-4650
SAF No.: X11-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 300118ES20
Project Title: IU2 IU6DURA OCTOBER 2010	Logbook No: HNF-N-506 34 / 87	Ice Chest No.: GWS-172
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Commercial Carrier	Bill of Lading/Air Bill No.: 7941 8550 9819
Protocol: CERCLA	Priority: 30 Days PRIORITY	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
Site Wide Area Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401922.
Please report all TICs.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27X59	N	W	DEC 05 2010	1140	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B27X59	N	W	↓	↓	1x20-mL P	Activity Scan	6 Months	None

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
F. M. Hall	DEC 05 2010 1445	SSU #1	DEC 05 2010 1445
SSU-1	0800 DEC 06 2010	SE Hamaker CHPRC	0800 DEC 06 2010
SE Hamaker CHPRC	1400 DEC 06 2010	FEDEX	
FedEx		NICHOLAS OWENS	12/7/10 0930

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

A-6004-842 (REV 2)

TestAmerica St. Louis

SDG# SL1009

CHPRC SL1009 CUN286

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # X11-005-33

Page 1 of 1

Collector: CA Snyder CHPRC	Contact/Requester: Karen Waters-Husted	Telephone No.: 376-4650
SAF No.: X11-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 300118ES20
Project Title: IU2, IU6DURA, OCTOBER 2010	Logbook No: HNF-N-506 33179	Ice Chest No.: GWS-187
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Commercial Carrier	Bill of Lading/Air Bill No.: 7941 8551 4998
Protocol: CERCLA	Priority: 30 Days **PRIORITY**	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
Site Wide Area Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401922.
Please report all TICs.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27WR4	N	W	12-5-10	1250	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B27WR4	N	W	12-5-10	1250	1x20-mL P	Activity Scan	6 Months	None

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
CA Snyder CHPRC	DEC 05 2010 1430	SSU- 1	DEC 05 2010 1430
SSU- 1	0800 DEC 06 2010	SE Hamaker CHPRC	0800 DEC 06 2010
SE Hamaker CHPRC	1400 DEC 06 2010	FEDEX	
FedEx		NICHOLAS OWENS	12/7/10 0932

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

A-6004-842 (REV 2)

TestAmerica St. Louis

SDG# SL1009

CHPRC SL1009 CUL286

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # X11-005-28

Collector: CA Snyder, CHPRC	Contact/Requester: Karen Waters-Husted	Telephone No.: 376-4650
SAF No.: X11-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 300118ES20
Project Title: IU2_IU6DURA_OCTOBER 2010	Logbook No: HNF-N-506 33171	Ice Chest No.: GWS-187
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Commercial Carrier	Bill of Lading/Air Bill No.: 7941 8551 4998
Protocol: CERCLA	Priority: 30 Days PRIORITY	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
Site Wide Area Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401922.
Please report all TICs.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27WP8	N	W	12-5-10	1140	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B27WP8	N	W	12-5-10	1140	1x20-mL P	Activity Scan	6 Months	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
CA Snyder, CHPRC			DEC 05 2010 1430	SSU- 1			DEC 05 2010 1430
SSU- 1			0800 DEC 06 2010	SE Hamaker, CHPRC			0800 DEC 06 2010
SE Hamaker, CHPRC			1400 DEC 06 2010	FEDEX			
FedEx				NICHOLAS OWENS			12/2/10 0930

Matrix *

S = Soil		DS = Drum Solid	
SR = 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

A-6004-842 (REV 2)

TestAmerica St. Louis

SDG# SL1009

CHPRC SL1009 CUL286

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # X11-005-52

Page 1 of 1

Collector: CA Snyder CHPRC	Contact/Requester: Karen Waters-Husted	Telephone No.: 376-4650
SAF No.: X11-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 300118ES20
Project Title: IU2 IU6DURA OCTOBER 2010	Logbook No: HNF-N-506 33179	Ice Chest No.: GWS-187
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Commercial Carrier	Bill of Lading/Air Bill No.: 7941 8551 4998
Protocol: CERCLA	Priority: 30 Days PRIORITY	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
Site Wide Area Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401922.
Please report all TICs.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27WV3	N	W	12-5-10	0845	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B27WV3	N	W	12-5-10	0845	1x20-mL P	Activity Scan	6 Months	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
CA Snyder CHPRC			DEC 05 2010 1005	SSU-			DEC 05 2010 1005
SSU- 1			0800 DEC 06 2010	SE Hamaker CHPRC			0800 DEC 06 2010
SE Hamaker CHPRC			1400 DEC 06 2010	FEDEX			
FEDEX				NICHOLAS OWENS			12/7/10 0930

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

A-6004-842 (REV 2)

TestAmerica St. Louis

SDG# SL1009

CHPRC SL1009 CUL286

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # X11-005-19

Collector: DJ Sparks CHPRC	Contact/Requester: Karen Waters-Husted	Telephone No.: 376-4650
SAF No.: X11-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 300118ES20
Project Title: IU2_IU6DURA_OCTOBER 2010	Logbook No: HNF-N-506 32177	Ice Chest No.: GWS-187
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Commercial Carrier	Bill of Lading/Air Bill No.: 7941855 14998
Protocol: CERCLA	Priority: 30 Days PRIORITY	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
Site Wide Area Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401922.
Please report all TICs.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27WN7	N	W	12/5/10	1401	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B27WN7	N	W	↓	↓	1x20-mL P	Activity Scan	6 Months	None

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
DJ Sparks CHPRC / DJ Sparks	DEC 0 5 2010 1500	SSU #1	DEC 0 5 2010 1500
SSU #1	0800 DEC 0 6 2010	SE Hamaker CHPRC / Scott Hamaker	0800 DEC 0 6 2010
SE Hamaker CHPRC / Scott Hamaker	1400 DEC 06 2010 12/6/10	FEDEX	
FEDEX		NICHOLAS OWENS / Nicholas Owens	12/7/10 0930

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

A-6004-842 (REV 2)

TestAmerica St. Louis

SDG# SL1009

CHPRC SL1009 CUL286

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # X11-005-41

Page 1 of 1

Collector: DJ Sparks CHPRC	Contact/Requester: Karen Waters-Husted	Telephone No.: 376-4650
SAF No.: X11-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 300118ES20
Project Title: IU2, IU6DURA, OCTOBER 2010	Logbook No: HNF-N-506 32 177	Ice Chest No.: GWS-187
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Commercial Carrier	Bill of Lading/Air Bill No.: 7941 8551 4998
Protocol: CERCLA	Priority: 30 Days **PRIORITY**	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
Site Wide Area Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401922.
Please report all TICs.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27WT1	N	W	12/5/10	1238	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B27WT1	N	W	↓	↓	1x20-mL P	Activity Scan	6 Months	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
DJ Sparks CHPRC			DEC 0 5 2010 1500	SSU #1			DEC 0 5 2010 1500
SSU #1			0800 DEC 0 6 2010	SE Hamaker CHPRC			0800 DEC 0 6 2010
SE Hamaker CHPRC			1400 DEC 0 6 2010	FEDEX			Date/Time
Fed Ex			Date/Time	NICHOLAS OWENS			12/7/10 0930

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

A-6004-842 (REV 2)

TestAmerica St. Louis

SDG# SL1009

CHPRC SL1009 CUR286

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # X11-005-61

Page 1 of 1

Collector: DJ Sparks CHPRC	Contact/Requester: Karen Waters-Husted	Telephone No.: 376-4650
SAF No.: X11-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 300118ES20
Project Title: IU2_IU6DURA_OCTOBER 2010	Logbook No: HNF-N-506 32177	Ice Chest No.: GWS-172
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Commercial Carrier	Bill of Lading/Air Bill No.: 7941 8550 9819
Protocol: CERCLA	Priority: 30 Days PRIORITY	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
Site Wide Area Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401922.
Please report all TICs.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27WW2	N	W	12/5/10	0922	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B27WW2	N	W	↓	↓	1x20-mL P	Activity Scan	6 Months	None

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
DJ Sparks CHPRC	DEC 0 5 2010 1500	SSU #1	DEC 0 5 2010 1500
SSU #1	0800 DEC 0 6 2010	SE Hamaker CHPRC	0800 DEC 0 6 2010
SE Hamaker CHPRC	1400 DEC 0 6 2010	FEDEX	
Fed Ex		NICHOLAS OWENS	12/7/10 0930

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

A-6004-842 (REV 2)

TestAmerica St. Louis

SDG# SL1009

CHPRC SL1009 CUL286

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # X11-005-51

Page 1 of 1

Collector: CA Snyder CHPRC	Contact/Requester: Karen Waters-Husted	Telephone No.: 376-4650
SAF No.: X11-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 300118ES20
Project Title: IU2 IU6DURA OCTOBER 2010	Logbook No: HNF-N-506 33/79	Ice Chest No.: GWS-187
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Commercial Carrier	Bill of Lading/Air Bill No.: 7941 8551 4998
Protocol: CERCLA	Priority: 30 Days PRIORITY	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
Site Wide Area Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401922.
Please report all TICs.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27WV2	N	W	12-5-10	0845	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B27WV2	N	W	12-5-10	0845	1x20-mL P	Activity Scan	6 Months	None

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
CA Snyder CHPRC	DEC 05 2010 1005	SSU-1	DEC 05 2010 1005
SSU-1	0800 DEC 06 2010	SE Hamaker CHPRC	0800 DEC 06 2010
SE Hamaker CHPRC	1400 12/6/10 DEC 06 2010	FEDEX	
Fed Ex		NICHOLAS OWENS	12/7/10 0930

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

A-6004-842 (REV 2)

TestAmerica St. Louis

SDG# SL1009

CHPRC SL1009 CUR 286

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # X11-005-42

Page 1 of 1

Collector: DJ Sparks ~~CHPRC~~	Contact/Requester: Karen Waters-Husted	Telephone No.: 376-4650
SAF No.: X11-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 300118ES20
Project Title: IU2 IU6DURA OCTOBER 2010	Logbook No: HNF-N-506 32 / 77	Ice Chest No.: GWS-172
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Commercial Carrier	Bill of Lading/Air Bill No.: 7941 8550 9819
Protocol: CERCLA	Priority: 30 Days **PRIORITY**	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 — Total Activity Exemption: Yes ☑ No ☐
Site Wide Area Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401647.
Please report all TICs.

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27WT2	N	W	12/5/10	0700	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B27WT2	N	W	↓	↓	1x20-mL P	Activity Scan	6 Months	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
DJ Sparks ~~CHPRC~~			DEC 0 5 2010 1500	SSU#1			DEC 0 5 2010 1500
SSU#1			0800 DEC 0 6 2010	SE Hamaker CHPRC			0800 DEC 0 6 2010
SE Hamaker CHPRC			1400 DEC 0 6 2010	FEDEX			Date/Time
FedEx			Date/Time	NICHOLAS OWENS			12/7/10 0930

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

A-6004-842 (05/10)

TestAmerica St. Louis

Print page | Close

FedEx

Detailed Results

Tracking no.: 794185504081 Select time format: 12H

Delivered

Delivered
Signed for by: B.DANIELS

Shipment Dates

Ship date Dec 6, 2010
Delivery date Dec 7, 2010 9:21 AM

Destination

EARTH CITY, MO
Signature Proof of Delivery

Shipment Options

Hold at FedEx Location
Hold at FedEx Location service is not available for this shipment.

Shipment Facts

Service type	Priority Overnight	Delivered to	Shipping/Receiving
Weight	65.0 lbs/29.5 kg	Reference	GWS-242

Shipment Travel History

Select time zone: Local Scan Time

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

Date/Time	Activity	Location	Details
Dec 7, 2010 9:21 AM	**Delivered**	EARTH CITY, MO	
Dec 7, 2010 7:14 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
Dec 7, 2010 7:08 AM	At local FedEx facility	EARTH CITY, MO	
Dec 7, 2010 5:45 AM	At dest sort facility	BERKELEY, MO	
Dec 7, 2010 4:57 AM	Departed FedEx location	MEMPHIS, TN	
Dec 7, 2010 12:49 AM	Arrived at FedEx location	MEMPHIS, TN	
Dec 6, 2010 5:15 PM	Left FedEx origin facility	PASCO, WA	
Dec 6, 2010 4:01 PM	Picked up	PASCO, WA	
Dec 6, 2010 2:34 PM	Shipment information sent to FedEx		

Print page | Close

FedEx

Detailed Results

Tracking no.: 794185509819 Select time format: 12H

Delivered

Delivered
Signed for by: B.DANIELS

Shipment Dates	Destination
Ship date Dec 6, 2010	EARTH CITY, MO
Delivery date Dec 7, 2010 9:21 AM	Signature Proof of Delivery

Shipment Options

Hold at FedEx Location
Hold at FedEx Location service is not available for this shipment.

Shipment Facts

Service type	Priority Overnight	Delivered to	Shipping/Receiving
Weight	75.0 lbs/34.0 kg	Reference	GWS-172

Shipment Travel History

Select time zone: Local Scan Time

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

Date/Time	Activity	Location	Details
Dec 7, 2010 9:21 AM	Delivered	EARTH CITY, MO	
Dec 7, 2010 7:17 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
Dec 7, 2010 7:11 AM	At local FedEx facility	EARTH CITY, MO	
Dec 7, 2010 5:45 AM	At dest sort facility	BERKELEY, MO	
Dec 7, 2010 4:57 AM	Departed FedEx location	MEMPHIS, TN	
Dec 7, 2010 12:49 AM	Arrived at FedEx location	MEMPHIS, TN	
Dec 6, 2010 5:15 PM	Left FedEx origin facility	PASCO, WA	
Dec 6, 2010 4:01 PM	Picked up	PASCO, WA	
Dec 6, 2010 2:35 PM	Shipment information sent to FedEx		

Print page | Close

FedEx

Detailed Results

Tracking no.: 794185514998 Select time format: 12H

Delivered

Delivered
Signed for by: B.DANIELS

Shipment Dates

Ship date Dec 6, 2010
Delivery date Dec 7, 2010 9:21 AM

Destination

EARTH CITY, MO
Signature Proof of Delivery

Shipment Options

Hold at FedEx Location
Hold at FedEx Location service is not available for this shipment.

Shipment Facts

Service type	Priority Overnight	Delivered to	Shipping/Receiving
Weight	76.0 lbs/34.5 kg	Reference	GWS-187

Shipment Travel History

Select time zone: Local Scan Time

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

Date/Time	Activity	Location	Details
Dec 7, 2010 9:21 AM	Delivered	EARTH CITY, MO	
Dec 7, 2010 7:18 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
Dec 7, 2010 7:12 AM	At local FedEx facility	EARTH CITY, MO	
Dec 7, 2010 5:45 AM	At dest sort facility	BERKELEY, MO	
Dec 7, 2010 4:57 AM	Departed FedEx location	MEMPHIS, TN	
Dec 7, 2010 12:49 AM	Arrived at FedEx location	MEMPHIS, TN	
Dec 6, 2010 5:15 PM	Left FedEx origin facility	PASCO, WA	
Dec 6, 2010 4:01 PM	Picked up	PASCO, WA	
Dec 6, 2010 2:36 PM	Shipment information sent to FedEx		

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): FOL070503 508 510 513 516 | FOL070521 524 9/12-7-10 ~~528~~ 526 9/12-7-10 ~~528~~ 527

286

CONDITION UPON RECEIPT FORM

Client: CHPRC

Quote No: 86817, 87651, 87742, 87665, 87576, 87104, 87614, 87547

COC/RFA No: SEE BELOW

Initiated By: NJO Date: 12/7/10 Time: 0950

Shipping Information

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

Shipping # (s):*		Sample Temperature (s):**	
1. 7941 8499 6444	6.	1. 3	6.
2. 7941 8550 4081	7.	2. 2	7.
3. 7941 8550 9819	8.	3. 2	8.
4. 7941 8551 4998	9.	4. 2	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:

F10-196-126
F11-012-032
F11-012-034
F11-012-031
F10-284-012
F10-284-004

W11-010-92
W11-010-75
W11-010-86
W11-010-74
NJO 12/7/10

X10-106-108
X10-115-5
X11-005-42
X11-006-85
X11-005-42
X11-005-81
X11-005-211
X11-005-231
X11-005-72

X11-005-51
X11-005-71
X11-005-191
X11-005-181
X11-005-33
X11-005-28
X11-005-52
X11-005-19
X11-005-41
X11-005-61
I11-001-659

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: 12-11-10

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# SL1009

CHPRC SL1009 87514

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # X11-005-261

Collector: MS McCoy CHPRC	Contact/Requester: Karen Waters-Husted	Telephone No.: 376-4650
SAF No.: X11-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 300118ES20
Project Title: IU2, IU6DURA, OCTOBER 2010	Logbook No: HNF-N-506 33177	Ice Chest No.: GWS-235
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Commercial Carrier	Bill of Lading/Air Bill No.: 7965 0806 8051
Protocol: CERCLA	Priority: 30 Days PRIORITY	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
Site Wide Area Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401922.
Please report all TICs.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27XB7	N	W	12-1-10	1030	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B27XB7	N	W	12-1-10	1030	1x20-mL P	Activity Scan	6 Months	None

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
MS McCoy CHPRC	DEC 01 2010 1145	SSU- 1	DEC 01 2010 1145
SSU- 1	DEC 02 2010 0730	L.D. Wall CHPRC	DEC 02 2010 0730
L.D. Wall CHPRC	DEC 02 2010 1400	FEDEX	
FEDEX		Brian Daniels B-1	12/3/10 0930

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

A-6004-842 (REV 2)

TestAmerica St. Louis

SDG# SL1009

CHPRC SL1009	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # X11-005-111 Page 1 of 1

Collector KE Hamilton CHPRC	Contact/Requester Karen Waters-Husted	Telephone No. 376-4650
SAF No. X11-005	Sampling Origin Hanford Site	Purchase Order/Charge Code 300118ES20
Project Title IU2, IU6DURA, OCTOBER 2010	Logbook No: HNF-N-506 32 / 74	Ice Chest No. GWS-235
Shipped To (Lab) TestAmerica St. Louis	Method of Shipment Commercial Carrier	Bill of Lading/Air Bill No. 7965 0806 8051
Protocol CERCLA	Priority: 30 Days PRIORITY	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
Site Wide Area Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401922.
Please report all TICs.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27X13	N	W	12/01/10	1230	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B27X13	N	W	12/01/10	1230	1x20-mL P	Activity Scan	6 Months	None

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
KE Hamilton CHPRC	DEC 01 2010 1405	SSU- 1	DEC 01 2010 1405
SSU- 1	DEC 02 2010 0730	L.D. Wall CHPRC	DEC 02 2010 0730
L.D. Wall CHPRC	DEC 02 2010 1400	FEDEX	
FEDEX		Brian Daniel	12/3/10 0930

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

A-6004-842 (REV 2)

TestAmerica St. Louis

SDG# SL1009

CHPRC SL1009	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # X11-005-112 Page 1 of 1

Collector KE Hamilton	Contact/Requester Karen Waters-Husted	Telephone No. 376-4650
SAF No. CHPRC X11-005	Sampling Origin Hanford Site	Purchase Order/Charge Code 300118ES20
Project Title IU2 IU6DURA, OCTOBER 2010	Logbook No: HNF-N-506 32 / 74	Ice Chest No. GWS-235
Shipped To (Lab) TestAmerica St. Louis	Method of Shipment Commercial Carrier	Bill of Lading/Air Bill No. 7965 0806 8051
Protocol CERCLA	Priority: 30 Days PRIORITY	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
Site Wide Area Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401922.
Please report all TICs.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27X14	N	W	12/01/10	1230	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B27X14	N	W	12/01/10	1230	1x20-mL P	Activity Scan	6 Months	None

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
KE Hamilton CHPRC	DEC 01 2010 1405	SSU-1	DEC 01 2010 1405
SSU-1	DEC 02 2010 0730	L.D. Wall CHPRC	DEC 02 2010 0730
L.D. Wall CHPRC	DEC 02 2010 1400	FEDEX	
FEDEX		Brian Davis	12/3/10 0930

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

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

A-6004-842 (REV 2)

TestAmerica St. Louis

SDG# SL1009

17 lbs.

CHPRC SL1009	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # X11-005-171
		Page 1 of 1

Collector: MS McCoy, CHPRC	Contact/Requester: Karen Waters-Husted	Telephone No.: 376-4650
SAF No.: X11-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 300118ES20
Project Title: IU2, IU6DURA, OCTOBER 2010	Logbook No: HNF-N-506 33177	Ice Chest No.: GWS-235
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Commercial Carrier	Bill of Lading/Air Bill No.: 7965 0806 8051
Protocol: CERCLA	Priority: 30 Days PRIORITY	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
Site Wide Area Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401922.
Please report all TICs.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27X53	N	W	12-1-10	0848	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B27X53	N	W	12-1-10	0848	1x20-mL P	Activity Scan	6 Months	None

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
MS McCoy, CHPRC	DEC 01 2010 1145	SSU- 1	DEC 01 2010 1145
SSU- 1	DEC 02 2010 0730	L.D. Wall, CHPRC	DEC 02 2010 0730
L.D. Wall, CHPRC	DEC 02 2010 1400	FEDEX	
FEDEX		Brian Daniel	12/3/10 0930

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

A-6004-842 (REV 2)

TestAmerica St. Louis

Print page | Close

FedEx

Detailed Results

Tracking no.: 796508068051 Select time format: 12H

Delivered

Delivered
Signed for by: J.CLARK

Shipment Dates	Destination
Ship date Dec 2, 2010	EARTH CITY, MO
Delivery date Dec 3, 2010 9:23 AM	Signature Proof of Delivery

Shipment Options

Hold at FedEx Location
Hold at FedEx Location service is not available for this shipment.

Shipment Facts

Service type	Priority Overnight	Delivered to	Shipping/Receiving
Weight	17.0 lbs/7.7 kg	Reference	GWS-235

Shipment Travel History

Select time zone: Local Scan Time

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

Date/Time	Activity	Location	Details
Dec 3, 2010 9:23 AM	Delivered	EARTH CITY, MO	
Dec 3, 2010 6:25 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
Dec 3, 2010 6:20 AM	At local FedEx facility	EARTH CITY, MO	
Dec 3, 2010 5:18 AM	At dest sort facility	BERKELEY, MO	
Dec 3, 2010 4:28 AM	Departed FedEx location	MEMPHIS, TN	
Dec 3, 2010 12:23 AM	Arrived at FedEx location	MEMPHIS, TN	
Dec 2, 2010 5:09 PM	Left FedEx origin facility	PASCO, WA	
Dec 2, 2010 3:37 PM	Picked up	PASCO, WA	
Dec 2, 2010 11:02 AM	Shipment information sent to FedEx		

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): F0L030502, 503, 506, 511, 573, 574

CONDITION UPON RECEIPT FORM

Client: CHPRC

Quote No: 87576, 87598, 87585, 86817, 87708, 269

COC/RFA No: see below

Initiated By: BD Date: 12/3/10 Time: 0930

Shipping Information

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

Shipping # (s):*

1. 7965 1025 0868
2. 7965 0806 8051
3.
4.
5.
6.
7.
8.
9.
10.

Sample Temperature (s):**

1. 3
2. 3
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: F10-216-053, F10-244-004, F10-196-123
I11-001-656, ~~X110~~ 30 12/31-0 X11-005-261, 111, 112, 171

378 JRB rec'd out of hold.

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: 12-05-10

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# SL1009

SL1009

CHPRC CUR267

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # X11-005-121

Page 1 of ~~1~~ 2 LW. 12/1/10

Collector: JOSH ARTZER, CHPRC	Contact/Requester: Karen Waters-Husted	Telephone No.: 376-4650
SAF No.: X11-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 300118ES20
Project Title: IU2 IU6DURA, OCTOBER 2010	Logbook No: HNF-N-506 31 191	Ice Chest No.: GWS-184 LW. 12/1/10
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Commercial Carrier	Bill of Lading/Air Bill No.: ~~7941 6383 5669~~
Protocol: CERCLA	Priority: 30 Days **PRIORITY**	Offsite Property No.: N/A 7941 6868 6493

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 Area Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401922.
Please report all TICs.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27X23	N	W	11/29/10	0950	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B27X23	N	W	↓	↓	1x20-mL P	Activity Scan	6 Months	None

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
JOSH ARTZER CHPRC	Josh Artzer	1503 NOV 2 9 2010	SSU- 1		1503 NOV 2 9 2010
SSU- 1		0800 NOV 3 0 2010	SE Hamaker CHPRC	Scott Hamaker	0800 NOV 3 0 2010
SE Hamaker CHPRC	Scott Hamaker	1400 NOV 3 0 2010	FED EX	b/11/30/10 SSU- 1	11/30/10 1400
SSU-1		DEC 0 1 2010 0800	L.D. Wall CHPRC	L. D. Wall	DEC 0 1 2010 0800

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

A-6004-842 (REV 2)

TestAmerica St. Louis

SL1009

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST (continued)

C.O.C. No. X11-005-121

Page 2 of 2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
L.D. Wall CHPRC	L. D. Wall		DEC 0 1 2010 1400	FEDEX			
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
FEDEX				NICHOLAS OWENS			12/2/10 0930
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time

A-6003-962 (03/05)

SDG# SL1009

CHPRC SL1009	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # X11-005-141
		Page 1 of ~~1~~ 2 LW. 12/1/10

Collector JOSH ARTZER CHPRC	Contact/Requester Karen Waters-Husted	Telephone No. 376-4650
SAF No. X11-005	Sampling Origin Hanford Site	Purchase Order/Charge Code 300118ES20
Project Title IU2 IU6DURA. OCTOBER 2010	Logbook No: HNF-N-506 31 191	Ice Chest No. GU05-184 LW. 12/1/10
Shipped To (Lab) TestAmerica St. Louis	Method of Shipment Commercial Carrier	Bill of Lading/Air Bill No. ~~7941 6383 5669~~
Protocol CERCLA	Priority: 30 Days **PRIORITY**	Offsite Property No. N/A 7941 6868 6493

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 Area Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401922.
Please report all TICs.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27X35	N	W	11/29/10	1358	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B27X35	N	W	↓	↓	1x20-mL P	Activity Scan	6 Months	None

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
JOSH ARTZER CHPRC	Josh Artzer	1503 NOV 2 9 2010	SSU- 1		1503 NOV 2 9 2010
SSU- 1		0800 NOV 3 0 2010	SE Hamaker CHPRC	Scott Hamaker	0800 NOV 3 0 2010
SE Hamaker CHPRC	Scott Hamaker	1400 NOV 3 0 2010	Received By bb 11/30/10 ~~FED EX~~ SSU- 1		11/30/10 1400
Relinquished By SSU-1		DEC 0 1 2010 0800	Received By L.D. Wall CHPRC	L.D. Wall	DEC 0 1 2010 0800

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

A-6004-842 (REV 2)

TestAmerica St. Louis

SL1009

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST (continued)

C.O.C. No. XII-005-141

Page 2 of 2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
L.D. Wall CHPRC	R. O. Wall	DEC 0 1 2010	1400	FEDEX			
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
FEDEX					NICHOLAS OWENS		12/2/10 0930
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time

A-6003-962 (03/05)

TestAmerica St. Louis

SDG# SL1009

CHPRC SL1009	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # X11-005-291
		Page 1 of 12

Collector: DJ Woehle, CHPRC	Contact/Requester: Karen Waters-Husted	Telephone No.: 376-4650
SAF No.: X11-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 300118ES20
Project Title: IU2, IU6DURA, OCTOBER 2010	Logbook No: HNF-N-506 34 / 83	Ice Chest No.: GWS-184
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Commercial Carrier	Bill of Lading/Air Bill No.: 7941 6383 5669
Protocol: CERCLA	Priority: 30 Days PRIORITY	Offsite Property No.: N/A 7941 6868 6493

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 Area Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401922.
Please report all TICs.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27XD5	N	W	11/29/10	1300	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B27XD5	N	W	↓	↓	1x20-mL P	Activity Scan	6 Months	None

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
DJ Woehle, CHPRC	DJ Woehle	NOV 29 2010 1400	SSU- 1		NOV 29 2010 1400
SSU- 1		NOV 30 2010 0800	SE Hamaker, CHPRC	Scott Hamaker	NOV 30 2010 0800
SE Hamaker, CHPRC	Scott Hamaker	NOV 30 2010 1400	bb 11/30/10 FED EX	SSU- 1	11/30/10 1400
SSU-1		DEC 01 2010 0800	L.D. Wall, CHPRC	L.D. Wall	DEC 01 2010 0800

Matrix *

S = Soil		DS = Drum Solid	
SR = 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

A-6004-842 (REV 2)

TestAmerica St. Louis

SL1009

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST (continued)

C.O.C. No. X11-005-291

Page 2 of 2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
L.D. Wall CHPRC	L.D. Wall		DEC 0 1 2010 1400	FEDEX			
FEDEX					NICHOLAS OWENS		12/2/10 0930

A-6003-962 (03/05)

SDG# SL1009

CHPRC SL1009

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # X11-005-131

Page 1 of ~~12~~ 12 LW. 12/1/10

Collector: JOSH ARTZER, CHPRC	Contact/Requester: Karen Waters-Husted	Telephone No.: 376-4650
SAF No.: X11-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 300118ES20
Project Title: IU2, IU6DURA, OCTOBER 2010	Logbook No: HNF-N-506 31 / 91	Ice Chest No.: GWS-184 LW. 12/1/10
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Commercial Carrier	Bill of Lading/Air Bill No.: 7941 6383 5669
Protocol: CERCLA	Priority: 30 Days **PRIORITY**	Offsite Property No.: N/A 7941 6868 6493

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 Area Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401922.
Please report all TICs.

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27X29	N	W	11/29/10	1207	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B27X29	N	W	↓	↓	1x20-mL P	Activity Scan	6 Months	None

Relinquished By	Date/Time	Received By	Date/Time
Print: JOSH ARTZER, CHPRC; Sign: [signature]	NOV 29 2010 1503	Print: SSU-1; Sign:	NOV 29 2010 1503
SSU-1	NOV 30 2010 0800	SE Hamaker, CHPRC [signature]	NOV 30 2010 0800
SE Hamaker, CHPRC [signature]	NOV 30 2010 1400	~~KEH~~ EX 60 11/30/10 SSU-1	11/30/10 1400
SSU-1	DEC 01 2010 0800	L.D. Wall, CHPRC [signature]	DEC 01 2010 0800

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

A-6004-842 (REV 2)

TestAmerica St. Louis

SL1009

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST (continued)

C.O.C. No. X11-005-131

Page 2 of 2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
L.D. Wall CHPRC	L.D. Wall	DEC 0 1 2010	1400	FEDEX			
FEDEX					NICHOLAS OWENS		12/2/10 0930

A-6003-962 (03/05)

TestAmerica St. Louis

SDG# SL1009

CHPRC SL1009

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # X11-005-251

Page 1 of ~~1~~ 2 LW. 12/1/10

Collector: JP HERRICK	Contact/Requester: Karen Waters-Husted	Telephone No.: 376-4650
SAF No. CHPRC X11-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 300118ES20
Project Title: IU2 IU6DURA, OCTOBER 2010	Logbook No: HNF-N-506 32 / 72	Ice Chest No. GWS-184 LW. 12/1/10
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Commercial Carrier	Bill of Lading/Air Bill No. ~~7941 6383 5669~~
Protocol: CERCLA	Priority: 30 Days **PRIORITY**	Offsite Property No. N/A 7941 6868 6493

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 Area Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401922.
Please report all TICs.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27XB1	N	W	11/29/10	1246	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B27XB1	N	W	11/29/10	1246	1x20-mL P	Activity Scan	6 Months	None

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
JP HERRICK CHPRC		NOV 29 2010 1530	SSU #1		NOV 29 2010 1520
SSU-1		NOV 30 2010 0800	SE Hamaker CHPRC	Scott Hamaker	NOV 30 2010 0800
SE Hamaker CHPRC	Scott Hamaker	NOV 30 2010 1400	~~FED EX~~ SSU-1	06/11/30/10	11/30/10 1400
SSU-1		DEC 01 2010 0800	L.D. Wall CHPRC	L.D. Wall	DEC 01 2010 0800

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

A-6004-842 (REV 2)

TestAmerica St. Louis

SL1009

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST (continued)

C.O.C. No. X11-005-251

Page 2 of 2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
L.D. Wall OHPRC	L.D. Wall	DEC 0 1 2010	1400	FEDEX			
FEDEX					NICHOLAS OWENS		12/2/10 0930

A-6003-962 (03/05)

TestAmerica St. Louis

SDG# SL1009

SDG# SL1009

CHPRC SL1009	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # X11-005-271 Page 1 of 12

Collector JP HERRICK CHPRC	Contact/Requester Karen Waters-Husted	Telephone No. 376-4650
SAF No. X11-005	Sampling Origin Hanford Site	Purchase Order/Charge Code 300118ES20
Project Title IU2_IU6DURA_OCTOBER 2010	Logbook No: HNF-N-506 32 / 72	Ice Chest No. GWS-184
Shipped To (Lab) TestAmerica St. Louis	Method of Shipment Commercial Carrier	Bill of Lading/Air Bill No. ~~7941 6383 5069~~
Protocol CERCLA	Priority: 30 Days PRIORITY	Offsite Property No. N/A 7941 6868 6493

LW. 12/1/10

LW. 12/1/10

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 Area Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401922.
Please report all TICs.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27XC3	N	W	11/29/10	1030	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B27XC3	N	W	11/29/10	1030	1x20-mL P	Activity Scan	6 Months	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
JP HERRICK CHPRC			1530 NOV 29 2010	SSU #1			1530 NOV 29 2010
SSU-1			0800 NOV 30 2010	SE Hamaker CHPRC			0800 NOV 30 2010
SE Hamaker CHPRC			1400 NOV 30 2010	~~KEA~~ SSU-1			11/30/10 1400
SSU-1			DEC 01 2010 0800	L.D. Wall CHPRC			DEC 01 2010 0800

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

A-6004-842 (REV 2)

TestAmerica St. Louis

SL1009

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST (continued)

C.O.C. No. X11-005-271

Page 2 of 2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
L.D. Wall CHPRC	L.D. Wall	DEC 0 1 2010	1400	FEDEX			
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
FedEx					NICHOLAS OWENS		12/2/10 0980
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time

A-6003-962 (03/05)

TestAmerica St. Louis

SDG# SL1009

CHPRC SL1009	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # X11-005-241 Page 1 of 12

Collector JP HERRICK CHPRC	Contact/Requester Karen Waters-Husted	Telephone No. 376-4650
SAF No. X11-005	Sampling Origin Hanford Site	Purchase Order/Charge Code 300118ES20
Project Title IU2 IU6DURA, OCTOBER 2010	Logbook No: HNF-N-506 32 / 72	Ice Chest No. GWS-184
Shipped To (Lab) TestAmerica St. Louis	Method of Shipment Commercial Carrier	Bill of Lading/Air Bill No. ~~7941 6383 5669~~
Protocol CERCLA	Priority: 30 Days **PRIORITY**	Offsite Property No. N/A 7941 6868 6493

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 Area Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401922.
Please report all TICs.

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27X95	N	W	11/29/10	1413	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B27X95	N	W	11/29/10	1413	1x20-mL P	Activity Scan	6 Months	None

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
JP HERRICK CHPRC	NOV 29 2010 1520	SSU #1	NOV 29 2010 1520
SSU- 1	0800 NOV 30 2010	SE Hamaker CHPRC	0800 NOV 30 2010
SE Hamaker CHPRC	1400 NOV 30 2010	FED EX SSU- 1	11/30/10 1400
SSU-1	DEC 01 2010 0800	L.D. Wall CHPRC	DEC 01 2010 0800

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

A-6004-842 (REV 2)

TestAmerica St. Louis

SL1009

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST (continued)

C.O.C. No. XII-005-241

Page 2 of 2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
L.D. Wall CHPRC	L.D. Wall	DEC 0 1 2010	1400	FEDEX			
FedEx					NICHOLAS OWENS		12/2/10 0930

A-6003-962 (03/05)

TestAmerica St. Louis

SDG# SL1009

47 lbs

CHPRC SL1009	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # X11-005-161
		Page 1 of 1

Collector CA Snyder CHPRC	Contact/Requester Karen Waters-Husted	Telephone No. 376-4650
SAF No. X11-005	Sampling Origin Hanford Site	Purchase Order/Charge Code 300118ES20
Project Title IU2, IU6DURA, OCTOBER 2010	Logbook No: HNF-N-506 34 184	Ice Chest No. 6WS-184
Shipped To (Lab) TestAmerica St. Louis	Method of Shipment Commercial Carrier	Bill of Lading/Air Bill No. 7941 6868 6493
Protocol CERCLA	Priority: 30 Days PRIORITY	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
Site Wide Area Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401922.
Please report all TICs.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27X47	N	W	11-30-10	1010	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B27X47	N	W	↑	↑	1x20-mL P	Activity Scan	6 Months	None

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
CA Snyder CHPRC	1110 NOV 30 2010	SSU-1	1110 NOV 30 2010
SSU-1	DEC 01 2010 0800	L.D. Wall CHPRC	DEC 01 2010 0800
L.D. Wall CHPRC	DEC 01 2010 1400	FEDEX	
FEDEX		NICHOLAS OWENS	12/2/10 0930

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

A-6004-842 (REV 2)

TestAmerica St. Louis

Print page | Close

FedEx

Detailed Results

Tracking no.: 794168686493 Select time format: 12H

Delivered

Delivered
Signed for by: S.WILSON

Shipment Dates	Destination
Ship date Dec 1, 2010	EARTH CITY, MO
Delivery date Dec 2, 2010 9:29 AM	Signature Proof of Delivery

Shipment Options

Hold at FedEx Location
Hold at FedEx Location service is not available for this shipment.

Shipment Facts

Service type	Priority Overnight	Delivered to	Shipping/Receiving
Weight	47.0 lbs/21.3 kg	Reference	GWS-184

Shipment Travel History

Select time zone: Local Scan Time

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

Date/Time	Activity	Location	Details
Dec 2, 2010 9:29 AM	Delivered	EARTH CITY, MO	
Dec 2, 2010 7:04 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
Dec 2, 2010 6:59 AM	At local FedEx facility	EARTH CITY, MO	
Dec 2, 2010 5:28 AM	At dest sort facility	BERKELEY, MO	
Dec 2, 2010 4:41 AM	Departed FedEx location	MEMPHIS, TN	
Dec 2, 2010 12:26 AM	Arrived at FedEx location	MEMPHIS, TN	
Dec 1, 2010 5:15 PM	Left FedEx origin facility	PASCO, WA	
Dec 1, 2010 2:30 PM	Picked up	PASCO, WA	
Dec 1, 2010 11:25 AM	Shipment information sent to FedEx		

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): F0L020460, 463, 465

CONDITION UPON RECEIPT FORM

Client: CHPRC

Quote No: 87576/87547

COC/RFA No: SEE BELOW

267

Initiated By: NVO Date: 12/2/10 Time: 0930

Shipping Information

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

Shipping # (s):*		Sample Temperature (s):**	
1. 7941 6868 6493	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:

X11-005-121 X11-004-153
X11-005-141 X11-004-108
X11-005-291
X11-005-131 I11-001-657
X11-005-251
X11-005-271 X11-006-57
X11-005-241
X11-005-161

Corrective Action:

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

Project Management Review: Mult Ch Date: 12-05-10

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

GC/MS VOLATILES

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B27X23

GC/MS Volatiles

Lot-Sample #...: F0L020460-001 **Work Order #...:** MAQXT1AC **Matrix.....:** WATER
Date Sampled...: 11/29/10 **Date Received..:** 12/02/10
Prep Date.....: 12/06/10 **Analysis Date..:** 12/06/10
Prep Batch #...: 0341130
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	2.0
Acrolein	ND	10	ug/L	2.8
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	**0.83 J,B,T**	**2.0**	**ug/L**	**0.25**
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroprene	ND	1.0	ug/L	0.097
Dibromochloromethane	ND	1.0	ug/L	0.13
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.41
Chloroethane	ND	2.0	ug/L	0.099
Chloromethane	**0.68 J,B**	**2.0**	**ug/L**	**0.077**
Allyl chloride	ND	2.0	ug/L	0.11
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.21
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.29
Dichlorodifluoromethane	ND	2.0	ug/L	0.084
1,1-Dichloroethene	ND	1.0	ug/L	0.083
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.097
cis-1,3-Dichloropropene	ND T	1.0	ug/L	0.073
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.083
1,4-Dioxane	ND	20	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Ethyl methacrylate	ND	1.0	ug/L	0.11
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND	5.0	ug/L	0.22
Iodomethane	**0.48 J,B,T**	**2.0**	**ug/L**	**0.092**
Isobutanol	ND	80	ug/L	8.7
Methacrylonitrile	ND	5.0	ug/L	0.50
Methyl methacrylate	ND	1.0	ug/L	0.26
Styrene	ND	1.0	ug/L	0.074
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.090
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.098
1,2,3-Trichloropropane	ND	1.0	ug/L	0.15
Vinyl acetate	ND	2.0	ug/L	0.18
Vinyl chloride	ND	2.0	ug/L	0.084

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B27X23

GC/MS Volatiles

Lot-Sample #...: F0L020460-001 **Work Order #...:** MAQXT1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.34
Methylene chloride	ND	1.0	ug/L	0.11
Carbon disulfide	ND	1.0	ug/L	0.051
1,1-Dichloroethane	ND	1.0	ug/L	0.068
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.083
1,1,1-Trichloroethane	ND	1.0	ug/L	0.069
Carbon tetrachloride	ND	1.0	ug/L	0.12
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	**0.48 J,B**	**1.0**	**ug/L**	**0.25**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	95	(70 - 127)
Dibromofluoromethane	98	(71 - 128)
1,2-Dichloroethane-d4	103	(65 - 128)
4-Bromofluorobenzene	100	(69 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

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

B27X23

GC/MS Volatiles

Lot-Sample #: F0L020460-001 **Work Order #:** MAQXT1AC **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: B27X35

GC/MS Volatiles

Lot-Sample #...: F0L020460-002 **Work Order #...:** MAQXV1AC **Matrix.....:** WATER
Date Sampled...: 11/29/10 **Date Received..:** 12/02/10
Prep Date.....: 12/06/10 **Analysis Date..:** 12/06/10
Prep Batch #...: 0341130
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	2.0
Acrolein	ND	10	ug/L	2.8
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	**0.60 J,B,T**	**2.0**	**ug/L**	**0.25**
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroprene	ND	1.0	ug/L	0.097
Dibromochloromethane	ND	1.0	ug/L	0.13
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.41
Chloroethane	ND	2.0	ug/L	0.099
Chloromethane	**0.54 J,B**	**2.0**	**ug/L**	**0.077**
Allyl chloride	ND	2.0	ug/L	0.11
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.21
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.29
Dichlorodifluoromethane	ND	2.0	ug/L	0.084
1,1-Dichloroethene	ND	1.0	ug/L	0.083
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.097
cis-1,3-Dichloropropene	ND T	1.0	ug/L	0.073
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.083
1,4-Dioxane	ND	20	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Ethyl methacrylate	ND	1.0	ug/L	0.11
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND	5.0	ug/L	0.22
Iodomethane	ND T	2.0	ug/L	0.092
Isobutanol	ND	80	ug/L	8.7
Methacrylonitrile	ND	5.0	ug/L	0.50
Methyl methacrylate	ND	1.0	ug/L	0.26
Styrene	ND	1.0	ug/L	0.074
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.090
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.098
1,2,3-Trichloropropane	ND	1.0	ug/L	0.15
Vinyl acetate	ND	2.0	ug/L	0.18
Vinyl chloride	ND	2.0	ug/L	0.084

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B27X35

GC/MS Volatiles

Lot-Sample #...: F0L020460-002 **Work Order #...:** MAQXV1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.34
Methylene chloride	ND	1.0	ug/L	0.11
Carbon disulfide	ND	1.0	ug/L	0.051
1,1-Dichloroethane	ND	1.0	ug/L	0.068
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.083
1,1,1-Trichloroethane	ND	1.0	ug/L	0.069
Carbon tetrachloride	ND	1.0	ug/L	0.12
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	**0.51 J,B**	**1.0**	**ug/L**	**0.25**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	93	(70 - 127)
Dibromofluoromethane	99	(71 - 128)
1,2-Dichloroethane-d4	106	(65 - 128)
4-Bromofluorobenzene	99	(69 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

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

B27X35

GC/MS Volatiles

Lot-Sample #: F0L020460-002 **Work Order #:** MAQXV1AC **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: B27XD5

GC/MS Volatiles

Lot-Sample #...: F0L020460-003 **Work Order #...:** MAQXW1AC **Matrix.....:** WATER
Date Sampled...: 11/29/10 **Date Received..:** 12/02/10
Prep Date.....: 12/06/10 **Analysis Date..:** 12/06/10
Prep Batch #...: 0341130
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	2.0
Acrolein	ND	10	ug/L	2.8
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	**0.58 J,B,T**	**2.0**	**ug/L**	**0.25**
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroprene	ND	1.0	ug/L	0.097
Dibromochloromethane	ND	1.0	ug/L	0.13
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.41
Chloroethane	ND	2.0	ug/L	0.099
Chloromethane	**0.63 J,B**	**2.0**	**ug/L**	**0.077**
Allyl chloride	ND	2.0	ug/L	0.11
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.21
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.29
Dichlorodifluoromethane	ND	2.0	ug/L	0.084
1,1-Dichloroethene	ND	1.0	ug/L	0.083
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.097
cis-1,3-Dichloropropene	ND T	1.0	ug/L	0.073
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.083
1,4-Dioxane	ND	20	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Ethyl methacrylate	ND	1.0	ug/L	0.11
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND	5.0	ug/L	0.22
Iodomethane	ND T	2.0	ug/L	0.092
Isobutanol	ND	80	ug/L	8.7
Methacrylonitrile	ND	5.0	ug/L	0.50
Methyl methacrylate	ND	1.0	ug/L	0.26
Styrene	ND	1.0	ug/L	0.074
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.090
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.098
1,2,3-Trichloropropane	ND	1.0	ug/L	0.15
Vinyl acetate	ND	2.0	ug/L	0.18
Vinyl chloride	ND	2.0	ug/L	0.084

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B27XD5

GC/MS Volatiles

Lot-Sample #...: F0L020460-003 **Work Order #...:** MAQXW1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.34
Methylene chloride	ND	1.0	ug/L	0.11
Carbon disulfide	ND	1.0	ug/L	0.051
1,1-Dichloroethane	ND	1.0	ug/L	0.068
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.083
1,1,1-Trichloroethane	ND	1.0	ug/L	0.069
Carbon tetrachloride	ND	1.0	ug/L	0.12
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	**0.44 J,B**	**1.0**	**ug/L**	**0.25**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	94	(70 - 127)
Dibromofluoromethane	96	(71 - 128)
1,2-Dichloroethane-d4	105	(65 - 128)
4-Bromofluorobenzene	96	(69 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

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

B27XD5

GC/MS Volatiles

Lot-Sample #: F0L020460-003 **Work Order #:** MAQXW1AC **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: B27X29

GC/MS Volatiles

Lot-Sample #...: F0L020460-004 **Work Order #...:** MAQXX1AC **Matrix.....:** WATER
Date Sampled...: 11/29/10 **Date Received..:** 12/02/10
Prep Date.....: 12/06/10 **Analysis Date..:** 12/06/10
Prep Batch #...: 0341130
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	2.0
Acrolein	ND	10	ug/L	2.8
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	**0.56 J,B,T**	**2.0**	**ug/L**	**0.25**
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroprene	ND	1.0	ug/L	0.097
Dibromochloromethane	ND	1.0	ug/L	0.13
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.41
Chloroethane	ND	2.0	ug/L	0.099
Chloromethane	**0.53 J,B**	**2.0**	**ug/L**	**0.077**
Allyl chloride	ND	2.0	ug/L	0.11
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.21
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.29
Dichlorodifluoromethane	ND	2.0	ug/L	0.084
1,1-Dichloroethene	ND	1.0	ug/L	0.083
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.097
cis-1,3-Dichloropropene	ND T	1.0	ug/L	0.073
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.083
1,4-Dioxane	ND	20	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Ethyl methacrylate	ND	1.0	ug/L	0.11
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND	5.0	ug/L	0.22
Iodomethane	ND T	2.0	ug/L	0.092
Isobutanol	ND	80	ug/L	8.7
Methacrylonitrile	ND	5.0	ug/L	0.50
Methyl methacrylate	ND	1.0	ug/L	0.26
Styrene	ND	1.0	ug/L	0.074
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.090
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.098
1,2,3-Trichloropropane	ND	1.0	ug/L	0.15
Vinyl acetate	ND	2.0	ug/L	0.18
Vinyl chloride	ND	2.0	ug/L	0.084

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B27X29

GC/MS Volatiles

Lot-Sample #...: F0L020460-004 **Work Order #...:** MAQXX1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.34
Methylene chloride	ND	1.0	ug/L	0.11
Carbon disulfide	ND	1.0	ug/L	0.051
1,1-Dichloroethane	ND	1.0	ug/L	0.068
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.083
1,1,1-Trichloroethane	ND	1.0	ug/L	0.069
Carbon tetrachloride	ND	1.0	ug/L	0.12
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	**0.43 J,B**	**1.0**	**ug/L**	**0.25**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	94	(70 - 127)
Dibromofluoromethane	98	(71 - 128)
1,2-Dichloroethane-d4	107	(65 - 128)
4-Bromofluorobenzene	102	(69 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

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

B27X29

GC/MS Volatiles

Lot-Sample #: F0L020460-004 **Work Order #:** MAQXX1AC **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: B27XB1

GC/MS Volatiles

Lot-Sample #...: F0L020460-005 **Work Order #...:** MAQX01AC **Matrix.....:** WATER
Date Sampled...: 11/29/10 **Date Received..:** 12/02/10
Prep Date.....: 12/06/10 **Analysis Date..:** 12/06/10
Prep Batch #...: 0341130
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	2.0
Acrolein	ND	10	ug/L	2.8
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	**0.61 J,B,T**	**2.0**	**ug/L**	**0.25**
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroprene	ND	1.0	ug/L	0.097
Dibromochloromethane	ND	1.0	ug/L	0.13
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.41
Chloroethane	ND	2.0	ug/L	0.099
Chloromethane	**0.59 J,B**	**2.0**	**ug/L**	**0.077**
Allyl chloride	ND	2.0	ug/L	0.11
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.21
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.29
Dichlorodifluoromethane	ND	2.0	ug/L	0.084
1,1-Dichloroethene	ND	1.0	ug/L	0.083
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.097
cis-1,3-Dichloropropene	ND T	1.0	ug/L	0.073
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.083
1,4-Dioxane	ND	20	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Ethyl methacrylate	ND	1.0	ug/L	0.11
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND	5.0	ug/L	0.22
Iodomethane	ND T	2.0	ug/L	0.092
Isobutanol	ND	80	ug/L	8.7
Methacrylonitrile	ND	5.0	ug/L	0.50
Methyl methacrylate	ND	1.0	ug/L	0.26
Styrene	ND	1.0	ug/L	0.074
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.090
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.098
1,2,3-Trichloropropane	ND	1.0	ug/L	0.15
Vinyl acetate	ND	2.0	ug/L	0.18
Vinyl chloride	ND	2.0	ug/L	0.084

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B27XB1

GC/MS Volatiles

Lot-Sample #...: F0L020460-005 Work Order #...: MAQX01AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.34
Methylene chloride	ND	1.0	ug/L	0.11
Carbon disulfide	ND	1.0	ug/L	0.051
1,1-Dichloroethane	ND	1.0	ug/L	0.068
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	**0.29 J**	**1.0**	**ug/L**	**0.10**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.083
1,1,1-Trichloroethane	ND	1.0	ug/L	0.069
Carbon tetrachloride	ND	1.0	ug/L	0.12
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	**1.4 B**	**1.0**	**ug/L**	**0.25**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	95	(70 - 127)
Dibromofluoromethane	99	(71 - 128)
1,2-Dichloroethane-d4	104	(65 - 128)
4-Bromofluorobenzene	100	(69 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

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

B27XB1

GC/MS Volatiles

Lot-Sample #: F0L020460-005 **Work Order #:** MAQX01AC **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: B27XC3

GC/MS Volatiles

Lot-Sample #...: F0L020460-006 **Work Order #...:** MAQX11AC **Matrix.....:** WATER
Date Sampled...: 11/29/10 **Date Received..:** 12/02/10
Prep Date.....: 12/06/10 **Analysis Date..:** 12/06/10
Prep Batch #...: 0341130
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	2.0
Acrolein	ND	10	ug/L	2.8
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	**0.64 J,B,T**	**2.0**	**ug/L**	**0.25**
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroprene	ND	1.0	ug/L	0.097
Dibromochloromethane	ND	1.0	ug/L	0.13
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.41
Chloroethane	ND	2.0	ug/L	0.099
Chloromethane	**0.55 J,B**	**2.0**	**ug/L**	**0.077**
Allyl chloride	ND	2.0	ug/L	0.11
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.21
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.29
Dichlorodifluoromethane	ND	2.0	ug/L	0.084
1,1-Dichloroethene	ND	1.0	ug/L	0.083
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.097
cis-1,3-Dichloropropene	ND T	1.0	ug/L	0.073
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.083
1,4-Dioxane	ND	20	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Ethyl methacrylate	ND	1.0	ug/L	0.11
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND	5.0	ug/L	0.22
Iodomethane	ND T	2.0	ug/L	0.092
Isobutanol	ND	80	ug/L	8.7
Methacrylonitrile	ND	5.0	ug/L	0.50
Methyl methacrylate	ND	1.0	ug/L	0.26
Styrene	ND	1.0	ug/L	0.074
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.090
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.098
1,2,3-Trichloropropane	ND	1.0	ug/L	0.15
Vinyl acetate	ND	2.0	ug/L	0.18
Vinyl chloride	ND	2.0	ug/L	0.084

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B27XC3

GC/MS Volatiles

Lot-Sample #...: F0L020460-006 Work Order #...: MAQX11AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.34
Methylene chloride	ND	1.0	ug/L	0.11
Carbon disulfide	ND	1.0	ug/L	0.051
1,1-Dichloroethane	ND	1.0	ug/L	0.068
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.083
1,1,1-Trichloroethane	ND	1.0	ug/L	0.069
Carbon tetrachloride	ND	1.0	ug/L	0.12
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	**0.44 J,B**	**1.0**	**ug/L**	**0.25**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	95	(70 - 127)
Dibromofluoromethane	99	(71 - 128)
1,2-Dichloroethane-d4	111	(65 - 128)
4-Bromofluorobenzene	97	(69 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

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

B27XC3

GC/MS Volatiles

Lot-Sample #: F0L020460-006 **Work Order #:** MAQX11AC **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: B27X95

GC/MS Volatiles

Lot-Sample #...: F0L020460-007 **Work Order #...:** MAQX41AC **Matrix.....:** WATER
Date Sampled...: 11/29/10 **Date Received..:** 12/02/10
Prep Date.....: 12/06/10 **Analysis Date..:** 12/06/10
Prep Batch #...: 0341130
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	2.0
Acrolein	ND	10	ug/L	2.8
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	**0.56 J,B,T**	**2.0**	**ug/L**	**0.25**
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroprene	ND	1.0	ug/L	0.097
Dibromochloromethane	ND	1.0	ug/L	0.13
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.41
Chloroethane	ND	2.0	ug/L	0.099
Chloromethane	**0.57 J,B**	**2.0**	**ug/L**	**0.077**
Allyl chloride	ND	2.0	ug/L	0.11
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.21
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.29
Dichlorodifluoromethane	ND	2.0	ug/L	0.084
1,1-Dichloroethene	ND	1.0	ug/L	0.083
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.097
cis-1,3-Dichloropropene	ND T	1.0	ug/L	0.073
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.083
1,4-Dioxane	ND	20	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Ethyl methacrylate	ND	1.0	ug/L	0.11
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND	5.0	ug/L	0.22
Iodomethane	ND T	2.0	ug/L	0.092
Isobutanol	ND	80	ug/L	8.7
Methacrylonitrile	ND	5.0	ug/L	0.50
Methyl methacrylate	ND	1.0	ug/L	0.26
Styrene	ND	1.0	ug/L	0.074
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.090
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.098
1,2,3-Trichloropropane	ND	1.0	ug/L	0.15
Vinyl acetate	ND	2.0	ug/L	0.18
Vinyl chloride	ND	2.0	ug/L	0.084

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B27X95

GC/MS Volatiles

Lot-Sample #...: F0L020460-007 **Work Order #...:** MAQX41AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.34
Methylene chloride	ND	1.0	ug/L	0.11
Carbon disulfide	ND	1.0	ug/L	0.051
1,1-Dichloroethane	ND	1.0	ug/L	0.068
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.083
1,1,1-Trichloroethane	ND	1.0	ug/L	0.069
Carbon tetrachloride	ND	1.0	ug/L	0.12
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	**1.7 B**	**1.0**	**ug/L**	**0.25**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	93	(70 - 127)
Dibromofluoromethane	99	(71 - 128)
1,2-Dichloroethane-d4	112	(65 - 128)
4-Bromofluorobenzene	98	(69 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

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

B27X95

GC/MS Volatiles

Lot-Sample #: F0L020460-007 **Work Order #:** MAQX41AC **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: B27X47

GC/MS Volatiles

Lot-Sample #...: F0L020460-008 **Work Order #...:** MAQX51AC **Matrix.....:** WATER
Date Sampled...: 11/30/10 **Date Received..:** 12/02/10
Prep Date.....: 12/07/10 **Analysis Date..:** 12/07/10
Prep Batch #...: 0348215
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	2.0
Acrolein	ND	10	ug/L	2.8
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	**0.74 J,B,T**	**2.0**	**ug/L**	**0.25**
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroprene	ND	1.0	ug/L	0.097
Dibromochloromethane	ND	1.0	ug/L	0.13
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.41
Chloroethane	ND	2.0	ug/L	0.099
Chloromethane	**0.75 J,B,T**	**2.0**	**ug/L**	**0.077**
Allyl chloride	ND	2.0	ug/L	0.11
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.21
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.29
Dichlorodifluoromethane	ND	2.0	ug/L	0.084
1,1-Dichloroethene	ND	1.0	ug/L	0.083
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.097
cis-1,3-Dichloropropene	ND T	1.0	ug/L	0.073
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.083
1,4-Dioxane	ND	20	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Ethyl methacrylate	ND	1.0	ug/L	0.11
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND	5.0	ug/L	0.22
Iodomethane	**0.44 J,T**	**2.0**	**ug/L**	**0.092**
Isobutanol	ND	80	ug/L	8.7
Methacrylonitrile	ND	5.0	ug/L	0.50
Methyl methacrylate	ND	1.0	ug/L	0.26
Styrene	ND	1.0	ug/L	0.074
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.090
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.098
1,2,3-Trichloropropane	ND	1.0	ug/L	0.15
Vinyl acetate	ND	2.0	ug/L	0.18
Vinyl chloride	ND	2.0	ug/L	0.084

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B27X47

GC/MS Volatiles

Lot-Sample #...: F0L020460-008 **Work Order #...:** MAQX51AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.34
Methylene chloride	ND	1.0	ug/L	0.11
Carbon disulfide	ND	1.0	ug/L	0.051
1,1-Dichloroethane	ND	1.0	ug/L	0.068
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.083
1,1,1-Trichloroethane	ND	1.0	ug/L	0.069
Carbon tetrachloride	ND	1.0	ug/L	0.12
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	ND	1.0	ug/L	0.25
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	93	(70 - 127)
Dibromofluoromethane	97	(71 - 128)
1,2-Dichloroethane-d4	99	(65 - 128)
4-Bromofluorobenzene	99	(69 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

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

B27X47

GC/MS Volatiles

Lot-Sample #: F0L020460-008 **Work Order #:** MAQX51AC **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: B27XB7

GC/MS Volatiles

Lot-Sample #...: F0L030502-001 **Work Order #...:** MAT051AC **Matrix.....:** WATER
Date Sampled...: 12/01/10 **Date Received..:** 12/03/10
Prep Date.....: 12/07/10 **Analysis Date..:** 12/07/10
Prep Batch #...: 0348215
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	2.0
Acrolein	ND	10	ug/L	2.8
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	**0.71 J,B,T**	**2.0**	**ug/L**	**0.25**
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroprene	ND	1.0	ug/L	0.097
Dibromochloromethane	ND	1.0	ug/L	0.13
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.41
Chloroethane	ND	2.0	ug/L	0.099
Chloromethane	**0.65 J,B,T**	**2.0**	**ug/L**	**0.077**
Allyl chloride	ND	2.0	ug/L	0.11
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.21
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.29
Dichlorodifluoromethane	ND	2.0	ug/L	0.084
1,1-Dichloroethene	ND	1.0	ug/L	0.083
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.097
cis-1,3-Dichloropropene	ND T	1.0	ug/L	0.073
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.083
1,4-Dioxane	ND	20	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Ethyl methacrylate	ND	1.0	ug/L	0.11
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND	5.0	ug/L	0.22
Iodomethane	ND T	2.0	ug/L	0.092
Isobutanol	ND	80	ug/L	8.7
Methacrylonitrile	ND	5.0	ug/L	0.50
Methyl methacrylate	ND	1.0	ug/L	0.26
Styrene	ND	1.0	ug/L	0.074
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.090
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.098
1,2,3-Trichloropropane	ND	1.0	ug/L	0.15
Vinyl acetate	ND	2.0	ug/L	0.18
Vinyl chloride	ND	2.0	ug/L	0.084

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B27XB7

GC/MS Volatiles

Lot-Sample #...: F0L030502-001 **Work Order #...:** MAT051AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.34
Methylene chloride	ND	1.0	ug/L	0.11
Carbon disulfide	ND	1.0	ug/L	0.051
1,1-Dichloroethane	ND	1.0	ug/L	0.068
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	**0.23 J**	**1.0**	**ug/L**	**0.10**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.083
1,1,1-Trichloroethane	ND	1.0	ug/L	0.069
Carbon tetrachloride	ND	1.0	ug/L	0.12
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	ND	1.0	ug/L	0.25
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	96	(70 - 127)
Dibromofluoromethane	97	(71 - 128)
1,2-Dichloroethane-d4	96	(65 - 128)
4-Bromofluorobenzene	103	(69 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

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

B27XB7

GC/MS Volatiles

Lot-Sample #: F0L030502-001 **Work Order #:** MAT051AC **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: B27X13

GC/MS Volatiles

Lot-Sample #...: F0L030502-002 **Work Order #...:** MAT1C1AC **Matrix.....:** WATER
Date Sampled...: 12/01/10 **Date Received..:** 12/03/10
Prep Date.....: 12/07/10 **Analysis Date..:** 12/07/10
Prep Batch #...: 0348215
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	2.0
Acrolein	ND	10	ug/L	2.8
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	**0.74 J,B,T**	**2.0**	**ug/L**	**0.25**
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroprene	ND	1.0	ug/L	0.097
Dibromochloromethane	ND	1.0	ug/L	0.13
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.41
Chloroethane	ND	2.0	ug/L	0.099
Chloromethane	**0.68 J,B,T**	**2.0**	**ug/L**	**0.077**
Allyl chloride	ND	2.0	ug/L	0.11
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.21
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.29
Dichlorodifluoromethane	ND	2.0	ug/L	0.084
1,1-Dichloroethene	ND	1.0	ug/L	0.083
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.097
cis-1,3-Dichloropropene	ND T	1.0	ug/L	0.073
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.083
1,4-Dioxane	ND	20	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Ethyl methacrylate	ND	1.0	ug/L	0.11
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND	5.0	ug/L	0.22
Iodomethane	ND T	2.0	ug/L	0.092
Isobutanol	ND	80	ug/L	8.7
Methacrylonitrile	ND	5.0	ug/L	0.50
Methyl methacrylate	ND	1.0	ug/L	0.26
Styrene	ND	1.0	ug/L	0.074
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.090
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.098
1,2,3-Trichloropropane	ND	1.0	ug/L	0.15
Vinyl acetate	ND	2.0	ug/L	0.18
Vinyl chloride	ND	2.0	ug/L	0.084

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B27X13

GC/MS Volatiles

Lot-Sample #...: F0L030502-002 Work Order #...: MAT1C1AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.34
Methylene chloride	ND	1.0	ug/L	0.11
Carbon disulfide	ND	1.0	ug/L	0.051
1,1-Dichloroethane	ND	1.0	ug/L	0.068
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.083
1,1,1-Trichloroethane	ND	1.0	ug/L	0.069
Carbon tetrachloride	ND	1.0	ug/L	0.12
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	ND	1.0	ug/L	0.25
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	96	(70 - 127)
Dibromofluoromethane	99	(71 - 128)
1,2-Dichloroethane-d4	100	(65 - 128)
4-Bromofluorobenzene	101	(69 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

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

B27X13

GC/MS Volatiles

Lot-Sample #: F0L030502-002 **Work Order #:** MAT1C1AC **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: B27X14

GC/MS Volatiles

Lot-Sample #...: F0L030502-003 **Work Order #...:** MAT1G1AC **Matrix.....:** WATER
Date Sampled...: 12/01/10 **Date Received..:** 12/03/10
Prep Date.....: 12/07/10 **Analysis Date..:** 12/07/10
Prep Batch #...: 0348215
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	2.0
Acrolein	ND	10	ug/L	2.8
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	**0.61 J,B,T**	**2.0**	**ug/L**	**0.25**
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroprene	ND	1.0	ug/L	0.097
Dibromochloromethane	ND	1.0	ug/L	0.13
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.41
Chloroethane	ND	2.0	ug/L	0.099
Chloromethane	**0.58 J,B,T**	**2.0**	**ug/L**	**0.077**
Allyl chloride	ND	2.0	ug/L	0.11
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.21
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.29
Dichlorodifluoromethane	ND	2.0	ug/L	0.084
1,1-Dichloroethene	ND	1.0	ug/L	0.083
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.097
cis-1,3-Dichloropropene	ND T	1.0	ug/L	0.073
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.083
1,4-Dioxane	ND	20	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Ethyl methacrylate	ND	1.0	ug/L	0.11
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND	5.0	ug/L	0.22
Iodomethane	ND T	2.0	ug/L	0.092
Isobutanol	ND	80	ug/L	8.7
Methacrylonitrile	ND	5.0	ug/L	0.50
Methyl methacrylate	ND	1.0	ug/L	0.26
Styrene	ND	1.0	ug/L	0.074
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.090
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.098
1,2,3-Trichloropropane	ND	1.0	ug/L	0.15
Vinyl acetate	ND	2.0	ug/L	0.18
Vinyl chloride	ND	2.0	ug/L	0.084

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B27X14

GC/MS Volatiles

Lot-Sample #...: F0L030502-003 **Work Order #...:** MAT1G1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.34
Methylene chloride	ND	1.0	ug/L	0.11
Carbon disulfide	ND	1.0	ug/L	0.051
1,1-Dichloroethane	ND	1.0	ug/L	0.068
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.083
1,1,1-Trichloroethane	ND	1.0	ug/L	0.069
Carbon tetrachloride	ND	1.0	ug/L	0.12
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	ND	1.0	ug/L	0.25
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	94	(70 - 127)
Dibromofluoromethane	96	(71 - 128)
1,2-Dichloroethane-d4	101	(65 - 128)
4-Bromofluorobenzene	97	(69 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

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

B27X14

GC/MS Volatiles

Lot-Sample #: F0L030502-003 **Work Order #:** MAT1G1AC **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: B27X53

GC/MS Volatiles

Lot-Sample #...: F0L030502-004 **Work Order #...:** MAT1M1AC **Matrix.....:** WATER
Date Sampled...: 12/01/10 **Date Received..:** 12/03/10
Prep Date.....: 12/07/10 **Analysis Date..:** 12/07/10
Prep Batch #...: 0348215
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	2.0
Acrolein	ND	10	ug/L	2.8
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	**0.60 J,B,T**	**2.0**	**ug/L**	**0.25**
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroprene	ND	1.0	ug/L	0.097
Dibromochloromethane	ND	1.0	ug/L	0.13
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.41
Chloroethane	ND	2.0	ug/L	0.099
Chloromethane	**0.62 J,B,T**	**2.0**	**ug/L**	**0.077**
Allyl chloride	ND	2.0	ug/L	0.11
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.21
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.29
Dichlorodifluoromethane	ND	2.0	ug/L	0.084
1,1-Dichloroethene	ND	1.0	ug/L	0.083
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.097
cis-1,3-Dichloropropene	ND T	1.0	ug/L	0.073
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.083
1,4-Dioxane	ND	20	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Ethyl methacrylate	ND	1.0	ug/L	0.11
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND	5.0	ug/L	0.22
Iodomethane	ND T	2.0	ug/L	0.092
Isobutanol	ND	80	ug/L	8.7
Methacrylonitrile	ND	5.0	ug/L	0.50
Methyl methacrylate	ND	1.0	ug/L	0.26
Styrene	ND	1.0	ug/L	0.074
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.090
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.098
1,2,3-Trichloropropane	ND	1.0	ug/L	0.15
Vinyl acetate	ND	2.0	ug/L	0.18
Vinyl chloride	ND	2.0	ug/L	0.084

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B27X53

GC/MS Volatiles

Lot-Sample #...: F0L030502-004 **Work Order #...:** MAT1M1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.34
Methylene chloride	ND	1.0	ug/L	0.11
Carbon disulfide	ND	1.0	ug/L	0.051
1,1-Dichloroethane	ND	1.0	ug/L	0.068
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.083
1,1,1-Trichloroethane	ND	1.0	ug/L	0.069
Carbon tetrachloride	ND	1.0	ug/L	0.12
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	ND	1.0	ug/L	0.25
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	93	(70 - 127)
Dibromofluoromethane	98	(71 - 128)
1,2-Dichloroethane-d4	108	(65 - 128)
4-Bromofluorobenzene	95	(69 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

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

B27X53

GC/MS Volatiles

Lot-Sample #: F0L030502-004 **Work Order #:** MAT1M1AC **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: B27WX9

GC/MS Volatiles

Lot-Sample #...: F0L070516-001 **Work Order #...:** MA02E1AC **Matrix.....:** WATER
Date Sampled...: 12/05/10 **Date Received..:** 12/07/10
Prep Date.....: 12/08/10 **Analysis Date..:** 12/08/10
Prep Batch #...: 0354353
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	2.0
Acrolein	ND	10	ug/L	2.8
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	**0.60 J,B,T**	**2.0**	**ug/L**	**0.25**
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroprene	ND	1.0	ug/L	0.097
Dibromochloromethane	ND	1.0	ug/L	0.13
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.41
Chloroethane	ND T	2.0	ug/L	0.099
Chloromethane	**0.66 J,B**	**2.0**	**ug/L**	**0.077**
Allyl chloride	ND	2.0	ug/L	0.11
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.21
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.29
Dichlorodifluoromethane	ND	2.0	ug/L	0.084
1,1-Dichloroethene	ND	1.0	ug/L	0.083
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.097
cis-1,3-Dichloropropene	ND T	1.0	ug/L	0.073
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.083
1,4-Dioxane	ND	20	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Ethyl methacrylate	ND	1.0	ug/L	0.11
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND	5.0	ug/L	0.22
Iodomethane	**0.52 J,T**	**2.0**	**ug/L**	**0.092**
Isobutanol	ND	80	ug/L	8.7
Methacrylonitrile	ND	5.0	ug/L	0.50
Methyl methacrylate	ND	1.0	ug/L	0.26
Styrene	ND	1.0	ug/L	0.074
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.090
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.098
1,2,3-Trichloropropane	ND	1.0	ug/L	0.15
Vinyl acetate	ND	2.0	ug/L	0.18
Vinyl chloride	ND	2.0	ug/L	0.084

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B27WX9

GC/MS Volatiles

Lot-Sample #...: F0L070516-001 **Work Order #...:** MA02E1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.34
Methylene chloride	ND	1.0	ug/L	0.11
Carbon disulfide	**0.063 J**	**1.0**	**ug/L**	**0.051**
1,1-Dichloroethane	ND	1.0	ug/L	0.068
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	**0.12 J**	**1.0**	**ug/L**	**0.10**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND T	1.0	ug/L	0.083
1,1,1-Trichloroethane	ND	1.0	ug/L	0.069
Carbon tetrachloride	ND	1.0	ug/L	0.12
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	ND	1.0	ug/L	0.25
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND T	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(70 - 127)
Dibromofluoromethane	95	(71 - 128)
1,2-Dichloroethane-d4	93	(65 - 128)
4-Bromofluorobenzene	97	(69 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

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

B27WX9

GC/MS Volatiles

Lot-Sample #: F0L070516-001 **Work Order #:** MA02E1AC **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: B27X77

GC/MS Volatiles

Lot-Sample #...: F0L070516-002 **Work Order #...:** MA02K1AC **Matrix.....:** WATER
Date Sampled...: 12/05/10 **Date Received..:** 12/07/10
Prep Date.....: 12/08/10 **Analysis Date..:** 12/08/10
Prep Batch #...: 0354353
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Hexanone	ND	5.0	ug/L	0.22
Iodomethane	ND T	2.0	ug/L	0.092
Isobutanol	ND	80	ug/L	8.7
Methacrylonitrile	ND	5.0	ug/L	0.50
Methyl methacrylate	ND	1.0	ug/L	0.26
Styrene	ND	1.0	ug/L	0.074
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.090
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.098
1,2,3-Trichloropropane	ND	1.0	ug/L	0.15
Vinyl acetate	ND	2.0	ug/L	0.18
Acetonitrile	ND	5.0	ug/L	2.0
Acrolein	ND	10	ug/L	2.8
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	**0.51 J,B,T**	**2.0**	**ug/L**	**0.25**
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroprene	ND	1.0	ug/L	0.097
Dibromochloromethane	ND	1.0	ug/L	0.13
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.41
Chloroethane	ND T	2.0	ug/L	0.099
Chloromethane	**0.53 J,B**	**2.0**	**ug/L**	**0.077**
Allyl chloride	ND	2.0	ug/L	0.11
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.21
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.29
Dichlorodifluoromethane	ND	2.0	ug/L	0.084
1,1-Dichloroethene	ND	1.0	ug/L	0.083
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.097
cis-1,3-Dichloropropene	ND T	1.0	ug/L	0.073
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.083
1,4-Dioxane	ND	20	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Ethyl methacrylate	ND	1.0	ug/L	0.11
Trichlorofluoromethane	ND	1.0	ug/L	0.11
Vinyl chloride	ND	2.0	ug/L	0.084

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B27X77

GC/MS Volatiles

Lot-Sample #...: F0L070516-002 **Work Order #...:** MA02K1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.34
Methylene chloride	ND	1.0	ug/L	0.11
Carbon disulfide	ND	1.0	ug/L	0.051
1,1-Dichloroethane	ND	1.0	ug/L	0.068
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND T	1.0	ug/L	0.083
1,1,1-Trichloroethane	ND	1.0	ug/L	0.069
Carbon tetrachloride	ND	1.0	ug/L	0.12
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	ND	1.0	ug/L	0.25
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND T	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	95	(70 - 127)
Dibromofluoromethane	99	(71 - 128)
1,2-Dichloroethane-d4	102	(65 - 128)
4-Bromofluorobenzene	95	(69 - 124)

NOTE(S):

T Spike sample recovery is outside control limits.

J Estimated result. Result is less than RL.

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

CH2M Hill Plateau Remediation DOE RL

B27X77

GC/MS Volatiles

Lot-Sample #: F0L070516-002 **Work Order #:** MA02K1AC **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: B27X89

GC/MS Volatiles

Lot-Sample #...: F0L070516-003 **Work Order #...:** MA02M1AC **Matrix.....:** WATER
Date Sampled...: 12/05/10 **Date Received..:** 12/07/10
Prep Date.....: 12/08/10 **Analysis Date..:** 12/08/10
Prep Batch #...: 0354353
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	2.0
Acrolein	ND	10	ug/L	2.8
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	**0.50 J,B,T**	**2.0**	**ug/L**	**0.25**
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroprene	ND	1.0	ug/L	0.097
Dibromochloromethane	ND	1.0	ug/L	0.13
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.41
Chloroethane	ND T	2.0	ug/L	0.099
Chloromethane	**0.51 J,B**	**2.0**	**ug/L**	**0.077**
Allyl chloride	ND	2.0	ug/L	0.11
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.21
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.29
Dichlorodifluoromethane	ND	2.0	ug/L	0.084
1,1-Dichloroethene	ND	1.0	ug/L	0.083
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.097
cis-1,3-Dichloropropene	ND T	1.0	ug/L	0.073
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.083
1,4-Dioxane	ND	20	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Ethyl methacrylate	ND	1.0	ug/L	0.11
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND	5.0	ug/L	0.22
Iodomethane	ND T	2.0	ug/L	0.092
Isobutanol	ND	80	ug/L	8.7
Methacrylonitrile	ND	5.0	ug/L	0.50
Methyl methacrylate	ND	1.0	ug/L	0.26
Styrene	ND	1.0	ug/L	0.074
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.090
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.098
1,2,3-Trichloropropane	ND	1.0	ug/L	0.15
Vinyl acetate	ND	2.0	ug/L	0.18
Vinyl chloride	ND	2.0	ug/L	0.084

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B27X89

GC/MS Volatiles

Lot-Sample #...: F0L070516-003 Work Order #...: MA02M1AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.34
Methylene chloride	ND	1.0	ug/L	0.11
Carbon disulfide	ND	1.0	ug/L	0.051
1,1-Dichloroethane	ND	1.0	ug/L	0.068
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND T	1.0	ug/L	0.083
1,1,1-Trichloroethane	ND	1.0	ug/L	0.069
Carbon tetrachloride	ND	1.0	ug/L	0.12
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	ND	1.0	ug/L	0.25
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND T	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	93	(70 - 127)
Dibromofluoromethane	96	(71 - 128)
1,2-Dichloroethane-d4	99	(65 - 128)
4-Bromofluorobenzene	97	(69 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

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

B27X89

GC/MS Volatiles

Lot-Sample #: F0L070516-003 **Work Order #:** MA02M1AC **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: B27WX0

GC/MS Volatiles

Lot-Sample #...: F0L070516-004 **Work Order #...:** MA02P1AC **Matrix.....:** WATER
Date Sampled...: 12/05/10 **Date Received..:** 12/07/10
Prep Date.....: 12/08/10 **Analysis Date..:** 12/08/10
Prep Batch #...: 0354353
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	2.0
Acrolein	ND	10	ug/L	2.8
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	**0.87 J,B,T**	**2.0**	**ug/L**	**0.25**
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroprene	ND	1.0	ug/L	0.097
Dibromochloromethane	ND	1.0	ug/L	0.13
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.41
Chloroethane	ND T	2.0	ug/L	0.099
Chloromethane	**0.77 J,B**	**2.0**	**ug/L**	**0.077**
Allyl chloride	ND	2.0	ug/L	0.11
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.21
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.29
Dichlorodifluoromethane	ND	2.0	ug/L	0.084
1,1-Dichloroethene	ND	1.0	ug/L	0.083
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.097
cis-1,3-Dichloropropene	ND T	1.0	ug/L	0.073
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.083
1,4-Dioxane	ND	20	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Ethyl methacrylate	ND	1.0	ug/L	0.11
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND	5.0	ug/L	0.22
Iodomethane	**0.53 J,T**	**2.0**	**ug/L**	**0.092**
Isobutanol	ND	80	ug/L	8.7
Methacrylonitrile	ND	5.0	ug/L	0.50
Methyl methacrylate	ND	1.0	ug/L	0.26
Styrene	ND	1.0	ug/L	0.074
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.090
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.098
1,2,3-Trichloropropane	ND	1.0	ug/L	0.15
Vinyl acetate	ND	2.0	ug/L	0.18
Vinyl chloride	ND	2.0	ug/L	0.084

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B27WX0

GC/MS Volatiles

Lot-Sample #...: F0L070516-004 **Work Order #...:** MA02P1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.34
Methylene chloride	ND	1.0	ug/L	0.11
Carbon disulfide	**0.071 J**	**1.0**	**ug/L**	**0.051**
1,1-Dichloroethane	ND	1.0	ug/L	0.068
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	**2.5**	**1.0**	**ug/L**	**0.10**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND T	1.0	ug/L	0.083
1,1,1-Trichloroethane	ND	1.0	ug/L	0.069
Carbon tetrachloride	ND	1.0	ug/L	0.12
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	ND	1.0	ug/L	0.25
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND T	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	96	(70 - 127)
Dibromofluoromethane	96	(71 - 128)
1,2-Dichloroethane-d4	100	(65 - 128)
4-Bromofluorobenzene	92	(69 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

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

B27WX0

GC/MS Volatiles

Lot-Sample #: F0L070516-004 **Work Order #:** MA02P1AC **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: B27WW9

GC/MS Volatiles

Lot-Sample #...: F0L070516-005 **Work Order #...:** MA02R1AC **Matrix.....:** WATER
Date Sampled...: 12/05/10 **Date Received..:** 12/07/10
Prep Date.....: 12/08/10 **Analysis Date..:** 12/08/10
Prep Batch #...: 0354353
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	2.0
Acrolein	ND	10	ug/L	2.8
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	**0.62 J,B,T**	**2.0**	**ug/L**	**0.25**
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroprene	ND	1.0	ug/L	0.097
Dibromochloromethane	ND	1.0	ug/L	0.13
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.41
Chloroethane	ND T	2.0	ug/L	0.099
Chloromethane	**0.45 J,B**	**2.0**	**ug/L**	**0.077**
Allyl chloride	ND	2.0	ug/L	0.11
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.21
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.29
Dichlorodifluoromethane	ND	2.0	ug/L	0.084
1,1-Dichloroethene	ND	1.0	ug/L	0.083
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.097
cis-1,3-Dichloropropene	ND T	1.0	ug/L	0.073
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.083
1,4-Dioxane	ND	20	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Ethyl methacrylate	ND	1.0	ug/L	0.11
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND	5.0	ug/L	0.22
Iodomethane	ND T	2.0	ug/L	0.092
Isobutanol	ND	80	ug/L	8.7
Methacrylonitrile	ND	5.0	ug/L	0.50
Methyl methacrylate	ND	1.0	ug/L	0.26
Styrene	ND	1.0	ug/L	0.074
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.090
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.098
1,2,3-Trichloropropane	ND	1.0	ug/L	0.15
Vinyl acetate	ND	2.0	ug/L	0.18
Vinyl chloride	ND	2.0	ug/L	0.084

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B27WW9

GC/MS Volatiles

Lot-Sample #...: F0L070516-005 Work Order #...: MA02R1AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.34
Methylene chloride	ND	1.0	ug/L	0.11
Carbon disulfide	ND	1.0	ug/L	0.051
1,1-Dichloroethane	ND	1.0	ug/L	0.068
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	**0.13 J**	**1.0**	**ug/L**	**0.10**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND T	1.0	ug/L	0.083
1,1,1-Trichloroethane	ND	1.0	ug/L	0.069
Carbon tetrachloride	ND	1.0	ug/L	0.12
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	ND	1.0	ug/L	0.25
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND T	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	95	(70 - 127)
Dibromofluoromethane	97	(71 - 128)
1,2-Dichloroethane-d4	100	(65 - 128)
4-Bromofluorobenzene	96	(69 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

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

B27WW9

GC/MS Volatiles

Lot-Sample #: F0L070516-005 **Work Order #:** MA02R1AC **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: B27X65

GC/MS Volatiles

Lot-Sample #...: F0L070516-006 **Work Order #...:** MA02V1AC **Matrix.....:** WATER
Date Sampled...: 12/05/10 **Date Received..:** 12/07/10
Prep Date.....: 12/08/10 **Analysis Date..:** 12/08/10
Prep Batch #...: 0354353
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	2.0
Acrolein	ND	10	ug/L	2.8
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	**0.49 J,B,T**	**2.0**	**ug/L**	**0.25**
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroprene	ND	1.0	ug/L	0.097
Dibromochloromethane	ND	1.0	ug/L	0.13
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.41
Chloroethane	ND T	2.0	ug/L	0.099
Chloromethane	**0.55 J,B**	**2.0**	**ug/L**	**0.077**
Allyl chloride	ND	2.0	ug/L	0.11
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.21
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.29
Dichlorodifluoromethane	ND	2.0	ug/L	0.084
1,1-Dichloroethene	ND	1.0	ug/L	0.083
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.097
cis-1,3-Dichloropropene	ND T	1.0	ug/L	0.073
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.083
1,4-Dioxane	ND	20	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Ethyl methacrylate	ND	1.0	ug/L	0.11
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND	5.0	ug/L	0.22
Iodomethane	ND T	2.0	ug/L	0.092
Isobutanol	ND	80	ug/L	8.7
Methacrylonitrile	ND	5.0	ug/L	0.50
Methyl methacrylate	ND	1.0	ug/L	0.26
Styrene	ND	1.0	ug/L	0.074
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.090
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.098
1,2,3-Trichloropropane	ND	1.0	ug/L	0.15
Vinyl acetate	ND	2.0	ug/L	0.18
Vinyl chloride	ND	2.0	ug/L	0.084

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B27X65

GC/MS Volatiles

Lot-Sample #...: F0L070516-006 **Work Order #...:** MA02V1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.34
Methylene chloride	ND	1.0	ug/L	0.11
Carbon disulfide	ND	1.0	ug/L	0.051
1,1-Dichloroethane	ND	1.0	ug/L	0.068
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND T	1.0	ug/L	0.083
1,1,1-Trichloroethane	ND	1.0	ug/L	0.069
Carbon tetrachloride	ND	1.0	ug/L	0.12
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	ND	1.0	ug/L	0.25
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND T	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	95	(70 - 127)
Dibromofluoromethane	98	(71 - 128)
1,2-Dichloroethane-d4	100	(65 - 128)
4-Bromofluorobenzene	98	(69 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

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

B27X65

GC/MS Volatiles

Lot-Sample #: F0L070516-006 **Work Order #:** MA02V1AC **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: B27X59

GC/MS Volatiles

Lot-Sample #...: F0L070516-007 **Work Order #...:** MA0211AC **Matrix.....:** WATER
Date Sampled...: 12/05/10 **Date Received..:** 12/07/10
Prep Date.....: 12/08/10 **Analysis Date..:** 12/08/10
Prep Batch #...: 0354353
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	2.0
Acrolein	ND	10	ug/L	2.8
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	**0.47 J,B,T**	**2.0**	**ug/L**	**0.25**
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroprene	ND	1.0	ug/L	0.097
Dibromochloromethane	ND	1.0	ug/L	0.13
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.41
Chloroethane	ND T	2.0	ug/L	0.099
Chloromethane	ND	2.0	ug/L	0.077
Allyl chloride	ND	2.0	ug/L	0.11
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.21
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.29
Dichlorodifluoromethane	ND	2.0	ug/L	0.084
1,1-Dichloroethene	ND	1.0	ug/L	0.083
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.097
cis-1,3-Dichloropropene	ND T	1.0	ug/L	0.073
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.083
1,4-Dioxane	ND	20	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Ethyl methacrylate	ND	1.0	ug/L	0.11
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND	5.0	ug/L	0.22
Iodomethane	ND T	2.0	ug/L	0.092
Isobutanol	ND	80	ug/L	8.7
Methacrylonitrile	ND	5.0	ug/L	0.50
Methyl methacrylate	ND	1.0	ug/L	0.26
Styrene	ND	1.0	ug/L	0.074
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.090
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.098
1,2,3-Trichloropropane	ND	1.0	ug/L	0.15
Vinyl acetate	ND	2.0	ug/L	0.18
Vinyl chloride	ND	2.0	ug/L	0.084

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B27X59

GC/MS Volatiles

Lot-Sample #...: F0L070516-007 **Work Order #...:** MA0211AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.34
Methylene chloride	ND	1.0	ug/L	0.11
Carbon disulfide	ND	1.0	ug/L	0.051
1,1-Dichloroethane	ND	1.0	ug/L	0.068
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND T	1.0	ug/L	0.083
1,1,1-Trichloroethane	ND	1.0	ug/L	0.069
Carbon tetrachloride	ND	1.0	ug/L	0.12
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	ND	1.0	ug/L	0.25
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND T	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	96	(70 - 127)
Dibromofluoromethane	99	(71 - 128)
1,2-Dichloroethane-d4	108	(65 - 128)
4-Bromofluorobenzene	100	(69 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

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

B27X59

GC/MS Volatiles

Lot-Sample #: F0L070516-007 **Work Order #:** MA0211AC **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: B27WR4

GC/MS Volatiles

Lot-Sample #...: F0L070516-008 **Work Order #...:** MA0231AC **Matrix.....:** WATER
Date Sampled...: 12/05/10 **Date Received..:** 12/07/10
Prep Date.....: 12/08/10 **Analysis Date..:** 12/08/10
Prep Batch #...: 0354353
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	2.0
Acrolein	ND	10	ug/L	2.8
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	**0.56 J,B,T**	**2.0**	**ug/L**	**0.25**
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroprene	ND	1.0	ug/L	0.097
Dibromochloromethane	ND	1.0	ug/L	0.13
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.41
Chloroethane	ND T	2.0	ug/L	0.099
Chloromethane	**0.55 J,B**	**2.0**	**ug/L**	**0.077**
Allyl chloride	ND	2.0	ug/L	0.11
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.21
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.29
Dichlorodifluoromethane	ND	2.0	ug/L	0.084
1,1-Dichloroethene	ND	1.0	ug/L	0.083
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.097
cis-1,3-Dichloropropene	ND T	1.0	ug/L	0.073
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.083
1,4-Dioxane	ND	20	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Ethyl methacrylate	ND	1.0	ug/L	0.11
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND	5.0	ug/L	0.22
Iodomethane	ND T	2.0	ug/L	0.092
Isobutanol	ND	80	ug/L	8.7
Methacrylonitrile	ND	5.0	ug/L	0.50
Methyl methacrylate	ND	1.0	ug/L	0.26
Styrene	ND	1.0	ug/L	0.074
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.090
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.098
1,2,3-Trichloropropane	ND	1.0	ug/L	0.15
Vinyl acetate	ND	2.0	ug/L	0.18
Vinyl chloride	ND	2.0	ug/L	0.084

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B27WR4

GC/MS Volatiles

Lot-Sample #...: F0L070516-008 **Work Order #...:** MA0231AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.34
Methylene chloride	ND	1.0	ug/L	0.11
Carbon disulfide	ND	1.0	ug/L	0.051
1,1-Dichloroethane	ND	1.0	ug/L	0.068
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND T	1.0	ug/L	0.083
1,1,1-Trichloroethane	ND	1.0	ug/L	0.069
Carbon tetrachloride	ND	1.0	ug/L	0.12
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	ND	1.0	ug/L	0.25
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND T	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	93	(70 - 127)
Dibromofluoromethane	97	(71 - 128)
1,2-Dichloroethane-d4	108	(65 - 128)
4-Bromofluorobenzene	100	(69 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

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

B27WR4

GC/MS Volatiles

Lot-Sample #: F0L070516-008 **Work Order #:** MA0231AC **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: B27WP8

GC/MS Volatiles

Lot-Sample #...: F0L070516-009 **Work Order #...:** MA0251AC **Matrix.....:** WATER
Date Sampled...: 12/05/10 **Date Received..:** 12/07/10
Prep Date.....: 12/08/10 **Analysis Date..:** 12/08/10
Prep Batch #...: 0354353
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	2.0
Acrolein	ND	10	ug/L	2.8
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	**0.47 J,B,T**	**2.0**	**ug/L**	**0.25**
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroprene	ND	1.0	ug/L	0.097
Dibromochloromethane	ND	1.0	ug/L	0.13
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.41
Chloroethane	ND T	2.0	ug/L	0.099
Chloromethane	**0.51 J,B**	**2.0**	**ug/L**	**0.077**
Allyl chloride	ND	2.0	ug/L	0.11
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.21
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.29
Dichlorodifluoromethane	ND	2.0	ug/L	0.084
1,1-Dichloroethene	ND	1.0	ug/L	0.083
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.097
cis-1,3-Dichloropropene	ND T	1.0	ug/L	0.073
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.083
1,4-Dioxane	ND	20	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Ethyl methacrylate	ND	1.0	ug/L	0.11
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND	5.0	ug/L	0.22
Iodomethane	ND T	2.0	ug/L	0.092
Isobutanol	ND	80	ug/L	8.7
Methacrylonitrile	ND	5.0	ug/L	0.50
Methyl methacrylate	ND	1.0	ug/L	0.26
Styrene	ND	1.0	ug/L	0.074
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.090
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.098
1,2,3-Trichloropropane	ND	1.0	ug/L	0.15
Vinyl acetate	ND	2.0	ug/L	0.18
Vinyl chloride	ND	2.0	ug/L	0.084

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B27WP8

GC/MS Volatiles

Lot-Sample #...: F0L070516-009 **Work Order #...:** MA0251AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.34
Methylene chloride	ND	1.0	ug/L	0.11
Carbon disulfide	ND	1.0	ug/L	0.051
1,1-Dichloroethane	ND	1.0	ug/L	0.068
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND T	1.0	ug/L	0.083
1,1,1-Trichloroethane	ND	1.0	ug/L	0.069
Carbon tetrachloride	ND	1.0	ug/L	0.12
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	ND	1.0	ug/L	0.25
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND T	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	94	(70 - 127)
Dibromofluoromethane	101	(71 - 128)
1,2-Dichloroethane-d4	109	(65 - 128)
4-Bromofluorobenzene	101	(69 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

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

B27WP8

GC/MS Volatiles

Lot-Sample #: F0L070516-009 **Work Order #:** MA0251AC **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: B27WV3

GC/MS Volatiles

Lot-Sample #...: F0L070516-010 **Work Order #...:** MA0271AC **Matrix.....:** WATER
Date Sampled...: 12/05/10 **Date Received..:** 12/07/10
Prep Date.....: 12/08/10 **Analysis Date..:** 12/08/10
Prep Batch #...: 0354353
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	2.0
Acrolein	ND	10	ug/L	2.8
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	**0.48 J,B,T**	**2.0**	**ug/L**	**0.25**
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroprene	ND	1.0	ug/L	0.097
Dibromochloromethane	ND	1.0	ug/L	0.13
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.41
Chloroethane	ND T	2.0	ug/L	0.099
Chloromethane	**0.54 J,B**	**2.0**	**ug/L**	**0.077**
Allyl chloride	ND	2.0	ug/L	0.11
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.21
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.29
Dichlorodifluoromethane	ND	2.0	ug/L	0.084
1,1-Dichloroethene	ND	1.0	ug/L	0.083
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.097
cis-1,3-Dichloropropene	ND T	1.0	ug/L	0.073
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.083
1,4-Dioxane	ND	20	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Ethyl methacrylate	ND	1.0	ug/L	0.11
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND	5.0	ug/L	0.22
Iodomethane	ND T	2.0	ug/L	0.092
Isobutanol	ND	80	ug/L	8.7
Methacrylonitrile	ND	5.0	ug/L	0.50
Methyl methacrylate	ND	1.0	ug/L	0.26
Styrene	ND	1.0	ug/L	0.074
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.090
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.098
1,2,3-Trichloropropane	ND	1.0	ug/L	0.15
Vinyl acetate	ND	2.0	ug/L	0.18
Vinyl chloride	ND	2.0	ug/L	0.084

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B27WV3

GC/MS Volatiles

Lot-Sample #...: F0L070516-010 **Work Order #...:** MA0271AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.34
Methylene chloride	ND	1.0	ug/L	0.11
Carbon disulfide	ND	1.0	ug/L	0.051
1,1-Dichloroethane	ND	1.0	ug/L	0.068
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	**0.10 J**	**1.0**	**ug/L**	**0.10**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND T	1.0	ug/L	0.083
1,1,1-Trichloroethane	ND	1.0	ug/L	0.069
Carbon tetrachloride	ND	1.0	ug/L	0.12
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	ND	1.0	ug/L	0.25
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND T	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	95	(70 - 127)
Dibromofluoromethane	100	(71 - 128)
1,2-Dichloroethane-d4	114	(65 - 128)
4-Bromofluorobenzene	100	(69 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

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

B27WV3

GC/MS Volatiles

Lot-Sample #: F0L070516-010 **Work Order #:** MA0271AC **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: B27WN7

GC/MS Volatiles

Lot-Sample #...: F0L070516-011 **Work Order #...:** MA0291AC **Matrix.....:** WATER
Date Sampled...: 12/05/10 **Date Received..:** 12/07/10
Prep Date.....: 12/08/10 **Analysis Date..:** 12/08/10
Prep Batch #...: 0354353
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	2.0
Acrolein	ND	10	ug/L	2.8
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	**0.42 J,B,T**	**2.0**	**ug/L**	**0.25**
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroprene	ND	1.0	ug/L	0.097
Dibromochloromethane	ND	1.0	ug/L	0.13
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.41
Chloroethane	ND T	2.0	ug/L	0.099
Chloromethane	**0.49 J,B**	**2.0**	**ug/L**	**0.077**
Allyl chloride	ND	2.0	ug/L	0.11
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.21
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.29
Dichlorodifluoromethane	ND	2.0	ug/L	0.084
1,1-Dichloroethene	ND	1.0	ug/L	0.083
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.097
cis-1,3-Dichloropropene	ND T	1.0	ug/L	0.073
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.083
1,4-Dioxane	ND	20	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Ethyl methacrylate	ND	1.0	ug/L	0.11
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND	5.0	ug/L	0.22
Iodomethane	ND T	2.0	ug/L	0.092
Isobutanol	ND	80	ug/L	8.7
Methacrylonitrile	ND	5.0	ug/L	0.50
Methyl methacrylate	ND	1.0	ug/L	0.26
Styrene	ND	1.0	ug/L	0.074
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.090
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.098
1,2,3-Trichloropropane	ND	1.0	ug/L	0.15
Vinyl acetate	ND	2.0	ug/L	0.18
Vinyl chloride	ND	2.0	ug/L	0.084

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B27WN7

GC/MS Volatiles

Lot-Sample #...: F0L070516-011 Work Order #...: MA0291AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.34
Methylene chloride	ND	1.0	ug/L	0.11
Carbon disulfide	ND	1.0	ug/L	0.051
1,1-Dichloroethane	ND	1.0	ug/L	0.068
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND T	1.0	ug/L	0.083
1,1,1-Trichloroethane	ND	1.0	ug/L	0.069
Carbon tetrachloride	ND	1.0	ug/L	0.12
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	ND	1.0	ug/L	0.25
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND T	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	95	(70 - 127)
Dibromofluoromethane	97	(71 - 128)
1,2-Dichloroethane-d4	111	(65 - 128)
4-Bromofluorobenzene	105	(69 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

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

B27WN7

GC/MS Volatiles

Lot-Sample #: F0L070516-011 **Work Order #:** MA0291AC **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: B27WT1

GC/MS Volatiles

Lot-Sample #...: F0L070516-012 **Work Order #...:** MA03A1AC **Matrix.....:** WATER
Date Sampled...: 12/05/10 **Date Received..:** 12/07/10
Prep Date.....: 12/08/10 **Analysis Date..:** 12/08/10
Prep Batch #...: 0354353
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	2.0
Acrolein	ND	10	ug/L	2.8
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	**0.70 J,B,T**	**2.0**	**ug/L**	**0.25**
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroprene	ND	1.0	ug/L	0.097
Dibromochloromethane	ND	1.0	ug/L	0.13
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.41
Chloroethane	ND T	2.0	ug/L	0.099
Chloromethane	ND	2.0	ug/L	0.077
Allyl chloride	ND	2.0	ug/L	0.11
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.21
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.29
Dichlorodifluoromethane	ND	2.0	ug/L	0.084
1,1-Dichloroethene	ND	1.0	ug/L	0.083
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.097
cis-1,3-Dichloropropene	ND T	1.0	ug/L	0.073
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.083
1,4-Dioxane	ND	20	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Ethyl methacrylate	ND	1.0	ug/L	0.11
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND	5.0	ug/L	0.22
Iodomethane	ND T	2.0	ug/L	0.092
Isobutanol	ND	80	ug/L	8.7
Methacrylonitrile	ND	5.0	ug/L	0.50
Methyl methacrylate	ND	1.0	ug/L	0.26
Styrene	ND	1.0	ug/L	0.074
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.090
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.098
1,2,3-Trichloropropane	ND	1.0	ug/L	0.15
Vinyl acetate	ND	2.0	ug/L	0.18
Vinyl chloride	ND	2.0	ug/L	0.084

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B27WT1

GC/MS Volatiles

Lot-Sample #...: F0L070516-012 **Work Order #...:** MA03A1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.34
Methylene chloride	ND	1.0	ug/L	0.11
Carbon disulfide	**0.12 J**	**1.0**	**ug/L**	**0.051**
1,1-Dichloroethane	ND	1.0	ug/L	0.068
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	**0.14 J**	**1.0**	**ug/L**	**0.10**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND T	1.0	ug/L	0.083
1,1,1-Trichloroethane	ND	1.0	ug/L	0.069
Carbon tetrachloride	ND	1.0	ug/L	0.12
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	ND	1.0	ug/L	0.25
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND T	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	96	(70 - 127)
Dibromofluoromethane	95	(71 - 128)
1,2-Dichloroethane-d4	94	(65 - 128)
4-Bromofluorobenzene	96	(69 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

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

B27WT1

GC/MS Volatiles

Lot-Sample #: F0L070516-012 **Work Order #:** MA03A1AC **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: B27WW2

GC/MS Volatiles

Lot-Sample #...: F0L070516-013 **Work Order #...:** MA03E1AC **Matrix.....:** WATER
Date Sampled...: 12/05/10 **Date Received..:** 12/07/10
Prep Date.....: 12/08/10 **Analysis Date..:** 12/09/10
Prep Batch #...: 0354353
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	2.0
Acrolein	ND	10	ug/L	2.8
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	**0.47 J,B,T**	**2.0**	**ug/L**	**0.25**
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroprene	ND	1.0	ug/L	0.097
Dibromochloromethane	ND	1.0	ug/L	0.13
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.41
Chloroethane	ND T	2.0	ug/L	0.099
Chloromethane	**0.48 J,B**	**2.0**	**ug/L**	**0.077**
Allyl chloride	ND	2.0	ug/L	0.11
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.21
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.29
Dichlorodifluoromethane	ND	2.0	ug/L	0.084
1,1-Dichloroethene	ND	1.0	ug/L	0.083
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.097
cis-1,3-Dichloropropene	ND T	1.0	ug/L	0.073
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.083
1,4-Dioxane	ND	20	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Ethyl methacrylate	ND	1.0	ug/L	0.11
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND	5.0	ug/L	0.22
Iodomethane	ND T	2.0	ug/L	0.092
Isobutanol	ND	80	ug/L	8.7
Methacrylonitrile	ND	5.0	ug/L	0.50
Methyl methacrylate	ND	1.0	ug/L	0.26
Styrene	ND	1.0	ug/L	0.074
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.090
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.098
1,2,3-Trichloropropane	ND	1.0	ug/L	0.15
Vinyl acetate	ND	2.0	ug/L	0.18
Vinyl chloride	ND	2.0	ug/L	0.084

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B27WW2

GC/MS Volatiles

Lot-Sample #...: F0L070516-013 **Work Order #...:** MA03E1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.34
Methylene chloride	ND	1.0	ug/L	0.11
Carbon disulfide	ND	1.0	ug/L	0.051
1,1-Dichloroethane	ND	1.0	ug/L	0.068
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND T	1.0	ug/L	0.083
1,1,1-Trichloroethane	ND	1.0	ug/L	0.069
Carbon tetrachloride	ND	1.0	ug/L	0.12
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	ND	1.0	ug/L	0.25
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND T	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	93	(70 - 127)
Dibromofluoromethane	101	(71 - 128)
1,2-Dichloroethane-d4	113	(65 - 128)
4-Bromofluorobenzene	104	(69 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

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

B27WW2

GC/MS Volatiles

Lot-Sample #: F0L070516-013 **Work Order #:** MA03E1AC **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: B27WV2

GC/MS Volatiles

Lot-Sample #...: F0L070516-014 **Work Order #...:** MA03H1AC **Matrix.....:** WATER
Date Sampled...: 12/05/10 **Date Received..:** 12/07/10
Prep Date.....: 12/08/10 **Analysis Date..:** 12/09/10
Prep Batch #...: 0354353
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	2.0
Acrolein	ND	10	ug/L	2.8
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	**0.47 J,B,T**	**2.0**	**ug/L**	**0.25**
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroprene	ND	1.0	ug/L	0.097
Dibromochloromethane	ND	1.0	ug/L	0.13
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.41
Chloroethane	ND T	2.0	ug/L	0.099
Chloromethane	ND	2.0	ug/L	0.077
Allyl chloride	ND	2.0	ug/L	0.11
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.21
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.29
Dichlorodifluoromethane	ND	2.0	ug/L	0.084
1,1-Dichloroethene	ND	1.0	ug/L	0.083
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.097
cis-1,3-Dichloropropene	ND T	1.0	ug/L	0.073
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.083
1,4-Dioxane	ND	20	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Ethyl methacrylate	ND	1.0	ug/L	0.11
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND	5.0	ug/L	0.22
Iodomethane	ND T	2.0	ug/L	0.092
Isobutanol	ND	80	ug/L	8.7
Methacrylonitrile	ND	5.0	ug/L	0.50
Methyl methacrylate	ND	1.0	ug/L	0.26
Styrene	ND	1.0	ug/L	0.074
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.090
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.098
1,2,3-Trichloropropane	ND	1.0	ug/L	0.15
Vinyl acetate	ND	2.0	ug/L	0.18
Vinyl chloride	ND	2.0	ug/L	0.084

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B27WV2

GC/MS Volatiles

Lot-Sample #...: F0L070516-014 Work Order #...: MA03H1AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.34
Methylene chloride	ND	1.0	ug/L	0.11
Carbon disulfide	ND	1.0	ug/L	0.051
1,1-Dichloroethane	ND	1.0	ug/L	0.068
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND T	1.0	ug/L	0.083
1,1,1-Trichloroethane	ND	1.0	ug/L	0.069
Carbon tetrachloride	ND	1.0	ug/L	0.12
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	ND	1.0	ug/L	0.25
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND T	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	96	(70 - 127)
Dibromofluoromethane	100	(71 - 128)
1,2-Dichloroethane-d4	116	(65 - 128)
4-Bromofluorobenzene	104	(69 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

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

B27WV2

GC/MS Volatiles

Lot-Sample #: F0L070516-014 **Work Order #:** MA03H1AC **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: B27WT2

GC/MS Volatiles

Lot-Sample #...: F0L070516-015 **Work Order #...:** MA03L2AC **Matrix.....:** WATER
Date Sampled...: 12/05/10 **Date Received..:** 12/07/10
Prep Date.....: 12/13/10 **Analysis Date..:** 12/13/10
Prep Batch #...: 0354356
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Iodomethane	ND T	2.0	ug/L	0.092
Isobutanol	ND T	80	ug/L	8.7
Methacrylonitrile	ND	5.0	ug/L	0.50
Methyl methacrylate	ND	1.0	ug/L	0.26
Styrene	ND	1.0	ug/L	0.074
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.090
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.098
1,2,3-Trichloropropane	ND	1.0	ug/L	0.15
Vinyl acetate	ND	2.0	ug/L	0.18
Acetonitrile	ND	5.0	ug/L	2.0
Acrolein	ND	10	ug/L	2.8
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	**0.63 J,B,T**	**2.0**	**ug/L**	**0.25**
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroprene	ND	1.0	ug/L	0.097
Dibromochloromethane	ND	1.0	ug/L	0.13
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.41
Chloroethane	ND	2.0	ug/L	0.099
Chloromethane	**0.63 J,B**	**2.0**	**ug/L**	**0.077**
Allyl chloride	ND	2.0	ug/L	0.11
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.21
trans-1,4-Dichloro-2-butene	ND T	2.0	ug/L	0.29
Dichlorodifluoromethane	ND	2.0	ug/L	0.084
1,1-Dichloroethene	ND	1.0	ug/L	0.083
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.097
cis-1,3-Dichloropropene	ND T	1.0	ug/L	0.073
trans-1,3-Dichloropropene	ND T	1.0	ug/L	0.083
1,4-Dioxane	ND T	20	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Ethyl methacrylate	ND T	1.0	ug/L	0.11
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND T	5.0	ug/L	0.22
Vinyl chloride	ND	2.0	ug/L	0.084

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B27WT2

GC/MS Volatiles

Lot-Sample #...: F0L070516-015 **Work Order #...:** MA03L2AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND T	2.0	ug/L	0.34
Methylene chloride	**21 B**	**1.0**	**ug/L**	**0.11**
Carbon disulfide	ND	1.0	ug/L	0.051
1,1-Dichloroethane	ND	1.0	ug/L	0.068
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.083
1,1,1-Trichloroethane	ND	1.0	ug/L	0.069
Carbon tetrachloride	ND	1.0	ug/L	0.12
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	ND	1.0	ug/L	0.25
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND T	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	98	(70 - 127)
Dibromofluoromethane	91	(71 - 128)
1,2-Dichloroethane-d4	95	(65 - 128)
4-Bromofluorobenzene	104	(69 - 124)

NOTE(S):

T Spike sample recovery is outside control limits.

J Estimated result. Result is less than RL.

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

CH2M Hill Plateau Remediation DOE RL

B27WT2

GC/MS Volatiles

Lot-Sample #: F0L070516-015 **Work Order #:** MA03L2AC **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: B27WL9

GC/MS Volatiles

Lot-Sample #...: F0L090507-001 **Work Order #...:** MA4LV1AC **Matrix.....:** WATER
Date Sampled...: 12/07/10 **Date Received..:** 12/09/10
Prep Date.....: 12/13/10 **Analysis Date..:** 12/13/10
Prep Batch #...: 0354356
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	2.0
Acrolein	ND	10	ug/L	2.8
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	**0.49 J,B,T**	**2.0**	**ug/L**	**0.25**
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroprene	ND	1.0	ug/L	0.097
Dibromochloromethane	ND	1.0	ug/L	0.13
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.41
Chloroethane	ND	2.0	ug/L	0.099
Chloromethane	**0.49 J,B**	**2.0**	**ug/L**	**0.077**
Allyl chloride	ND	2.0	ug/L	0.11
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.21
trans-1,4-Dichloro-2-butene	ND T	2.0	ug/L	0.29
Dichlorodifluoromethane	ND	2.0	ug/L	0.084
1,1-Dichloroethene	ND	1.0	ug/L	0.083
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.097
cis-1,3-Dichloropropene	ND T	1.0	ug/L	0.073
trans-1,3-Dichloropropene	ND T	1.0	ug/L	0.083
1,4-Dioxane	ND T	20	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Ethyl methacrylate	ND T	1.0	ug/L	0.11
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND T	5.0	ug/L	0.22
Iodomethane	ND T	2.0	ug/L	0.092
Isobutanol	ND T	80	ug/L	8.7
Methacrylonitrile	ND	5.0	ug/L	0.50
Methyl methacrylate	ND	1.0	ug/L	0.26
Styrene	ND	1.0	ug/L	0.074
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.090
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.098
1,2,3-Trichloropropane	ND	1.0	ug/L	0.15
Vinyl acetate	ND	2.0	ug/L	0.18
Vinyl chloride	ND	2.0	ug/L	0.084

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B27WL9

GC/MS Volatiles

Lot-Sample #...: F0L090507-001 **Work Order #...:** MA4LV1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND T	2.0	ug/L	0.34
Methylene chloride	ND	1.0	ug/L	0.11
Carbon disulfide	ND	1.0	ug/L	0.051
1,1-Dichloroethane	ND	1.0	ug/L	0.068
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.083
1,1,1-Trichloroethane	ND	1.0	ug/L	0.069
Carbon tetrachloride	ND	1.0	ug/L	0.12
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	ND	1.0	ug/L	0.25
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND T	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	96	(70 - 127)
Dibromofluoromethane	87	(71 - 128)
1,2-Dichloroethane-d4	76	(65 - 128)
4-Bromofluorobenzene	96	(69 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

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

B27WL9

GC/MS Volatiles

Lot-Sample #: F0L090507-001 **Work Order #:** MA4LV1AC **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: B27WN1

GC/MS Volatiles

Lot-Sample #...: F0L090507-002 **Work Order #...:** MA4LX1AC **Matrix.....:** WATER
Date Sampled...: 12/07/10 **Date Received..:** 12/09/10
Prep Date.....: 12/13/10 **Analysis Date..:** 12/13/10
Prep Batch #...: 0354356
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	2.0
Acrolein	ND	10	ug/L	2.8
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	**0.47 J,B,T**	**2.0**	**ug/L**	**0.25**
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroprene	ND	1.0	ug/L	0.097
Dibromochloromethane	ND	1.0	ug/L	0.13
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.41
Chloroethane	ND	2.0	ug/L	0.099
Chloromethane	**0.46 J,B**	**2.0**	**ug/L**	**0.077**
Allyl chloride	ND	2.0	ug/L	0.11
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.21
trans-1,4-Dichloro-2-butene	ND T	2.0	ug/L	0.29
Dichlorodifluoromethane	ND	2.0	ug/L	0.084
1,1-Dichloroethene	ND	1.0	ug/L	0.083
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.097
cis-1,3-Dichloropropene	ND T	1.0	ug/L	0.073
trans-1,3-Dichloropropene	ND T	1.0	ug/L	0.083
1,4-Dioxane	ND T	20	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Ethyl methacrylate	ND T	1.0	ug/L	0.11
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND T	5.0	ug/L	0.22
Iodomethane	ND T	2.0	ug/L	0.092
Isobutanol	ND T	80	ug/L	8.7
Methacrylonitrile	ND	5.0	ug/L	0.50
Methyl methacrylate	ND	1.0	ug/L	0.26
Styrene	ND	1.0	ug/L	0.074
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.090
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.098
1,2,3-Trichloropropane	ND	1.0	ug/L	0.15
Vinyl acetate	ND	2.0	ug/L	0.18
Vinyl chloride	ND	2.0	ug/L	0.084

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B27WN1

GC/MS Volatiles

Lot-Sample #...: F0L090507-002 **Work Order #...:** MA4LX1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND T	2.0	ug/L	0.34
Methylene chloride	ND	1.0	ug/L	0.11
Carbon disulfide	ND	1.0	ug/L	0.051
1,1-Dichloroethane	ND	1.0	ug/L	0.068
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.083
1,1,1-Trichloroethane	ND	1.0	ug/L	0.069
Carbon tetrachloride	ND	1.0	ug/L	0.12
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	ND	1.0	ug/L	0.25
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND T	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	98	(70 - 127)
Dibromofluoromethane	88	(71 - 128)
1,2-Dichloroethane-d4	78	(65 - 128)
4-Bromofluorobenzene	94	(69 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

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

B27WN1

GC/MS Volatiles

Lot-Sample #: F0L090507-002 **Work Order #:** MA4LX1AC **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: B27WY6

GC/MS Volatiles

Lot-Sample #...: F0L090507-003 **Work Order #...:** MA4L01AC **Matrix.....:** WATER
Date Sampled...: 12/07/10 **Date Received..:** 12/09/10
Prep Date.....: 12/13/10 **Analysis Date..:** 12/13/10
Prep Batch #...: 0354356
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	2.0
Acrolein	ND	10	ug/L	2.8
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	**0.36 J,B,T**	**2.0**	**ug/L**	**0.25**
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroprene	ND	1.0	ug/L	0.097
Dibromochloromethane	ND	1.0	ug/L	0.13
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.41
Chloroethane	ND	2.0	ug/L	0.099
Chloromethane	**0.45 J,B**	**2.0**	**ug/L**	**0.077**
Allyl chloride	ND	2.0	ug/L	0.11
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.21
trans-1,4-Dichloro-2-butene	ND T	2.0	ug/L	0.29
Dichlorodifluoromethane	ND	2.0	ug/L	0.084
1,1-Dichloroethene	ND	1.0	ug/L	0.083
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.097
cis-1,3-Dichloropropene	ND T	1.0	ug/L	0.073
trans-1,3-Dichloropropene	ND T	1.0	ug/L	0.083
1,4-Dioxane	ND T	20	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Ethyl methacrylate	ND T	1.0	ug/L	0.11
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND T	5.0	ug/L	0.22
Iodomethane	ND T	2.0	ug/L	0.092
Isobutanol	ND T	80	ug/L	8.7
Methacrylonitrile	ND	5.0	ug/L	0.50
Methyl methacrylate	ND	1.0	ug/L	0.26
Styrene	ND	1.0	ug/L	0.074
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.090
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.098
1,2,3-Trichloropropane	ND	1.0	ug/L	0.15
Vinyl acetate	ND	2.0	ug/L	0.18
Vinyl chloride	ND	2.0	ug/L	0.084

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B27WY6

GC/MS Volatiles

Lot-Sample #...: F0L090507-003 Work Order #...: MA4L01AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND T	2.0	ug/L	0.34
Methylene chloride	ND	1.0	ug/L	0.11
Carbon disulfide	ND	1.0	ug/L	0.051
1,1-Dichloroethane	ND	1.0	ug/L	0.068
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.083
1,1,1-Trichloroethane	ND	1.0	ug/L	0.069
Carbon tetrachloride	ND	1.0	ug/L	0.12
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	ND	1.0	ug/L	0.25
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND T	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	95	(70 - 127)
Dibromofluoromethane	86	(71 - 128)
1,2-Dichloroethane-d4	76	(65 - 128)
4-Bromofluorobenzene	98	(69 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

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

B27WY6

GC/MS Volatiles

Lot-Sample #: F0L090507-003 **Work Order #:** MA4L01AC **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: B27WY7

GC/MS Volatiles

Lot-Sample #...: F0L090507-004 **Work Order #...:** MA4L31AC **Matrix.....:** WATER
Date Sampled...: 12/07/10 **Date Received..:** 12/09/10
Prep Date.....: 12/13/10 **Analysis Date..:** 12/13/10
Prep Batch #...: 0354356
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	2.0
Acrolein	ND	10	ug/L	2.8
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	**0.47 J,B,T**	**2.0**	**ug/L**	**0.25**
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroprene	ND	1.0	ug/L	0.097
Dibromochloromethane	ND	1.0	ug/L	0.13
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.41
Chloroethane	ND	2.0	ug/L	0.099
Chloromethane	**0.44 J,B**	**2.0**	**ug/L**	**0.077**
Allyl chloride	ND	2.0	ug/L	0.11
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.21
trans-1,4-Dichloro-2-butene	ND T	2.0	ug/L	0.29
Dichlorodifluoromethane	ND	2.0	ug/L	0.084
1,1-Dichloroethene	ND	1.0	ug/L	0.083
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.097
cis-1,3-Dichloropropene	ND T	1.0	ug/L	0.073
trans-1,3-Dichloropropene	ND T	1.0	ug/L	0.083
1,4-Dioxane	ND T	20	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Ethyl methacrylate	ND T	1.0	ug/L	0.11
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND T	5.0	ug/L	0.22
Iodomethane	ND T	2.0	ug/L	0.092
Isobutanol	ND T	80	ug/L	8.7
Methacrylonitrile	ND	5.0	ug/L	0.50
Methyl methacrylate	ND	1.0	ug/L	0.26
Styrene	ND	1.0	ug/L	0.074
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.090
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.098
1,2,3-Trichloropropane	ND	1.0	ug/L	0.15
Vinyl acetate	ND	2.0	ug/L	0.18
Vinyl chloride	ND	2.0	ug/L	0.084

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B27WY7

GC/MS Volatiles

Lot-Sample #...: F0L090507-004 Work Order #...: MA4L31AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND T	2.0	ug/L	0.34
Methylene chloride	**0.42 J,B**	**1.0**	**ug/L**	**0.11**
Carbon disulfide	ND	1.0	ug/L	0.051
1,1-Dichloroethane	ND	1.0	ug/L	0.068
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.083
1,1,1-Trichloroethane	ND	1.0	ug/L	0.069
Carbon tetrachloride	ND	1.0	ug/L	0.12
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	ND	1.0	ug/L	0.25
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND T	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	94	(70 - 127)
Dibromofluoromethane	88	(71 - 128)
1,2-Dichloroethane-d4	78	(65 - 128)
4-Bromofluorobenzene	98	(69 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

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

B27WY7

GC/MS Volatiles

Lot-Sample #: F0L090507-004 **Work Order #:** MA4L31AC **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: B27XF1

GC/MS Volatiles

Lot-Sample #...: F0L090507-005 **Work Order #...:** MA4L51AC **Matrix.....:** WATER
Date Sampled...: 12/07/10 **Date Received..:** 12/09/10
Prep Date.....: 12/13/10 **Analysis Date..:** 12/13/10
Prep Batch #...: 0354356
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	2.0
Acrolein	ND	10	ug/L	2.8
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	**0.44 J,B,T**	**2.0**	**ug/L**	**0.25**
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroprene	ND	1.0	ug/L	0.097
Dibromochloromethane	ND	1.0	ug/L	0.13
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.41
Chloroethane	ND	2.0	ug/L	0.099
Chloromethane	**0.48 J,B**	**2.0**	**ug/L**	**0.077**
Allyl chloride	ND	2.0	ug/L	0.11
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.21
trans-1,4-Dichloro-2-butene	ND T	2.0	ug/L	0.29
Dichlorodifluoromethane	ND	2.0	ug/L	0.084
1,1-Dichloroethene	ND	1.0	ug/L	0.083
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.097
cis-1,3-Dichloropropene	ND T	1.0	ug/L	0.073
trans-1,3-Dichloropropene	ND T	1.0	ug/L	0.083
1,4-Dioxane	ND T	20	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Ethyl methacrylate	ND T	1.0	ug/L	0.11
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND T	5.0	ug/L	0.22
Iodomethane	ND T	2.0	ug/L	0.092
Isobutanol	ND T	80	ug/L	8.7
Methacrylonitrile	ND	5.0	ug/L	0.50
Methyl methacrylate	ND	1.0	ug/L	0.26
Styrene	ND	1.0	ug/L	0.074
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.090
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.098
1,2,3-Trichloropropane	ND	1.0	ug/L	0.15
Vinyl acetate	ND	2.0	ug/L	0.18
Vinyl chloride	ND	2.0	ug/L	0.084

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B27XF1

GC/MS Volatiles

Lot-Sample #...: F0L090507-005 Work Order #...: MA4L51AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND T	2.0	ug/L	0.34
Methylene chloride	ND	1.0	ug/L	0.11
Carbon disulfide	ND	1.0	ug/L	0.051
1,1-Dichloroethane	ND	1.0	ug/L	0.068
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.083
1,1,1-Trichloroethane	ND	1.0	ug/L	0.069
Carbon tetrachloride	ND	1.0	ug/L	0.12
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	ND	1.0	ug/L	0.25
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND T	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	95	(70 - 127)
Dibromofluoromethane	90	(71 - 128)
1,2-Dichloroethane-d4	79	(65 - 128)
4-Bromofluorobenzene	98	(69 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

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

B27XF1

GC/MS Volatiles

Lot-Sample #: F0L090507-005 **Work Order #:** MA4L51AC **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: B27XC9

GC/MS Volatiles

Lot-Sample #...: F0L100471-001 **Work Order #...:** MA6EN1AC **Matrix.....:** WATER
Date Sampled...: 12/09/10 **Date Received..:** 12/10/10
Prep Date.....: 12/15/10 **Analysis Date..:** 12/15/10
Prep Batch #...: 0356204
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	2.0
Acrolein	ND	10	ug/L	2.8
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	**0.53 J,B,T**	**2.0**	**ug/L**	**0.25**
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroprene	ND	1.0	ug/L	0.097
Dibromochloromethane	ND	1.0	ug/L	0.13
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.41
Chloroethane	ND T	2.0	ug/L	0.099
Chloromethane	**0.58 J,B**	**2.0**	**ug/L**	**0.077**
Allyl chloride	ND	2.0	ug/L	0.11
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.21
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.29
Dichlorodifluoromethane	ND	2.0	ug/L	0.084
1,1-Dichloroethene	**0.14 J**	**1.0**	**ug/L**	**0.083**
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.097
cis-1,3-Dichloropropene	ND T	1.0	ug/L	0.073
trans-1,3-Dichloropropene	ND T	1.0	ug/L	0.083
1,4-Dioxane	ND	20	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Ethyl methacrylate	ND	1.0	ug/L	0.11
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND	5.0	ug/L	0.22
Iodomethane	ND T	2.0	ug/L	0.092
Isobutanol	ND	80	ug/L	8.7
Methacrylonitrile	ND	5.0	ug/L	0.50
Methyl methacrylate	ND	1.0	ug/L	0.26
Styrene	ND	1.0	ug/L	0.074
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.090
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.098
1,2,3-Trichloropropane	ND	1.0	ug/L	0.15
Vinyl acetate	ND	2.0	ug/L	0.18
Vinyl chloride	ND	2.0	ug/L	0.084

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B27XC9

GC/MS Volatiles

Lot-Sample #...: F0L100471-001 **Work Order #...:** MA6EN1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.34
Methylene chloride	ND	1.0	ug/L	0.11
Carbon disulfide	ND	1.0	ug/L	0.051
1,1-Dichloroethane	**0.25 J**	**1.0**	**ug/L**	**0.068**
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.083
1,1,1-Trichloroethane	**0.21 J**	**1.0**	**ug/L**	**0.069**
Carbon tetrachloride	ND	1.0	ug/L	0.12
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	ND	1.0	ug/L	0.25
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND T	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	94	(70 - 127)
Dibromofluoromethane	95	(71 - 128)
1,2-Dichloroethane-d4	99	(65 - 128)
4-Bromofluorobenzene	102	(69 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

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

B27XC9

GC/MS Volatiles

Lot-Sample #: F0L100471-001 **Work Order #:** MA6EN1AC **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 #...: SL1009 **Work Order #...:** MA0D61AA **Matrix.....:** WATER
MB Lot-Sample #: F0L070000-130

Prep Date.....: 12/06/10
Analysis Date..: 12/06/10 **Prep Batch #...:** 0341130
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	**0.82 J**	**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	**0.70 J**	**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	**0.77 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	**0.19 J**	**1.0**	**ug/L**	**SW846 8260B**

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL1009 **Work Order #...:** MA0D61AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Carbon disulfide	**0.082 J**	**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	**0.88 J**	**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	96	(70 - 127)
Dibromofluoromethane	96	(71 - 128)
1,2-Dichloroethane-d4	91	(65 - 128)
4-Bromofluorobenzene	97	(69 - 124)

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 #: F0L070000-130 B **Work Order #:** MA0D61AA **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 #...: SL1009 **Work Order #...:** MCAR71AA **Matrix.....:** WATER
MB Lot-Sample #: F0L140000-215

Prep Date.....: 12/07/10
Analysis Date..: 12/07/10 **Prep Batch #...:** 0348215
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	**0.81 J**	**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	**0.74 J**	**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	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	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL1009 **Work Order #...:** MCAR71AA **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	**0.43 J**	**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	97	(70 - 127)
Dibromofluoromethane	98	(71 - 128)
1,2-Dichloroethane-d4	95	(65 - 128)
4-Bromofluorobenzene	96	(69 - 124)

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 #: F0L140000-215 B **Work Order #:** MCAR71AA **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 #...: SL1009 **Work Order #...:** MCLDF1AA **Matrix.....:** WATER
MB Lot-Sample #: F0L200000-353

Prep Date.....: 12/08/10
Analysis Date..: 12/08/10 **Prep Batch #...:** 0354353
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	**0.85 J**	**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	**0.82 J**	**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	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	**0.20 J**	**1.0**	**ug/L**	**SW846 8260B**

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL1009 **Work Order #...:** MCLDF1AA **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	**0.41 J**	**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	94	(70 - 127)
Dibromofluoromethane	95	(71 - 128)
1,2-Dichloroethane-d4	100	(65 - 128)
4-Bromofluorobenzene	94	(69 - 124)

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 #: F0L200000-353 B **Work Order #:** MCLDF1AA **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 #...: SL1009 **Work Order #...:** MCL4C1AA **Matrix.....:** WATER
MB Lot-Sample #: F0L200000-356

Prep Date.....: 12/13/10
Analysis Date..: 12/13/10 **Prep Batch #...:** 0354356
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	**0.83 J**	**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	**0.78 J**	**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	**0.47 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	**0.39 J**	**1.0**	**ug/L**	**SW846 8260B**

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL1009 **Work Order #...:** MCL4C1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Carbon disulfide	**0.073 J**	**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	**0.30 J**	**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	97	(70 - 127)
Dibromofluoromethane	92	(71 - 128)
1,2-Dichloroethane-d4	93	(65 - 128)
4-Bromofluorobenzene	104	(69 - 124)

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 #: F0L200000-356 B **Work Order #:** MCL4C1AA **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 #...: SL1009 **Work Order #...:** MCQA81AA **Matrix.....:** WATER
MB Lot-Sample #: F0L220000-204

Prep Date.....: 12/15/10
Analysis Date..: 12/15/10 **Prep Batch #...:** 0356204
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	20	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	**0.67 J**	**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	**0.64 J**	**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	**0.24 J**	**1.0**	**ug/L**	**SW846 8260B**

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL1009 **Work Order #...:** MCQA81AA **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	(70 - 127)
Dibromofluoromethane	94	(71 - 128)
1,2-Dichloroethane-d4	104	(65 - 128)
4-Bromofluorobenzene	104	(69 - 124)

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 #: F0L220000-204 B **Work Order #:** MCQA81AA **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 #...: SL1009 Work Order #...: MA0D61AC Matrix.....: WATER
LCS Lot-Sample#: F0L070000-130
Prep Date.....: 12/06/10 Analysis Date..: 12/06/10
Prep Batch #...: 0341130
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
cis-1,3-Dichloropropene	10.0	12.2	ug/L	122	SW846 8260B
Dibromochloromethane	10.0	10.7	ug/L	107	SW846 8260B
Chloromethane	10.0	14.2	ug/L	142	SW846 8260B
Bromomethane	10.0	14.6	ug/L	146	SW846 8260B
Chloroethane	10.0	12.4	ug/L	124	SW846 8260B
1,1-Dichloroethene	10.0	9.66	ug/L	97	SW846 8260B
1,2-Dichloroethene (total)	20.0	19.7	ug/L	98	SW846 8260B
1,2-Dichloropropane	10.0	10.4	ug/L	104	SW846 8260B
Bromodichloromethane	10.0	10.4	ug/L	104	SW846 8260B
trans-1,3-Dichloropropene	10.0	12.6	ug/L	126	SW846 8260B
2-Hexanone	10.0	11.8	ug/L	118	SW846 8260B
Chlorobenzene	10.0	9.86	ug/L	99	SW846 8260B
Bromoform	10.0	10.2	ug/L	102	SW846 8260B
Ethylbenzene	10.0	10.3	ug/L	103	SW846 8260B
Styrene	10.0	10.5	ug/L	105	SW846 8260B
1,1,2,2-Tetrachloroethane	10.0	9.95	ug/L	100	SW846 8260B
Allyl chloride	10.0	11.3	ug/L	113	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	10.0	10.2	ug/L	102	SW846 8260B
1,2-Dibromoethane	10.0	9.84	ug/L	98	SW846 8260B
trans-1,4-Dichloro-2-butene	10.0	13.5	ug/L	135	SW846 8260B
Dichlorodifluoromethane (Freon 12)	10.0	11.5	ug/L	115	SW846 8260B
Ethyl methacrylate	10.0	12.0	ug/L	120	SW846 8260B
Methyl methacrylate	10.0	9.20	ug/L	92	SW846 8260B
1,1,1,2-Tetrachloroethane	10.0	10.1	ug/L	101	SW846 8260B
Trichlorofluoromethane	10.0	9.85	ug/L	99	SW846 8260B
Acetonitrile	50.0	55.9	ug/L	112	SW846 8260B
Iodomethane	10.0	14.0	ug/L	140	SW846 8260B
Vinyl acetate	10.0	12.7	ug/L	127	SW846 8260B
Acrolein	50.0	54.8	ug/L	110	SW846 8260B
Isobutanol	200	284	ug/L	142	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL1009 **Work Order #...:** MA0D61AC **Matrix.....:** WATER
LCS Lot-Sample#: F0L070000-130

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Methacrylonitrile	**50.0**	**56.7**	**ug/L**	**113**	**SW846 8260B**
1,4-Dioxane	**200**	**220**	**ug/L**	**110**	**SW846 8260B**
Chloroprene	**10.0**	**10.6**	**ug/L**	**106**	**SW846 8260B**
Vinyl chloride	**10.0**	**10.7**	**ug/L**	**107**	**SW846 8260B**
Acetone	**10.0**	**12.7**	**ug/L**	**127**	**SW846 8260B**
Methylene chloride	**10.0**	**9.40**	**ug/L**	**94**	**SW846 8260B**
Carbon disulfide	**10.0**	**12.1**	**ug/L**	**121**	**SW846 8260B**
1,1-Dichloroethane	**10.0**	**10.2**	**ug/L**	**102**	**SW846 8260B**
2-Butanone	**10.0**	**9.74**	**ug/L**	**97**	**SW846 8260B**
Chloroform	**10.0**	**10.0**	**ug/L**	**100**	**SW846 8260B**
cis-1,2-Dichloroethene	**10.0**	**9.80**	**ug/L**	**98**	**SW846 8260B**
Propionitrile	**50.0**	**56.2**	**ug/L**	**112**	**SW846 8260B**
trans-1,2-Dichloroethene	**10.0**	**9.89**	**ug/L**	**99**	**SW846 8260B**
1,1,1-Trichloroethane	**10.0**	**10.1**	**ug/L**	**101**	**SW846 8260B**
Carbon tetrachloride	**10.0**	**10.1**	**ug/L**	**101**	**SW846 8260B**
1,2-Dichloroethane	**10.0**	**10.2**	**ug/L**	**102**	**SW846 8260B**
Benzene	**10.0**	**9.86**	**ug/L**	**99**	**SW846 8260B**
Trichloroethene	**10.0**	**10.8**	**ug/L**	**108**	**SW846 8260B**
4-Methyl-2-pentanone	**10.0**	**10.3**	**ug/L**	**103**	**SW846 8260B**
1,1,2-Trichloroethane	**10.0**	**10.1**	**ug/L**	**101**	**SW846 8260B**
Tetrachloroethene	**10.0**	**9.57**	**ug/L**	**96**	**SW846 8260B**
Tetrahydrofuran	**50.0**	**57.5**	**ug/L**	**115**	**SW846 8260B**
1,4-Dichlorobenzene	**10.0**	**9.40**	**ug/L**	**94**	**SW846 8260B**
1-Butanol	**100**	**128**	**ug/L**	**128**	**SW846 8260B**
Toluene	**10.0**	**9.81**	**ug/L**	**98**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(84 - 117)
Dibromofluoromethane	101	(84 - 118)
1,2-Dichloroethane-d4	100	(73 - 122)
4-Bromofluorobenzene	101	(81 - 115)

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 #...: SL1009 Work Order #...: MCAR71AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F0L140000-215 MCAR71AD-LCSD
Prep Date.....: 12/07/10 Analysis Date..: 12/07/10
Prep Batch #...: 0348215
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
cis-1,3-Dichloropropene	10.0	11.2	ug/L	112		SW846 8260B
	10.0	11.4	ug/L	114	1.7	SW846 8260B
Dibromochloromethane	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.3	ug/L	103	1.4	SW846 8260B
Chloromethane	10.0	14.4	ug/L	144		SW846 8260B
	10.0	13.7	ug/L	137	4.8	SW846 8260B
Bromomethane	10.0	14.5	ug/L	145		SW846 8260B
	10.0	14.6	ug/L	146	0.62	SW846 8260B
Chloroethane	10.0	11.4	ug/L	114		SW846 8260B
	10.0	10.8	ug/L	108	5.0	SW846 8260B
1,1-Dichloroethene	10.0	9.85	ug/L	99		SW846 8260B
	10.0	9.94	ug/L	99	0.86	SW846 8260B
1,2-Dichloroethene (total)	20.0	19.8	ug/L	99		SW846 8260B
	20.0	20.4	ug/L	102	3.0	SW846 8260B
1,2-Dichloropropane	10.0	10.0	ug/L	100		SW846 8260B
	10.0	10.3	ug/L	103	2.3	SW846 8260B
Bromodichloromethane	10.0	10.1	ug/L	101		SW846 8260B
	10.0	10.2	ug/L	102	0.19	SW846 8260B
trans-1,3-Dichloropropene	10.0	12.2	ug/L	122		SW846 8260B
	10.0	11.8	ug/L	118	3.5	SW846 8260B
2-Hexanone	10.0	10.3	ug/L	103		SW846 8260B
	10.0	10.5	ug/L	105	1.6	SW846 8260B
Chlorobenzene	10.0	10.1	ug/L	101		SW846 8260B
	10.0	9.99	ug/L	100	1.2	SW846 8260B
Bromoform	10.0	9.92	ug/L	99		SW846 8260B
	10.0	9.93	ug/L	99	0.11	SW846 8260B
Ethylbenzene	10.0	10.6	ug/L	106		SW846 8260B
	10.0	10.4	ug/L	104	2.0	SW846 8260B
Styrene	10.0	10.7	ug/L	107		SW846 8260B
	10.0	10.6	ug/L	106	0.93	SW846 8260B
1,1,2,2-Tetrachloroethane	10.0	9.68	ug/L	97		SW846 8260B
	10.0	10.1	ug/L	101	4.4	SW846 8260B
Allyl chloride	10.0	10.9	ug/L	109		SW846 8260B
	10.0	11.3	ug/L	113	3.0	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	10.0	9.82	ug/L	98		SW846 8260B
	10.0	9.48	ug/L	95	3.5	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL1009 Work Order #...: MCAR71AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F0L140000-215 MCAR71AD-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	10.3	ug/L	103	1.6	SW846 8260B
trans-1,4-Dichloro-2-butene	10.0	11.2	ug/L	112		SW846 8260B
	10.0	11.8	ug/L	118	5.8	SW846 8260B
Dichlorodifluoromethane (Freon 12)	10.0	11.4	ug/L	114		SW846 8260B
	10.0	10.4	ug/L	104	8.8	SW846 8260B
Ethyl methacrylate	10.0	11.3	ug/L	113		SW846 8260B
	10.0	11.1	ug/L	111	1.9	SW846 8260B
Methyl methacrylate	10.0	8.82	ug/L	88		SW846 8260B
	10.0	8.89	ug/L	89	0.74	SW846 8260B
1,1,1,2-Tetrachloroethane	10.0	9.89	ug/L	99		SW846 8260B
	10.0	9.80	ug/L	98	0.92	SW846 8260B
Trichlorofluoromethane	10.0	9.76	ug/L	98		SW846 8260B
	10.0	9.58	ug/L	96	1.9	SW846 8260B
Acetonitrile	50.0	52.9	ug/L	106		SW846 8260B
	50.0	49.8	ug/L	100	6.0	SW846 8260B
Iodomethane	10.0	15.2	ug/L	152		SW846 8260B
	10.0	14.8	ug/L	148	2.7	SW846 8260B
Vinyl acetate	10.0	11.8	ug/L	118		SW846 8260B
	10.0	11.4	ug/L	114	3.4	SW846 8260B
Acrolein	50.0	50.8	ug/L	102		SW846 8260B
	50.0	31.8	ug/L	64	46	SW846 8260B
Isobutanol	200	241	ug/L	121		SW846 8260B
	200	229	ug/L	114	5.2	SW846 8260B
Methacrylonitrile	50.0	53.1	ug/L	106		SW846 8260B
	50.0	54.8	ug/L	110	3.3	SW846 8260B
1,4-Dioxane	200	214	ug/L	107		SW846 8260B
	200	219	ug/L	110	2.4	SW846 8260B
Chloroprene	10.0	10.7	ug/L	107		SW846 8260B
	10.0	10.6	ug/L	106	0.84	SW846 8260B
Vinyl chloride	10.0	10.7	ug/L	107		SW846 8260B
	10.0	10.3	ug/L	103	4.2	SW846 8260B
Acetone	10.0	11.5	ug/L	115		SW846 8260B
	10.0	10.4	ug/L	104	9.9	SW846 8260B
Methylene chloride	10.0	8.93	ug/L	89		SW846 8260B
	10.0	9.19	ug/L	92	2.8	SW846 8260B
Carbon disulfide	10.0	12.0	ug/L	120		SW846 8260B
	10.0	10.4	ug/L	104	15	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL1009 Work Order #...: MCAR71AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F0L140000-215 MCAR71AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethane	10.0	9.93	ug/L	99		SW846 8260B
	10.0	10.1	ug/L	101	1.5	SW846 8260B
2-Butanone	10.0	8.37	ug/L	84		SW846 8260B
	10.0	9.25	ug/L	92	10	SW846 8260B
Chloroform	10.0	9.91	ug/L	99		SW846 8260B
	10.0	10.1	ug/L	101	1.7	SW846 8260B
cis-1,2-Dichloroethene	10.0	9.88	ug/L	99		SW846 8260B
	10.0	10.3	ug/L	103	3.8	SW846 8260B
Propionitrile	50.0	49.7	ug/L	99		SW846 8260B
	50.0	50.0	ug/L	100	0.54	SW846 8260B
trans-1,2-Dichloroethene	10.0	9.91	ug/L	99		SW846 8260B
	10.0	10.1	ug/L	101	2.2	SW846 8260B
1,1,1-Trichloroethane	10.0	9.86	ug/L	99		SW846 8260B
	10.0	9.91	ug/L	99	0.54	SW846 8260B
Carbon tetrachloride	10.0	9.96	ug/L	100		SW846 8260B
	10.0	9.94	ug/L	99	0.20	SW846 8260B
1,2-Dichloroethane	10.0	9.75	ug/L	98		SW846 8260B
	10.0	9.82	ug/L	98	0.76	SW846 8260B
Benzene	10.0	9.88	ug/L	99		SW846 8260B
	10.0	9.99	ug/L	100	1.1	SW846 8260B
Trichloroethene	10.0	10.2	ug/L	102		SW846 8260B
	10.0	10.1	ug/L	101	1.7	SW846 8260B
4-Methyl-2-pentanone	10.0	10.6	ug/L	106		SW846 8260B
	10.0	10.4	ug/L	104	1.6	SW846 8260B
1,1,2-Trichloroethane	10.0	9.64	ug/L	96		SW846 8260B
	10.0	9.99	ug/L	100	3.6	SW846 8260B
Tetrachloroethene	10.0	9.69	ug/L	97		SW846 8260B
	10.0	9.70	ug/L	97	0.12	SW846 8260B
Tetrahydrofuran	50.0	50.2	ug/L	100		SW846 8260B
	50.0	54.8	ug/L	110	8.6	SW846 8260B
1,4-Dichlorobenzene	10.0	9.52	ug/L	95		SW846 8260B
	10.0	9.71	ug/L	97	2.0	SW846 8260B
1-Butanol	100	92.6	ug/L	93		SW846 8260B
	100	124	ug/L	124	29	SW846 8260B
Toluene	10.0	10.0	ug/L	100		SW846 8260B
	10.0	10.0	ug/L	100	0.0	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	103	(84 - 117)
	101	(84 - 117)
Dibromofluoromethane	97	(84 - 118)
	98	(84 - 118)
1,2-Dichloroethane-d4	95	(73 - 122)
	96	(73 - 122)

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL1009 **Work Order #...:** MCAR71AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F0L140000-215 MCAR71AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	99	(81 - 115)
	99	(81 - 115)

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 #...: SL1009 Work Order #...: MCLDF1AC Matrix.....: WATER
LCS Lot-Sample#: F0L200000-353
Prep Date.....: 12/08/10 Analysis Date..: 12/08/10
Prep Batch #...: 0354353
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
cis-1,3-Dichloropropene	10.0	11.2	ug/L	112	SW846 8260B
Dibromochloromethane	10.0	9.86	ug/L	99	SW846 8260B
Chloromethane	10.0	13.3	ug/L	133	SW846 8260B
Bromomethane	10.0	15.7	ug/L	157	SW846 8260B
Chloroethane	10.0	11.8	ug/L	118	SW846 8260B
1,1-Dichloroethene	10.0	9.55	ug/L	95	SW846 8260B
1,2-Dichloroethene (total)	20.0	19.1	ug/L	96	SW846 8260B
1,2-Dichloropropane	10.0	9.71	ug/L	97	SW846 8260B
Bromodichloromethane	10.0	9.85	ug/L	99	SW846 8260B
trans-1,3-Dichloropropene	10.0	11.8	ug/L	118	SW846 8260B
2-Hexanone	10.0	9.35	ug/L	94	SW846 8260B
Chlorobenzene	10.0	9.45	ug/L	95	SW846 8260B
Bromoform	10.0	9.32	ug/L	93	SW846 8260B
Ethylbenzene	10.0	9.94	ug/L	99	SW846 8260B
Styrene	10.0	10.3	ug/L	103	SW846 8260B
1,1,2,2-Tetrachloroethane	10.0	9.08	ug/L	91	SW846 8260B
Allyl chloride	10.0	10.6	ug/L	106	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	10.0	8.37	ug/L	84	SW846 8260B
1,2-Dibromoethane	10.0	9.54	ug/L	95	SW846 8260B
trans-1,4-Dichloro-2-butene	10.0	11.9	ug/L	119	SW846 8260B
Dichlorodifluoromethane (Freon 12)	10.0	11.1	ug/L	111	SW846 8260B
Ethyl methacrylate	10.0	10.3	ug/L	103	SW846 8260B
Methyl methacrylate	10.0	8.56	ug/L	86	SW846 8260B
1,1,1,2-Tetrachloroethane	10.0	9.28	ug/L	93	SW846 8260B
Trichlorofluoromethane	10.0	9.50	ug/L	95	SW846 8260B
Acetonitrile	50.0	50.2	ug/L	100	SW846 8260B
Iodomethane	10.0	14.3	ug/L	143	SW846 8260B
Vinyl acetate	10.0	12.2	ug/L	122	SW846 8260B
Acrolein	50.0	44.9	ug/L	90	SW846 8260B
Isobutanol	200	215	ug/L	108	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL1009 Work Order #...: MCLDF1AC Matrix.....: WATER
LCS Lot-Sample#: F0L200000-353

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Methacrylonitrile	50.0	52.4	ug/L	105	SW846 8260B
1,4-Dioxane	200	212	ug/L	106	SW846 8260B
Chloroprene	10.0	10.5	ug/L	105	SW846 8260B
Vinyl chloride	10.0	10.4	ug/L	104	SW846 8260B
Acetone	10.0	10.7	ug/L	107	SW846 8260B
Methylene chloride	10.0	8.67	ug/L	87	SW846 8260B
Carbon disulfide	10.0	11.8	ug/L	118	SW846 8260B
1,1-Dichloroethane	10.0	9.65	ug/L	97	SW846 8260B
2-Butanone	10.0	8.87	ug/L	89	SW846 8260B
Chloroform	10.0	9.61	ug/L	96	SW846 8260B
cis-1,2-Dichloroethene	10.0	9.43	ug/L	94	SW846 8260B
Propionitrile	50.0	51.2	ug/L	102	SW846 8260B
trans-1,2-Dichloroethene	10.0	9.69	ug/L	97	SW846 8260B
1,1,1-Trichloroethane	10.0	9.75	ug/L	98	SW846 8260B
Carbon tetrachloride	10.0	9.92	ug/L	99	SW846 8260B
1,2-Dichloroethane	10.0	9.82	ug/L	98	SW846 8260B
Benzene	10.0	9.52	ug/L	95	SW846 8260B
Trichloroethene	10.0	9.86	ug/L	99	SW846 8260B
4-Methyl-2-pentanone	10.0	10.2	ug/L	102	SW846 8260B
1,1,2-Trichloroethane	10.0	9.36	ug/L	94	SW846 8260B
Tetrachloroethene	10.0	9.86	ug/L	99	SW846 8260B
Tetrahydrofuran	50.0	47.6	ug/L	95	SW846 8260B
1,4-Dichlorobenzene	10.0	8.97	ug/L	90	SW846 8260B
1-Butanol	100	101	ug/L	101	SW846 8260B
Toluene	10.0	9.58	ug/L	96	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	99	(84 - 117)
Dibromofluoromethane	98	(84 - 118)
1,2-Dichloroethane-d4	98	(73 - 122)
4-Bromofluorobenzene	100	(81 - 115)

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 #...: SL1009 Work Order #...: MCL4C1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F0L200000-356 MCL4C1AD-LCSD
Prep Date.....: 12/13/10 Analysis Date..: 12/13/10
Prep Batch #...: 0354356
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
cis-1,3-Dichloropropene	10.0	12.4	ug/L	124		SW846 8260B
	10.0	11.9	ug/L	119	4.0	SW846 8260B
Dibromochloromethane	10.0	10.3	ug/L	103		SW846 8260B
	10.0	10.3	ug/L	103	0.090	SW846 8260B
Chloromethane	10.0	10.6	ug/L	106		SW846 8260B
	10.0	12.4	ug/L	124	15	SW846 8260B
Bromomethane	10.0	14.3	ug/L	143		SW846 8260B
	10.0	13.8	ug/L	138	3.6	SW846 8260B
Chloroethane	10.0	12.5	ug/L	125		SW846 8260B
	10.0	12.5	ug/L	125	0.40	SW846 8260B
1,1-Dichloroethene	10.0	9.86	ug/L	99		SW846 8260B
	10.0	9.61	ug/L	96	2.5	SW846 8260B
1,2-Dichloroethene (total)	20.0	19.6	ug/L	98		SW846 8260B
	20.0	19.7	ug/L	98	0.56	SW846 8260B
1,2-Dichloropropane	10.0	10.5	ug/L	105		SW846 8260B
	10.0	10.3	ug/L	103	1.5	SW846 8260B
Bromodichloromethane	10.0	10.6	ug/L	106		SW846 8260B
	10.0	10.5	ug/L	105	1.0	SW846 8260B
trans-1,3-Dichloropropene	10.0	13.1	ug/L	131		SW846 8260B
	10.0	13.1	ug/L	131	0.070	SW846 8260B
2-Hexanone	10.0	10.3	ug/L	103		SW846 8260B
	10.0	11.0	ug/L	110	6.3	SW846 8260B
Chlorobenzene	10.0	10.2	ug/L	102		SW846 8260B
	10.0	10.2	ug/L	102	0.39	SW846 8260B
Bromoform	10.0	9.68	ug/L	97		SW846 8260B
	10.0	9.43	ug/L	94	2.6	SW846 8260B
Ethylbenzene	10.0	10.7	ug/L	107		SW846 8260B
	10.0	10.4	ug/L	104	2.6	SW846 8260B
Styrene	10.0	10.8	ug/L	108		SW846 8260B
	10.0	10.7	ug/L	107	0.74	SW846 8260B
1,1,2,2-Tetrachloroethane	10.0	9.89	ug/L	99		SW846 8260B
	10.0	10.1	ug/L	101	2.0	SW846 8260B
Allyl chloride	10.0	11.3	ug/L	113		SW846 8260B
	10.0	11.1	ug/L	111	2.0	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	10.0	8.58	ug/L	86		SW846 8260B
	10.0	9.58	ug/L	96	11	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL1009 Work Order #...: MCL4C1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F0L200000-356 MCL4C1AD-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	10.0	ug/L	100	0.090	SW846 8260B
trans-1,4-Dichloro-2-butene	10.0	12.4	ug/L	124		SW846 8260B
	10.0	12.8	ug/L	128	3.2	SW846 8260B
Dichlorodifluoromethane (Freon 12)	10.0	10.9	ug/L	109		SW846 8260B
	10.0	10.4	ug/L	104	4.4	SW846 8260B
Ethyl methacrylate	10.0	11.4	ug/L	114		SW846 8260B
	10.0	10.8	ug/L	108	5.4	SW846 8260B
Methyl methacrylate	10.0	8.93	ug/L	89		SW846 8260B
	10.0	8.49	ug/L	85	5.0	SW846 8260B
1,1,1,2-Tetrachloroethane	10.0	10.1	ug/L	101		SW846 8260B
	10.0	10.0	ug/L	100	0.59	SW846 8260B
Trichlorofluoromethane	10.0	10.8	ug/L	108		SW846 8260B
	10.0	10.5	ug/L	105	3.4	SW846 8260B
Acetonitrile	50.0	49.7	ug/L	99		SW846 8260B
	50.0	46.9	ug/L	94	5.8	SW846 8260B
Iodomethane	10.0	16.9	ug/L	169		SW846 8260B
	10.0	13.9	ug/L	139	20	SW846 8260B
Vinyl acetate	10.0	11.7	ug/L	117		SW846 8260B
	10.0	11.0	ug/L	110	6.3	SW846 8260B
Acrolein	50.0	36.1	ug/L	72		SW846 8260B
	50.0	35.9	ug/L	72	0.69	SW846 8260B
Isobutanol	200	225	ug/L	112		SW846 8260B
	200	234	ug/L	117	4.3	SW846 8260B
Methacrylonitrile	50.0	51.4	ug/L	103		SW846 8260B
	50.0	52.4	ug/L	105	1.9	SW846 8260B
1,4-Dioxane	200	201	ug/L	101		SW846 8260B
	200	191	ug/L	95	5.5	SW846 8260B
Chloroprene	10.0	10.8	ug/L	108		SW846 8260B
	10.0	10.6	ug/L	106	2.0	SW846 8260B
Vinyl chloride	10.0	10.5	ug/L	105		SW846 8260B
	10.0	10.4	ug/L	104	1.0	SW846 8260B
Acetone	10.0	10.2	ug/L	102		SW846 8260B
	10.0	10.1	ug/L	101	0.29	SW846 8260B
Methylene chloride	10.0	9.17	ug/L	92		SW846 8260B
	10.0	9.14	ug/L	91	0.32	SW846 8260B
Carbon disulfide	10.0	11.9	ug/L	119		SW846 8260B
	10.0	11.7	ug/L	117	2.2	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL1009 Work Order #...: MCL4C1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F0L200000-356 MCL4C1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethane	10.0	10.6	ug/L	106		SW846 8260B
	10.0	10.4	ug/L	104	2.2	SW846 8260B
2-Butanone	10.0	9.17	ug/L	92		SW846 8260B
	10.0	8.67	ug/L	87	5.6	SW846 8260B
Chloroform	10.0	10.5	ug/L	105		SW846 8260B
	10.0	9.95	ug/L	100	5.1	SW846 8260B
cis-1,2-Dichloroethene	10.0	9.62	ug/L	96		SW846 8260B
	10.0	9.89	ug/L	99	2.8	SW846 8260B
Propionitrile	50.0	48.5	ug/L	97		SW846 8260B
	50.0	50.4	ug/L	101	3.8	SW846 8260B
trans-1,2-Dichloroethene	10.0	9.97	ug/L	100		SW846 8260B
	10.0	9.81	ug/L	98	1.6	SW846 8260B
1,1,1-Trichloroethane	10.0	10.5	ug/L	105		SW846 8260B
	10.0	10.3	ug/L	103	1.4	SW846 8260B
Carbon tetrachloride	10.0	11.0	ug/L	110		SW846 8260B
	10.0	10.6	ug/L	106	3.8	SW846 8260B
1,2-Dichloroethane	10.0	10.2	ug/L	102		SW846 8260B
	10.0	10.2	ug/L	102	0.58	SW846 8260B
Benzene	10.0	9.92	ug/L	99		SW846 8260B
	10.0	10.0	ug/L	100	1.0	SW846 8260B
Trichloroethene	10.0	9.92	ug/L	99		SW846 8260B
	10.0	9.63	ug/L	96	2.9	SW846 8260B
4-Methyl-2-pentanone	10.0	10.6	ug/L	106		SW846 8260B
	10.0	10.7	ug/L	107	0.75	SW846 8260B
1,1,2-Trichloroethane	10.0	9.91	ug/L	99		SW846 8260B
	10.0	9.63	ug/L	96	2.9	SW846 8260B
Tetrachloroethene	10.0	9.41	ug/L	94		SW846 8260B
	10.0	9.30	ug/L	93	1.1	SW846 8260B
Tetrahydrofuran	50.0	47.8	ug/L	96		SW846 8260B
	50.0	51.3	ug/L	103	6.9	SW846 8260B
1,4-Dichlorobenzene	10.0	9.10	ug/L	91		SW846 8260B
	10.0	9.33	ug/L	93	2.4	SW846 8260B
1-Butanol	100	108	ug/L	108		SW846 8260B
	100	97.8	ug/L	98	10	SW846 8260B
Toluene	10.0	10.3	ug/L	103		SW846 8260B
	10.0	10.1	ug/L	101	2.2	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	106	(84 - 117)
	103	(84 - 117)
Dibromofluoromethane	99	(84 - 118)
	99	(84 - 118)
1,2-Dichloroethane-d4	102	(73 - 122)
	98	(73 - 122)

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL1009 **Work Order #...:** MCL4C1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F0L200000-356 MCL4C1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	106	(81 - 115)
	107	(81 - 115)

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 #...: SL1009 Work Order #...: MCQA81AC Matrix.....: WATER
LCS Lot-Sample#: F0L220000-204
Prep Date.....: 12/15/10 Analysis Date..: 12/15/10
Prep Batch #...: 0356204
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
cis-1,3-Dichloropropene	10.0	11.8	ug/L	118	SW846 8260B
Dibromochloromethane	10.0	10.4	ug/L	104	SW846 8260B
Chloromethane	10.0	14.8	ug/L	148	SW846 8260B
Bromomethane	10.0	15.5	ug/L	155	SW846 8260B
Chloroethane	10.0	13.4	ug/L	134	SW846 8260B
1,1-Dichloroethene	10.0	9.84	ug/L	98	SW846 8260B
1,2-Dichloroethene (total)	20.0	19.5	ug/L	97	SW846 8260B
1,2-Dichloropropane	10.0	10.3	ug/L	103	SW846 8260B
Bromodichloromethane	10.0	10.5	ug/L	105	SW846 8260B
trans-1,3-Dichloropropene	10.0	13.0	ug/L	130	SW846 8260B
2-Hexanone	10.0	10.4	ug/L	104	SW846 8260B
Chlorobenzene	10.0	10.2	ug/L	102	SW846 8260B
Bromoform	10.0	9.38	ug/L	94	SW846 8260B
Ethylbenzene	10.0	10.4	ug/L	104	SW846 8260B
Styrene	10.0	10.4	ug/L	104	SW846 8260B
1,1,2,2-Tetrachloroethane	10.0	9.52	ug/L	95	SW846 8260B
Allyl chloride	10.0	10.8	ug/L	108	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	10.0	8.18	ug/L	82	SW846 8260B
1,2-Dibromoethane	10.0	9.84	ug/L	98	SW846 8260B
trans-1,4-Dichloro-2-butene	10.0	13.0	ug/L	130	SW846 8260B
Dichlorodifluoromethane (Freon 12)	10.0	11.2	ug/L	112	SW846 8260B
Ethyl methacrylate	10.0	11.5	ug/L	115	SW846 8260B
Methyl methacrylate	10.0	9.68	ug/L	97	SW846 8260B
1,1,1,2-Tetrachloroethane	10.0	10.0	ug/L	100	SW846 8260B
Trichlorofluoromethane	10.0	10.5	ug/L	105	SW846 8260B
Acetonitrile	50.0	55.6	ug/L	111	SW846 8260B
Iodomethane	10.0	13.6	ug/L	136	SW846 8260B
Vinyl acetate	10.0	10.2	ug/L	102	SW846 8260B
Acrolein	50.0	47.7	ug/L	95	SW846 8260B
Isobutanol	200	230	ug/L	115	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL1009 **Work Order #...:** MCQA81AC **Matrix.....:** WATER
LCS Lot-Sample#: F0L220000-204

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Methacrylonitrile	**50.0**	**54.6**	**ug/L**	**109**	**SW846 8260B**
1,4-Dioxane	**200**	**201**	**ug/L**	**100**	**SW846 8260B**
Chloroprene	**10.0**	**10.7**	**ug/L**	**107**	**SW846 8260B**
Vinyl chloride	**10.0**	**11.0**	**ug/L**	**110**	**SW846 8260B**
Acetone	**10.0**	**12.5**	**ug/L**	**125**	**SW846 8260B**
Methylene chloride	**10.0**	**8.99**	**ug/L**	**90**	**SW846 8260B**
Carbon disulfide	**10.0**	**12.3**	**ug/L**	**123**	**SW846 8260B**
1,1-Dichloroethane	**10.0**	**10.4**	**ug/L**	**104**	**SW846 8260B**
2-Butanone	**10.0**	**7.84**	**ug/L**	**78**	**SW846 8260B**
Chloroform	**10.0**	**10.2**	**ug/L**	**102**	**SW846 8260B**
cis-1,2-Dichloroethene	**10.0**	**9.77**	**ug/L**	**98**	**SW846 8260B**
Propionitrile	**50.0**	**47.8**	**ug/L**	**96**	**SW846 8260B**
trans-1,2-Dichloroethene	**10.0**	**9.72**	**ug/L**	**97**	**SW846 8260B**
1,1,1-Trichloroethane	**10.0**	**10.4**	**ug/L**	**104**	**SW846 8260B**
Carbon tetrachloride	**10.0**	**10.6**	**ug/L**	**106**	**SW846 8260B**
1,2-Dichloroethane	**10.0**	**10.5**	**ug/L**	**105**	**SW846 8260B**
Benzene	**10.0**	**9.68**	**ug/L**	**97**	**SW846 8260B**
Trichloroethene	**10.0**	**10.3**	**ug/L**	**103**	**SW846 8260B**
4-Methyl-2-pentanone	**10.0**	**10.4**	**ug/L**	**104**	**SW846 8260B**
1,1,2-Trichloroethane	**10.0**	**10.1**	**ug/L**	**101**	**SW846 8260B**
Tetrachloroethene	**10.0**	**9.00**	**ug/L**	**90**	**SW846 8260B**
Tetrahydrofuran	**50.0**	**50.8**	**ug/L**	**102**	**SW846 8260B**
1,4-Dichlorobenzene	**10.0**	**9.33**	**ug/L**	**93**	**SW846 8260B**
1-Butanol	**100**	**127**	**ug/L**	**127**	**SW846 8260B**
Toluene	**10.0**	**10.1**	**ug/L**	**101**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	108	(84 - 117)
Dibromofluoromethane	103	(84 - 118)
1,2-Dichloroethane-d4	106	(73 - 122)
4-Bromofluorobenzene	109	(81 - 115)

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 #...: SL1009 Work Order #...: MAQXT1AD-MS Matrix.....: WATER
MS Lot-Sample #: F0L020460-001 MAQXT1AE-MSD
Date Sampled...: 11/29/10 Date Received..: 12/02/10
Prep Date.....: 12/06/10 Analysis Date..: 12/06/10
Prep Batch #...: 0341130
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
cis-1,3-Dichloropropene	ND	10.0	13.6	ug/L	136		SW846 8260B
	Qualifiers:		T				
	ND	10.0	13.4	ug/L	134	1.5	SW846 8260B
Chloromethane	0.68	10.0	12.5	ug/L	118		SW846 8260B
	0.68	10.0	13.1	ug/L	125	5.2	SW846 8260B
Bromomethane	0.83	10.0	18.1	ug/L	172		SW846 8260B
	Qualifiers:		T				
	0.83	10.0	20.4	ug/L	196	12	SW846 8260B
	Qualifiers:		T				
Chloroethane	ND	10.0	14.7	ug/L	147		SW846 8260B
	ND	10.0	14.7	ug/L	147	0.06	SW846 8260B
1,1-Dichloroethene	ND	10.0	11.5	ug/L	115		SW846 8260B
	ND	10.0	11.2	ug/L	112	2.3	SW846 8260B
1,2-Dichloroethene (total)	ND	20.0	23.3	ug/L	117		SW846 8260B
	ND	20.0	22.8	ug/L	114	2.3	SW846 8260B
1,2-Dichloropropane	ND	10.0	12.4	ug/L	124		SW846 8260B
	ND	10.0	11.9	ug/L	119	3.7	SW846 8260B
Bromodichloromethane	ND	10.0	12.7	ug/L	127		SW846 8260B
	ND	10.0	12.0	ug/L	120	6.0	SW846 8260B
trans-1,3-Dichloropropene	ND	10.0	13.1	ug/L	131		SW846 8260B
	ND	10.0	13.2	ug/L	132	0.68	SW846 8260B
2-Hexanone	ND	10.0	11.9	ug/L	119		SW846 8260B
	ND	10.0	12.1	ug/L	121	1.8	SW846 8260B
Chlorobenzene	ND	10.0	10.8	ug/L	108		SW846 8260B
	ND	10.0	10.9	ug/L	109	0.73	SW846 8260B
Bromoform	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	10.9	ug/L	109	5.4	SW846 8260B
Ethylbenzene	ND	10.0	11.1	ug/L	111		SW846 8260B
	ND	10.0	11.4	ug/L	114	3.4	SW846 8260B
Styrene	ND	10.0	11.8	ug/L	118		SW846 8260B
	ND	10.0	12.0	ug/L	120	1.9	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	10.0	10.7	ug/L	107		SW846 8260B
	ND	10.0	10.4	ug/L	104	3.1	SW846 8260B
Dibromochloromethane	ND	10.0	11.5	ug/L	115		SW846 8260B
	ND	10.0	11.6	ug/L	116	1.1	SW846 8260B
Allyl chloride	ND	10.0	15.0	ug/L	150		SW846 8260B
	ND	10.0	14.0	ug/L	140	6.7	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL1009 Work Order #...: MAQXT1AD-MS Matrix.....: WATER
MS Lot-Sample #: F0L020460-001 MAQXT1AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,2-Dibromo-3-chloropropane (DBCP)	ND	10.0	10.6	ug/L	106		SW846 8260B
	ND	10.0	9.90	ug/L	99	6.6	SW846 8260B
1,2-Dibromoethane	ND	10.0	10.6	ug/L	106		SW846 8260B
	ND	10.0	10.7	ug/L	107	0.47	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	10.0	13.3	ug/L	133		SW846 8260B
	ND	10.0	13.1	ug/L	131	1.6	SW846 8260B
Dichlorodifluoromethane (Freon 12)	ND	10.0	13.7	ug/L	137		SW846 8260B
	ND	10.0	12.9	ug/L	129	5.6	SW846 8260B
Ethyl methacrylate	ND	10.0	11.7	ug/L	117		SW846 8260B
	ND	10.0	12.5	ug/L	125	6.5	SW846 8260B
Methyl methacrylate	ND	10.0	10.5	ug/L	105		SW846 8260B
	ND	10.0	10.3	ug/L	103	1.9	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	10.0	11.3	ug/L	113		SW846 8260B
	ND	10.0	11.0	ug/L	110	3.0	SW846 8260B
Trichlorofluoromethane	ND	10.0	12.9	ug/L	129		SW846 8260B
	ND	10.0	12.2	ug/L	122	6.1	SW846 8260B
Acetonitrile	ND	50.0	59.5	ug/L	119		SW846 8260B
	ND	50.0	54.1	ug/L	108	9.5	SW846 8260B
Iodomethane	0.48	10.0	16.2	ug/L	158		SW846 8260B
	Qualifiers: T						
	0.48	10.0	19.0	ug/L	185	15	SW846 8260B
	Qualifiers: T						
Vinyl acetate	ND	10.0	13.8	ug/L	138		SW846 8260B
	ND	10.0	13.6	ug/L	136	1.2	SW846 8260B
Acrolein	ND	50.0	34.5	ug/L	69		SW846 8260B
	ND	50.0	35.1	ug/L	70	1.7	SW846 8260B
Isobutanol	ND	200	273	ug/L	137		SW846 8260B
	ND	200	254	ug/L	127	7.2	SW846 8260B
Methacrylonitrile	ND	50.0	66.2	ug/L	132		SW846 8260B
	ND	50.0	63.3	ug/L	127	4.6	SW846 8260B
1,4-Dioxane	ND	200	210	ug/L	105		SW846 8260B
	ND	200	235	ug/L	118	11	SW846 8260B
Chloroprene	ND	10.0	13.5	ug/L	135		SW846 8260B
	ND	10.0	12.7	ug/L	127	5.9	SW846 8260B
Vinyl chloride	ND	10.0	12.6	ug/L	126		SW846 8260B
	ND	10.0	12.2	ug/L	122	2.9	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL1009 Work Order #...: MAQXT1AD-MS Matrix.....: WATER
MS Lot-Sample #: F0L020460-001 MAQXT1AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acetone	ND	10.0	12.2	ug/L	122		SW846 8260B
	ND	10.0	11.8	ug/L	118	2.6	SW846 8260B
Methylene chloride	ND	10.0	11.0	ug/L	110		SW846 8260B
	ND	10.0	10.6	ug/L	106	3.7	SW846 8260B
Carbon disulfide	ND	10.0	12.2	ug/L	122		SW846 8260B
	ND	10.0	11.9	ug/L	119	2.2	SW846 8260B
1,1-Dichloroethane	ND	10.0	12.7	ug/L	127		SW846 8260B
	ND	10.0	12.1	ug/L	121	4.6	SW846 8260B
2-Butanone	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	10.2	ug/L	102	0.58	SW846 8260B
Chloroform	ND	10.0	12.2	ug/L	122		SW846 8260B
	ND	10.0	11.7	ug/L	117	4.8	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	11.8	ug/L	118		SW846 8260B
	ND	10.0	11.4	ug/L	114	3.9	SW846 8260B
Propionitrile	ND	50.0	54.6	ug/L	109		SW846 8260B
	ND	50.0	51.4	ug/L	103	6.2	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	11.5	ug/L	115		SW846 8260B
	ND	10.0	11.4	ug/L	114	0.87	SW846 8260B
1,1,1-Trichloroethane	ND	10.0	12.5	ug/L	125		SW846 8260B
	ND	10.0	11.8	ug/L	118	5.0	SW846 8260B
Carbon tetrachloride	ND	10.0	12.5	ug/L	125		SW846 8260B
	ND	10.0	12.1	ug/L	121	3.7	SW846 8260B
1,2-Dichloroethane	ND	10.0	12.9	ug/L	129		SW846 8260B
	ND	10.0	11.8	ug/L	118	9.3	SW846 8260B
Benzene	ND	10.0	12.0	ug/L	120		SW846 8260B
	ND	10.0	11.7	ug/L	117	2.4	SW846 8260B
Trichloroethene	0.48	10.0	11.9	ug/L	114		SW846 8260B
	0.48	10.0	11.7	ug/L	112	1.9	SW846 8260B
4-Methyl-2-pentanone	ND	10.0	10.8	ug/L	108		SW846 8260B
	ND	10.0	11.4	ug/L	114	5.9	SW846 8260B
1,1,2-Trichloroethane	ND	10.0	11.0	ug/L	110		SW846 8260B
	ND	10.0	10.8	ug/L	108	1.2	SW846 8260B
Tetrachloroethene	ND	10.0	10.5	ug/L	105		SW846 8260B
	ND	10.0	10.8	ug/L	108	3.1	SW846 8260B
Tetrahydrofuran	ND	50.0	61.1	ug/L	122		SW846 8260B
	ND	50.0	54.8	ug/L	110	11	SW846 8260B
1,4-Dichlorobenzene	ND	10.0	9.95	ug/L	100		SW846 8260B
	ND	10.0	10.1	ug/L	101	1.9	SW846 8260B
1-Butanol	ND	100	132	ug/L	132		SW846 8260B
	ND	100	136	ug/L	136	3.0	SW846 8260B
Toluene	ND	10.0	11.1	ug/L	111		SW846 8260B
	ND	10.0	11.2	ug/L	112	1.2	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL1009 **Work Order #...:** MAQXT1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F0L020460-001 MAQXT1AE-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	96	(70 - 127)
	98	(70 - 127)
Dibromofluoromethane	103	(71 - 128)
	98	(71 - 128)
1,2-Dichloroethane-d4	106	(65 - 128)
	101	(65 - 128)
4-Bromofluorobenzene	97	(69 - 124)
	98	(69 - 124)

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.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL1009 **Work Order #...:** MAQ0F1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F0L020465-001 MAQ0F1AE-MSD
Date Sampled...: 11/29/10 **Date Received..:** 12/02/10
Prep Date.....: 12/07/10 **Analysis Date..:** 12/07/10
Prep Batch #...: 0348215
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
cis-1,3-Dichloropropene	ND	10.0	13.3	ug/L	133		SW846 8260B
	ND	10.0	13.5	ug/L	135	1.9	SW846 8260B
Chloromethane	0.65	10.0	14.5	ug/L	139		SW846 8260B
	0.65	10.0	15.0	ug/L	143	3.0	SW846 8260B
	Qualifiers:		T				
Bromomethane	0.72	10.0	19.8	ug/L	191		SW846 8260B
	Qualifiers:		T				
	0.72	10.0	20.2	ug/L	194	1.8	SW846 8260B
	Qualifiers:		T				
Chloroethane	ND	10.0	14.4	ug/L	144		SW846 8260B
	ND	10.0	14.6	ug/L	146	1.4	SW846 8260B
1,1-Dichloroethene	ND	10.0	11.4	ug/L	114		SW846 8260B
	ND	10.0	11.7	ug/L	117	2.1	SW846 8260B
1,2-Dichloroethene (total)	ND	20.0	23.7	ug/L	118		SW846 8260B
	ND	20.0	24.1	ug/L	121	1.8	SW846 8260B
1,2-Dichloropropane	ND	10.0	12.1	ug/L	121		SW846 8260B
	ND	10.0	12.2	ug/L	122	0.74	SW846 8260B
Bromodichloromethane	ND	10.0	12.4	ug/L	124		SW846 8260B
	ND	10.0	12.4	ug/L	124	0.16	SW846 8260B
trans-1,3-Dichloropropene	ND	10.0	12.6	ug/L	126		SW846 8260B
	ND	10.0	13.2	ug/L	132	4.2	SW846 8260B
2-Hexanone	ND	10.0	9.92	ug/L	99		SW846 8260B
	ND	10.0	10.1	ug/L	101	1.5	SW846 8260B
Chlorobenzene	ND	10.0	10.9	ug/L	109		SW846 8260B
	ND	10.0	10.9	ug/L	109	0.55	SW846 8260B
Bromoform	ND	10.0	11.0	ug/L	110		SW846 8260B
	ND	10.0	11.0	ug/L	110	0.27	SW846 8260B
Ethylbenzene	ND	10.0	11.5	ug/L	115		SW846 8260B
	ND	10.0	11.4	ug/L	114	0.17	SW846 8260B
Styrene	ND	10.0	11.7	ug/L	117		SW846 8260B
	ND	10.0	11.7	ug/L	117	0.17	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	10.0	10.5	ug/L	105		SW846 8260B
	ND	10.0	10.5	ug/L	105	0.19	SW846 8260B
Dibromochloromethane	ND	10.0	11.2	ug/L	112		SW846 8260B
	ND	10.0	11.3	ug/L	113	0.35	SW846 8260B
Allyl chloride	ND	10.0	14.1	ug/L	141		SW846 8260B
	ND	10.0	14.2	ug/L	142	0.28	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL1009 Work Order #...: MAQ0F1AD-MS Matrix.....: WATER
MS Lot-Sample #: F0L020465-001 MAQ0F1AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,2-Dibromo-3-chloropropane (DBCP)	ND	10.0	9.16	ug/L	92		SW846 8260B
	ND	10.0	10.1	ug/L	101	9.8	SW846 8260B
1,2-Dibromoethane	ND	10.0	10.8	ug/L	108		SW846 8260B
	ND	10.0	11.0	ug/L	110	1.6	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	10.0	12.9	ug/L	129		SW846 8260B
	ND	10.0	11.9	ug/L	119	7.9	SW846 8260B
Dichlorodifluoromethane (Freon 12)	ND	10.0	13.0	ug/L	130		SW846 8260B
	ND	10.0	12.9	ug/L	129	1.5	SW846 8260B
Ethyl methacrylate	ND	10.0	11.7	ug/L	117		SW846 8260B
	ND	10.0	11.6	ug/L	116	1.6	SW846 8260B
Methyl methacrylate	ND	10.0	9.57	ug/L	96		SW846 8260B
	ND	10.0	9.81	ug/L	98	2.5	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	10.0	10.8	ug/L	108		SW846 8260B
	ND	10.0	10.8	ug/L	108	0.64	SW846 8260B
Trichlorofluoromethane	ND	10.0	12.3	ug/L	123		SW846 8260B
	ND	10.0	12.4	ug/L	124	1.1	SW846 8260B
Acetonitrile	ND	50.0	51.3	ug/L	103		SW846 8260B
	ND	50.0	58.1	ug/L	116	12	SW846 8260B
Iodomethane	ND	10.0	19.4	ug/L	194		SW846 8260B
		Qualifiers:	T				
	ND	10.0	19.8	ug/L	198	1.7	SW846 8260B
		Qualifiers:	T				
Vinyl acetate	ND	10.0	13.0	ug/L	130		SW846 8260B
	ND	10.0	12.7	ug/L	127	1.9	SW846 8260B
Acrolein	ND	50.0	32.9	ug/L	66		SW846 8260B
	ND	50.0	35.6	ug/L	71	7.6	SW846 8260B
Isobutanol	ND	200	237	ug/L	118		SW846 8260B
	ND	200	205	ug/L	102	14	SW846 8260B
Methacrylonitrile	ND	50.0	60.8	ug/L	122		SW846 8260B
	ND	50.0	62.0	ug/L	124	2.0	SW846 8260B
1,4-Dioxane	ND	200	179	ug/L	90		SW846 8260B
	ND	200	209	ug/L	105	15	SW846 8260B
Chloroprene	ND	10.0	13.0	ug/L	130		SW846 8260B
	ND	10.0	13.0	ug/L	130	0.30	SW846 8260B
Vinyl chloride	ND	10.0	12.2	ug/L	122		SW846 8260B
	ND	10.0	12.5	ug/L	125	2.7	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL1009 Work Order #...: MAQ0F1AD-MS Matrix.....: WATER
MS Lot-Sample #: F0L020465-001 MAQ0F1AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acetone	4.5	10.0	16.2	ug/L	117		SW846 8260B
	4.5	10.0	15.3	ug/L	108	5.7	SW846 8260B
Methylene chloride	ND	10.0	10.7	ug/L	107		SW846 8260B
	ND	10.0	10.8	ug/L	108	1.1	SW846 8260B
Carbon disulfide	ND	10.0	12.1	ug/L	121		SW846 8260B
	ND	10.0	12.2	ug/L	122	0.65	SW846 8260B
1,1-Dichloroethane	ND	10.0	12.0	ug/L	120		SW846 8260B
	ND	10.0	12.2	ug/L	122	2.1	SW846 8260B
2-Butanone	ND	10.0	9.07	ug/L	91		SW846 8260B
	ND	10.0	10.8	ug/L	108	17	SW846 8260B
Chloroform	1.4	10.0	13.6	ug/L	122		SW846 8260B
	1.4	10.0	13.8	ug/L	124	1.2	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	11.7	ug/L	117		SW846 8260B
	ND	10.0	12.0	ug/L	120	1.9	SW846 8260B
Propionitrile	ND	50.0	51.1	ug/L	102		SW846 8260B
	ND	50.0	53.6	ug/L	107	4.8	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	12.0	ug/L	120		SW846 8260B
	ND	10.0	12.2	ug/L	122	1.6	SW846 8260B
1,1,1-Trichloroethane	ND	10.0	12.4	ug/L	124		SW846 8260B
	ND	10.0	12.3	ug/L	123	0.64	SW846 8260B
Carbon tetrachloride	ND	10.0	12.2	ug/L	122		SW846 8260B
	ND	10.0	12.5	ug/L	125	2.5	SW846 8260B
1,2-Dichloroethane	ND	10.0	12.1	ug/L	121		SW846 8260B
	ND	10.0	12.0	ug/L	120	1.5	SW846 8260B
Benzene	ND	10.0	11.8	ug/L	118		SW846 8260B
	ND	10.0	12.1	ug/L	121	2.4	SW846 8260B
Trichloroethene	ND	10.0	11.9	ug/L	119		SW846 8260B
	ND	10.0	12.0	ug/L	120	1.2	SW846 8260B
4-Methyl-2-pentanone	ND	10.0	10.8	ug/L	108		SW846 8260B
	ND	10.0	11.1	ug/L	111	2.5	SW846 8260B
1,1,2-Trichloroethane	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	10.6	ug/L	106	1.8	SW846 8260B
Tetrachloroethene	ND	10.0	11.0	ug/L	110		SW846 8260B
	ND	10.0	10.2	ug/L	102	7.3	SW846 8260B
Tetrahydrofuran	ND	50.0	58.0	ug/L	116		SW846 8260B
	ND	50.0	56.1	ug/L	112	3.3	SW846 8260B
1,4-Dichlorobenzene	ND	10.0	10.1	ug/L	101		SW846 8260B
	ND	10.0	10.4	ug/L	104	3.3	SW846 8260B
1-Butanol	ND	100	122	ug/L	122		SW846 8260B
	ND	100	125	ug/L	125	2.8	SW846 8260B
Toluene	0.11	10.0	11.3	ug/L	112		SW846 8260B
	0.11	10.0	11.2	ug/L	111	0.97	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL1009 **Work Order #...:** MAQ0F1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F0L020465-001 MAQ0F1AE-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	96	(70 - 127)
	93	(70 - 127)
Dibromofluoromethane	99	(71 - 128)
	100	(71 - 128)
1,2-Dichloroethane-d4	95	(65 - 128)
	94	(65 - 128)
4-Bromofluorobenzene	100	(69 - 124)
	97	(69 - 124)

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.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL1009 Work Order #...: MA03A1AD-MS Matrix.....: WATER
MS Lot-Sample #: F0L070516-012 MA03A1AE-MSD
Date Sampled...: 12/05/10 Date Received..: 12/07/10
Prep Date.....: 12/08/10 Analysis Date..: 12/08/10
Prep Batch #...: 0354353
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
cis-1,3-Dichloropropene	ND	10.0	13.6	ug/L	136		SW846 8260B
		Qualifiers:	T				
	ND	10.0	13.8	ug/L	138	1.5	SW846 8260B
		Qualifiers:	T				
Chloromethane	ND	10.0	13.5	ug/L	135		SW846 8260B
	ND	10.0	13.4	ug/L	134	1.4	SW846 8260B
Bromomethane	0.70	10.0	23.3	ug/L	226		SW846 8260B
		Qualifiers:	T				
	0.70	10.0	22.9	ug/L	222	1.8	SW846 8260B
		Qualifiers:	T				
Chloroethane	ND	10.0	15.1	ug/L	151		SW846 8260B
		Qualifiers:	T				
	ND	10.0	15.6	ug/L	156	3.7	SW846 8260B
		Qualifiers:	T				
1,1-Dichloroethene	ND	10.0	12.0	ug/L	120		SW846 8260B
	ND	10.0	12.3	ug/L	123	2.1	SW846 8260B
1,2-Dichloroethene (total)	ND	20.0	24.4	ug/L	122		SW846 8260B
	ND	20.0	24.8	ug/L	124	1.8	SW846 8260B
1,2-Dichloropropane	ND	10.0	12.3	ug/L	123		SW846 8260B
	ND	10.0	12.6	ug/L	126	2.6	SW846 8260B
Bromodichloromethane	ND	10.0	12.5	ug/L	125		SW846 8260B
	ND	10.0	12.6	ug/L	126	0.79	SW846 8260B
trans-1,3-Dichloropropene	ND	10.0	13.4	ug/L	134		SW846 8260B
	ND	10.0	13.1	ug/L	131	2.1	SW846 8260B
2-Hexanone	ND	10.0	11.6	ug/L	116		SW846 8260B
	ND	10.0	11.2	ug/L	112	3.8	SW846 8260B
Chlorobenzene	ND	10.0	11.2	ug/L	112		SW846 8260B
	ND	10.0	11.4	ug/L	114	2.3	SW846 8260B
Bromoform	ND	10.0	10.5	ug/L	105		SW846 8260B
	ND	10.0	11.2	ug/L	112	6.8	SW846 8260B
Ethylbenzene	ND	10.0	11.7	ug/L	117		SW846 8260B
	ND	10.0	12.0	ug/L	120	2.9	SW846 8260B
Styrene	ND	10.0	12.0	ug/L	120		SW846 8260B
	ND	10.0	12.2	ug/L	122	2.0	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	10.0	10.6	ug/L	106		SW846 8260B
	ND	10.0	10.9	ug/L	109	2.7	SW846 8260B
Dibromochloromethane	ND	10.0	11.4	ug/L	114		SW846 8260B
	ND	10.0	11.6	ug/L	116	1.2	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL1009 Work Order #...: MA03A1AD-MS Matrix.....: WATER
MS Lot-Sample #: F0L070516-012 MA03A1AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Allyl chloride	ND	10.0	14.1	ug/L	141		SW846 8260B
	ND	10.0	13.6	ug/L	136	3.9	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	10.0	10.1	ug/L	101		SW846 8260B
	ND	10.0	9.51	ug/L	95	6.2	SW846 8260B
1,2-Dibromoethane	ND	10.0	11.0	ug/L	110		SW846 8260B
	ND	10.0	11.3	ug/L	113	2.5	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	10.0	12.2	ug/L	122		SW846 8260B
	ND	10.0	12.3	ug/L	123	0.73	SW846 8260B
Dichlorodifluoromethane (Freon 12)	ND	10.0	12.8	ug/L	128		SW846 8260B
	ND	10.0	13.0	ug/L	130	1.9	SW846 8260B
Ethyl methacrylate	ND	10.0	11.6	ug/L	116		SW846 8260B
	ND	10.0	11.8	ug/L	118	1.5	SW846 8260B
Methyl methacrylate	ND	10.0	10.0	ug/L	100		SW846 8260B
	ND	10.0	9.92	ug/L	99	0.85	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	10.0	11.1	ug/L	111		SW846 8260B
	ND	10.0	11.3	ug/L	113	2.3	SW846 8260B
Trichlorofluoromethane	ND	10.0	12.5	ug/L	125		SW846 8260B
	ND	10.0	12.8	ug/L	128	2.0	SW846 8260B
Acetonitrile	ND	50.0	57.6	ug/L	115		SW846 8260B
	ND	50.0	56.2	ug/L	112	2.4	SW846 8260B
Iodomethane	ND	10.0	25.3	ug/L	253		SW846 8260B
		Qualifiers:	T				
	ND	10.0	31.1	ug/L	311	20	SW846 8260B
		Qualifiers:	T				
Vinyl acetate	ND	10.0	13.8	ug/L	138		SW846 8260B
	ND	10.0	12.8	ug/L	128	7.2	SW846 8260B
Acrolein	ND	50.0	33.4	ug/L	67		SW846 8260B
	ND	50.0	34.4	ug/L	69	3.2	SW846 8260B
Isobutanol	ND	200	247	ug/L	123		SW846 8260B
	ND	200	235	ug/L	117	4.9	SW846 8260B
Methacrylonitrile	ND	50.0	62.8	ug/L	126		SW846 8260B
	ND	50.0	62.6	ug/L	125	0.33	SW846 8260B
1,4-Dioxane	ND	200	232	ug/L	116		SW846 8260B
	ND	200	242	ug/L	121	4.2	SW846 8260B
Chloroprene	ND	10.0	13.2	ug/L	132		SW846 8260B
	ND	10.0	13.2	ug/L	132	0.15	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL1009 Work Order #...: MA03A1AD-MS Matrix.....: WATER
MS Lot-Sample #: F0L070516-012 MA03A1AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Vinyl chloride	ND	10.0	12.5	ug/L	125		SW846 8260B
	ND	10.0	12.6	ug/L	126	0.39	SW846 8260B
Acetone	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	11.1	ug/L	111	7.4	SW846 8260B
Methylene chloride	ND	10.0	11.1	ug/L	111		SW846 8260B
	ND	10.0	11.2	ug/L	112	1.2	SW846 8260B
Carbon disulfide	0.12	10.0	13.0	ug/L	129		SW846 8260B
	0.12	10.0	13.2	ug/L	130	0.99	SW846 8260B
1,1-Dichloroethane	ND	10.0	12.6	ug/L	126		SW846 8260B
	ND	10.0	12.5	ug/L	125	0.71	SW846 8260B
2-Butanone	ND	10.0	9.16	ug/L	92		SW846 8260B
	ND	10.0	8.99	ug/L	90	1.8	SW846 8260B
Chloroform	0.14	10.0	12.5	ug/L	123		SW846 8260B
	0.14	10.0	12.6	ug/L	124	0.63	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	12.1	ug/L	121		SW846 8260B
	ND	10.0	12.2	ug/L	122	0.98	SW846 8260B
Propionitrile	ND	50.0	49.5	ug/L	99		SW846 8260B
	ND	50.0	49.3	ug/L	99	0.32	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	12.3	ug/L	123		SW846 8260B
	ND	10.0	12.6	ug/L	126	2.5	SW846 8260B
	Qualifiers:	T					
1,1,1-Trichloroethane	ND	10.0	12.6	ug/L	126		SW846 8260B
	ND	10.0	12.8	ug/L	128	1.2	SW846 8260B
Carbon tetrachloride	ND	10.0	12.8	ug/L	128		SW846 8260B
	ND	10.0	13.0	ug/L	130	1.5	SW846 8260B
1,2-Dichloroethane	ND	10.0	12.4	ug/L	124		SW846 8260B
	ND	10.0	12.0	ug/L	120	3.4	SW846 8260B
Benzene	ND	10.0	12.3	ug/L	123		SW846 8260B
	ND	10.0	12.6	ug/L	126	2.6	SW846 8260B
Trichloroethene	ND	10.0	12.0	ug/L	120		SW846 8260B
	ND	10.0	12.2	ug/L	122	1.6	SW846 8260B
4-Methyl-2-pentanone	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	10.2	ug/L	102	0.49	SW846 8260B
1,1,2-Trichloroethane	ND	10.0	10.9	ug/L	109		SW846 8260B
	ND	10.0	11.1	ug/L	111	1.4	SW846 8260B
Tetrachloroethene	ND	10.0	12.0	ug/L	120		SW846 8260B
	ND	10.0	12.2	ug/L	122	1.6	SW846 8260B
Tetrahydrofuran	ND	50.0	60.5	ug/L	121		SW846 8260B
	ND	50.0	61.5	ug/L	123	1.6	SW846 8260B
1,4-Dichlorobenzene	ND	10.0	10.3	ug/L	103		SW846 8260B
	ND	10.0	10.8	ug/L	108	4.5	SW846 8260B
1-Butanol	ND	100	1350	ug/L	1350		SW846 8260B
	Qualifiers:	T					
	ND	100	1340	ug/L	1340	0.37	SW846 8260B
	Qualifiers:	T					

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL1009 **Work Order #...:** MA03A1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F0L070516-012 MA03A1AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Toluene	**ND**	**10.0**	**11.6**	**ug/L**	**116**		**SW846 8260B**
	ND	**10.0**	**11.6**	**ug/L**	**116**	**0.77**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	94	(70 - 127)
	94	(70 - 127)
Dibromofluoromethane	101	(71 - 128)
	99	(71 - 128)
1,2-Dichloroethane-d4	98	(65 - 128)
	96	(65 - 128)
4-Bromofluorobenzene	98	(69 - 124)
	98	(69 - 124)

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.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL1009 Work Order #...: MA0431AP-MS Matrix.....: WATER
MS Lot-Sample #: F0L070524-001 MA0431AQ-MSD
Date Sampled...: 12/05/10 Date Received..: 12/07/10
Prep Date.....: 12/13/10 Analysis Date..: 12/13/10
Prep Batch #...: 0354356
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
cis-1,3-Dichloropropene	ND	10.0	12.8	ug/L	128		SW846 8260B
	ND	10.0	13.6	ug/L	136	6.6	SW846 8260B
	Qualifiers:		T				
Chloromethane	0.57	10.0	9.21	ug/L	86		SW846 8260B
	0.57	10.0	8.81	ug/L	82	4.4	SW846 8260B
Bromomethane	0.52	10.0	17.9	ug/L	174		SW846 8260B
	Qualifiers:		T				
	0.52	10.0	20.6	ug/L	201	14	SW846 8260B
	Qualifiers:		T				
Chloroethane	ND	10.0	13.5	ug/L	135		SW846 8260B
	ND	10.0	15.0	ug/L	150	10	SW846 8260B
1,1-Dichloroethene	ND	10.0	10.8	ug/L	108		SW846 8260B
	ND	10.0	11.3	ug/L	113	4.5	SW846 8260B
1,2-Dichloroethene (total)	ND	20.0	21.9	ug/L	110		SW846 8260B
	ND	20.0	23.6	ug/L	118	7.4	SW846 8260B
1,2-Dichloropropane	ND	10.0	11.0	ug/L	110		SW846 8260B
	ND	10.0	11.2	ug/L	112	2.2	SW846 8260B
Bromodichloromethane	ND	10.0	10.7	ug/L	107		SW846 8260B
	ND	10.0	10.8	ug/L	108	1.0	SW846 8260B
trans-1,3-Dichloropropene	ND	10.0	13.4	ug/L	134		SW846 8260B
	ND	10.0	14.2	ug/L	142	6.1	SW846 8260B
	Qualifiers:		T				
2-Hexanone	ND	10.0	15.2	ug/L	152		SW846 8260B
	Qualifiers:		T				
	ND	10.0	15.4	ug/L	154	1.6	SW846 8260B
	Qualifiers:		T				
Chlorobenzene	ND	10.0	10.5	ug/L	105		SW846 8260B
	ND	10.0	11.5	ug/L	115	9.1	SW846 8260B
Bromoform	ND	10.0	10.0	ug/L	100		SW846 8260B
	ND	10.0	11.0	ug/L	110	9.2	SW846 8260B
Ethylbenzene	9.2	10.0	17.9	ug/L	87		SW846 8260B
	9.2	10.0	20.8	ug/L	116	15	SW846 8260B
Styrene	ND	10.0	11.4	ug/L	114		SW846 8260B
	ND	10.0	12.1	ug/L	121	5.7	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	10.0	11.0	ug/L	110		SW846 8260B
	ND	10.0	12.2	ug/L	122	9.6	SW846 8260B
Dibromochloromethane	ND	10.0	10.9	ug/L	109		SW846 8260B
	ND	10.0	11.2	ug/L	112	2.3	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL1009 **Work Order #...:** MA0431AP-MS **Matrix.....:** WATER
MS Lot-Sample #: F0L070524-001 MA0431AQ-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Allyl chloride	ND	10.0	11.0	ug/L	110		SW846 8260B
	ND	10.0	11.1	ug/L	111	0.81	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	11.6	ug/L	116	11	SW846 8260B
1,2-Dibromoethane	ND	10.0	10.7	ug/L	107		SW846 8260B
	ND	10.0	11.4	ug/L	114	5.7	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	10.0	16.1	ug/L	161		SW846 8260B
		Qualifiers:	T				
	ND	10.0	16.7	ug/L	167	3.8	SW846 8260B
		Qualifiers:	T				
Dichlorodifluoromethane (Freon 12)	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	10.4	ug/L	104	1.4	SW846 8260B
Ethyl methacrylate	ND	10.0	15.0	ug/L	150		SW846 8260B
		Qualifiers:	T				
	ND	10.0	15.5	ug/L	155	3.5	SW846 8260B
		Qualifiers:	T				
Methyl methacrylate	ND	10.0	10.5	ug/L	105		SW846 8260B
	ND	10.0	11.3	ug/L	113	7.1	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	10.9	ug/L	109	5.4	SW846 8260B
Trichlorofluoromethane	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	10.2	ug/L	102	2.0	SW846 8260B
Acetonitrile	ND	50.0	41.1	ug/L	82		SW846 8260B
	ND	50.0	53.2	ug/L	106	26	SW846 8260B
Iodomethane	ND	10.0	24.4	ug/L	244		SW846 8260B
		Qualifiers:	T				
	ND	10.0	29.3	ug/L	293	18	SW846 8260B
		Qualifiers:	T				
Vinyl acetate	ND	10.0	11.0	ug/L	110		SW846 8260B
	ND	10.0	13.8	ug/L	138	23	SW846 8260B
Acrolein	ND	50.0	30.3	ug/L	61		SW846 8260B
	ND	50.0	25.6	ug/L	51	17	SW846 8260B
Isobutanol	ND	200	307	ug/L	154		SW846 8260B
		Qualifiers:	T				
	ND	200	294	ug/L	147	4.2	SW846 8260B
Methacrylonitrile	ND	50.0	56.2	ug/L	112		SW846 8260B
	ND	50.0	57.9	ug/L	116	3.0	SW846 8260B
1,4-Dioxane	ND	200	326	ug/L	163		SW846 8260B
		Qualifiers:	T				
	ND	200	158	ug/L	79	70	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL1009 Work Order #...: MA0431AP-MS Matrix.....: WATER
MS Lot-Sample #: F0L070524-001 MA0431AQ-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Chloroprene	ND	10.0	10.8	ug/L	108		SW846 8260B
	ND	10.0	10.2	ug/L	102	6.5	SW846 8260B
Vinyl chloride	ND	10.0	10.3	ug/L	103		SW846 8260B
	ND	10.0	10.4	ug/L	104	0.67	SW846 8260B
Acetone	27	10.0	31.3	ug/L	42		SW846 8260B
	27	10.0	21.2	ug/L	0.0	0.0	SW846 8260B
	Qualifiers: T						
Methylene chloride	ND	10.0	9.63	ug/L	96		SW846 8260B
	ND	10.0	10.2	ug/L	102	5.7	SW846 8260B
Carbon disulfide	3.2	10.0	14.8	ug/L	115		SW846 8260B
	3.2	10.0	16.2	ug/L	130	9.5	SW846 8260B
1,1-Dichloroethane	ND	10.0	10.9	ug/L	109		SW846 8260B
	ND	10.0	11.1	ug/L	111	1.8	SW846 8260B
2-Butanone	9.1	10.0	17.1	ug/L	81		SW846 8260B
	9.1	10.0	17.5	ug/L	85	2.1	SW846 8260B
Chloroform	ND	10.0	10.5	ug/L	105		SW846 8260B
	ND	10.0	10.7	ug/L	107	1.8	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	10.9	ug/L	109		SW846 8260B
	ND	10.0	11.9	ug/L	119	8.2	SW846 8260B
Propionitrile	ND	50.0	53.2	ug/L	106		SW846 8260B
	ND	50.0	54.7	ug/L	109	2.6	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	11.0	ug/L	110		SW846 8260B
	ND	10.0	11.8	ug/L	118	6.7	SW846 8260B
1,1,1-Trichloroethane	ND	10.0	10.6	ug/L	106		SW846 8260B
	ND	10.0	10.6	ug/L	106	0.0	SW846 8260B
Carbon tetrachloride	ND	10.0	10.5	ug/L	105		SW846 8260B
	ND	10.0	10.9	ug/L	109	3.6	SW846 8260B
1,2-Dichloroethane	ND	10.0	10.3	ug/L	103		SW846 8260B
	ND	10.0	10.1	ug/L	101	2.2	SW846 8260B
Benzene	0.99	10.0	11.8	ug/L	108		SW846 8260B
	0.99	10.0	12.4	ug/L	114	4.9	SW846 8260B
Trichloroethene	ND	10.0	11.1	ug/L	111		SW846 8260B
	ND	10.0	11.6	ug/L	116	4.3	SW846 8260B
4-Methyl-2-pentanone	ND	10.0	12.9	ug/L	129		SW846 8260B
	ND	10.0	14.8	ug/L	148	14	SW846 8260B
1,1,2-Trichloroethane	ND	10.0	12.2	ug/L	122		SW846 8260B
	ND	10.0	12.6	ug/L	126	3.0	SW846 8260B
Tetrachloroethene	ND	10.0	9.80	ug/L	98		SW846 8260B
	ND	10.0	10.1	ug/L	101	3.4	SW846 8260B
Tetrahydrofuran	ND	50.0	58.8	ug/L	118		SW846 8260B
	ND	50.0	59.9	ug/L	120	1.8	SW846 8260B
1,4-Dichlorobenzene	ND	10.0	9.22	ug/L	92		SW846 8260B
	ND	10.0	10.2	ug/L	102	9.6	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL1009 **Work Order #...:** MA0431AP-MS **Matrix.....:** WATER
MS Lot-Sample #: F0L070524-001 MA0431AQ-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1-Butanol	ND	100	236	ug/L	236		SW846 8260B
	Qualifiers:		T				
	ND	100	233	ug/L	233	1.2	SW846 8260B
	Qualifiers:		T				
Toluene	0.31	10.0	11.1	ug/L	108		SW846 8260B
	0.31	10.0	11.6	ug/L	113	4.8	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	98	(70 - 127)
	97	(70 - 127)
Dibromofluoromethane	92	(71 - 128)
	93	(71 - 128)
1,2-Dichloroethane-d4	86	(65 - 128)
	79	(65 - 128)
4-Bromofluorobenzene	111	(69 - 124)
	108	(69 - 124)

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.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL1009 Work Order #...: MA6E71AD-MS Matrix.....: WATER
MS Lot-Sample #: F0L100474-002 MA6E71AE-MSD
Date Sampled...: 12/09/10 Date Received..: 12/10/10
Prep Date.....: 12/15/10 Analysis Date..: 12/15/10
Prep Batch #...: 0356204
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
cis-1,3-Dichloropropene	ND	10.0	14.1	ug/L	141		SW846 8260B
	Qualifiers:		T				
	ND	10.0	13.6	ug/L	136	3.4	SW846 8260B
	Qualifiers:		T				
Chloromethane	0.60	10.0	11.2	ug/L	106		SW846 8260B
	0.60	10.0	11.6	ug/L	110	3.0	SW846 8260B
Bromomethane	0.54	10.0	21.0	ug/L	204		SW846 8260B
	Qualifiers:		T				
	0.54	10.0	21.2	ug/L	206	0.95	SW846 8260B
	Qualifiers:		T				
Chloroethane	ND	10.0	16.0	ug/L	160		SW846 8260B
	Qualifiers:		T				
	ND	10.0	14.6	ug/L	146	9.1	SW846 8260B
1,1-Dichloroethene	ND	10.0	10.9	ug/L	109		SW846 8260B
	ND	10.0	10.7	ug/L	107	1.7	SW846 8260B
1,2-Dichloroethene (total)	ND	20.0	22.6	ug/L	113		SW846 8260B
	ND	20.0	22.2	ug/L	111	2.2	SW846 8260B
1,2-Dichloropropane	ND	10.0	12.7	ug/L	127		SW846 8260B
	ND	10.0	12.6	ug/L	126	1.3	SW846 8260B
Bromodichloromethane	ND	10.0	13.2	ug/L	132		SW846 8260B
	ND	10.0	12.6	ug/L	126	5.4	SW846 8260B
trans-1,3-Dichloropropene	ND	10.0	15.5	ug/L	155		SW846 8260B
	Qualifiers:		T				
	ND	10.0	14.5	ug/L	145	6.1	SW846 8260B
	Qualifiers:		T				
2-Hexanone	ND	10.0	13.1	ug/L	131		SW846 8260B
	ND	10.0	12.7	ug/L	127	3.3	SW846 8260B
Chlorobenzene	ND	10.0	11.6	ug/L	116		SW846 8260B
	ND	10.0	11.0	ug/L	110	5.6	SW846 8260B
Bromoform	ND	10.0	10.7	ug/L	107		SW846 8260B
	ND	10.0	10.4	ug/L	104	2.8	SW846 8260B
Ethylbenzene	ND	10.0	11.8	ug/L	118		SW846 8260B
	ND	10.0	11.1	ug/L	111	6.4	SW846 8260B
Styrene	ND	10.0	12.4	ug/L	124		SW846 8260B
	ND	10.0	11.8	ug/L	118	5.0	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	10.0	11.4	ug/L	114		SW846 8260B
	ND	10.0	11.2	ug/L	112	1.2	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL1009 **Work Order #...:** MA6E71AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F0L100474-002 MA6E71AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Dibromochloromethane	ND	10.0	12.6	ug/L	126		SW846 8260B
	ND	10.0	11.6	ug/L	116	8.4	SW846 8260B
Allyl chloride	ND	10.0	13.9	ug/L	139		SW846 8260B
	ND	10.0	12.7	ug/L	127	9.2	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	10.0	9.58	ug/L	96		SW846 8260B
	ND	10.0	8.68	ug/L	87	9.8	SW846 8260B
1,2-Dibromoethane	ND	10.0	12.2	ug/L	122		SW846 8260B
	ND	10.0	11.2	ug/L	112	8.2	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	10.0	14.2	ug/L	142		SW846 8260B
	ND	10.0	14.2	ug/L	142	0.42	SW846 8260B
Dichlorodifluoromethane (Freon 12)	ND	10.0	12.1	ug/L	121		SW846 8260B
	ND	10.0	11.6	ug/L	116	4.5	SW846 8260B
Ethyl methacrylate	ND	10.0	14.0	ug/L	140		SW846 8260B
	ND	10.0	12.4	ug/L	124	12	SW846 8260B
Methyl methacrylate	ND	10.0	11.7	ug/L	117		SW846 8260B
	ND	10.0	10.9	ug/L	109	6.7	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	10.0	11.7	ug/L	117		SW846 8260B
	ND	10.0	11.1	ug/L	111	5.1	SW846 8260B
Trichlorofluoromethane	ND	10.0	13.1	ug/L	131		SW846 8260B
	ND	10.0	12.3	ug/L	123	5.7	SW846 8260B
Acetonitrile	ND	50.0	50.5	ug/L	101		SW846 8260B
	ND	50.0	48.5	ug/L	97	3.9	SW846 8260B
Iodomethane	ND	10.0	22.5	ug/L	225		SW846 8260B
		Qualifiers: T					
	ND	10.0	23.4	ug/L	234	4.1	SW846 8260B
		Qualifiers: T					
Vinyl acetate	ND	10.0	14.7	ug/L	147		SW846 8260B
	ND	10.0	13.9	ug/L	139	5.7	SW846 8260B
Acrolein	ND	50.0	44.1	ug/L	88		SW846 8260B
	ND	50.0	38.7	ug/L	77	13	SW846 8260B
Isobutanol	ND	200	279	ug/L	140		SW846 8260B
	ND	200	297	ug/L	148	6.1	SW846 8260B
Methacrylonitrile	ND	50.0	68.7	ug/L	137		SW846 8260B
	ND	50.0	66.1	ug/L	132	3.9	SW846 8260B
1,4-Dioxane	ND	200	217	ug/L	108		SW846 8260B
	ND	200	273	ug/L	136	23	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL1009 Work Order #...: MA6E71AD-MS Matrix.....: WATER
MS Lot-Sample #: F0L100474-002 MA6E71AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Chloroprene	ND	10.0	13.4	ug/L	134		SW846 8260B
	ND	10.0	12.4	ug/L	124	7.7	SW846 8260B
Vinyl chloride	ND	10.0	12.6	ug/L	126		SW846 8260B
	ND	10.0	11.9	ug/L	119	5.4	SW846 8260B
Acetone	ND	10.0	13.0	ug/L	130		SW846 8260B
	ND	10.0	10.1	ug/L	101	25	SW846 8260B
Methylene chloride	15	10.0	26.0	ug/L	107		SW846 8260B
	15	10.0	25.6	ug/L	102	1.7	SW846 8260B
Carbon disulfide	ND	10.0	13.0	ug/L	130		SW846 8260B
	ND	10.0	12.5	ug/L	125	4.2	SW846 8260B
1,1-Dichloroethane	ND	10.0	12.6	ug/L	126		SW846 8260B
	ND	10.0	12.2	ug/L	122	3.4	SW846 8260B
2-Butanone	ND	10.0	10.6	ug/L	106		SW846 8260B
	ND	10.0	10.3	ug/L	103	3.5	SW846 8260B
Chloroform	ND	10.0	12.6	ug/L	126		SW846 8260B
	ND	10.0	11.7	ug/L	117	7.4	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	11.6	ug/L	116		SW846 8260B
	ND	10.0	11.3	ug/L	113	2.3	SW846 8260B
Propionitrile	ND	50.0	61.0	ug/L	122		SW846 8260B
	ND	50.0	58.3	ug/L	117	4.6	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	11.0	ug/L	110		SW846 8260B
	ND	10.0	10.8	ug/L	108	2.1	SW846 8260B
1,1,1-Trichloroethane	ND	10.0	12.7	ug/L	127		SW846 8260B
	ND	10.0	12.0	ug/L	120	5.7	SW846 8260B
Carbon tetrachloride	ND	10.0	13.2	ug/L	132		SW846 8260B
	ND	10.0	12.4	ug/L	124	6.1	SW846 8260B
1,2-Dichloroethane	ND	10.0	13.8	ug/L	138		SW846 8260B
	ND	10.0	12.8	ug/L	128	7.2	SW846 8260B
Benzene	ND	10.0	11.8	ug/L	118		SW846 8260B
	ND	10.0	11.4	ug/L	114	3.8	SW846 8260B
Trichloroethene	ND	10.0	11.0	ug/L	110		SW846 8260B
	ND	10.0	10.9	ug/L	109	1.0	SW846 8260B
4-Methyl-2-pentanone	ND	10.0	12.0	ug/L	120		SW846 8260B
	ND	10.0	11.7	ug/L	117	2.5	SW846 8260B
1,1,2-Trichloroethane	ND	10.0	11.2	ug/L	112		SW846 8260B
	ND	10.0	10.9	ug/L	109	2.6	SW846 8260B
Tetrachloroethene	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	9.60	ug/L	96	6.3	SW846 8260B
Tetrahydrofuran	ND	50.0	62.0	ug/L	124		SW846 8260B
	ND	50.0	61.1	ug/L	122	1.3	SW846 8260B
1,4-Dichlorobenzene	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	9.91	ug/L	99	3.1	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL1009 **Work Order #...:** MA6E71AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F0L100474-002 MA6E71AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1-Butanol	ND	100	152	ug/L	152		SW846 8260B
	Qualifiers:		T				
	ND	100	160	ug/L	160	5.5	SW846 8260B
	Qualifiers:		T				
Toluene	ND	10.0	11.4	ug/L	114		SW846 8260B
	ND	10.0	11.0	ug/L	110	4.0	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(70 - 127)
	95	(70 - 127)
Dibromofluoromethane	103	(71 - 128)
	100	(71 - 128)
1,2-Dichloroethane-d4	114	(65 - 128)
	107	(65 - 128)
4-Bromofluorobenzene	104	(69 - 124)
	102	(69 - 124)

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.