TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

X09-026

Lot #: F9E150340
SDG #: SL794

Mike Neely

CH2M Hill Plateau Remediation
PO Box 1600, MS B3-60
Richland, WA 99352

TESTAMERICA LABORATORIES, INC.

Michael C. Franks
Project Manager

RECEIVED
SEP 29 2011
EDMC

June 18, 2009

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CASE NARRATIVE

CH2MHill Plateau Remediation Company
P.O. Box 1600
MS B3-60
Richland, Washington 99352
June 18, 2009
Attention: Mike Neely

TestAmerica Laboratories, Inc.

SDG	: SL794
Number of Samples	: four samples
Sample Matrix	: Water
Data Deliverable	: Summary
Date SDG Closed	: May 15, 2009

II. Introduction

On May 15, 2009, four 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: X09-026

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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CH2M Hill Plateau Remediation Company
June 18, 2009
SDG: SL794

TestAmerica Laboratories, Inc.

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: 9139536

The D% CCV is (higher recovered) outside the Method criteria (greater than 20% D) for Chloroethane, indicating a potential high bias for this analyte in the samples associated with this CCV. This analyte was not detected above the reporting limit in the associated samples.
Affected Samples:
F9E150340 (1): B207V1
F9E150340 (2): B207V7
F9E150340 (3): B207W3
F9E150340 (4): B207T5

Sample surrogate recovery for Dibromofluoromethane is outside the established QC limit. This excursion is attributed to a matrix interference which is physically evident in the sample.
Affected Samples:
F9E150340 (4): B207T5

The MS/MSD recoveries for Ethyl methacrylate, Acrolein, and 2-Butanone and the MS/MSD RPDs for 1,2-Dibromo-3-chloropropane, Dichlorodifluoromethane, and Isobutanol, are outside the established QC limits. A matrix interference is physically evident in the sample. Method performance is demonstrated by acceptable LCS/LCSD recoveries.
Affected Samples:
F9E150340 (1): B207V1
F9E150340 (2): B207V7
F9E150340 (3): B207W3
F9E150340 (4): B207T5

Batch: 9146424

The samples were analyzed at dilution for Tetradydrofuran due to high concentration of target analyte. The reporting limit has been adjusted only for the target reported from the dilution run.
Affected Samples:
F9E150340 (1): B207V1
F9E150340 (2): B207V7
F9E150340 (4): B207T5

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CH2M Hill Plateau Remediation Company
June 18, 2009
SDG: SL794

TestAmerica Laboratories, Inc.

Semivolatiles

Batch: 9138064

The MS/MSD RPD for 1,4-Dichlorobenzene is not within method acceptance criteria. MS/MSD recoveries are within QC limits demonstrating good extraction performance in the sample matrix.
Affected Samples:
F9E150340 (1): B207V1
F9E150340 (2): B207V7
F9E150340 (3): B207W3
F9E150340 (4): B207T5

Pesticides

Batch: 9138484

The MS recovery for Heptachlor and Endrin aldehyde and the MSD recovery for Heptachlor are outside the upper QC limit, indicating a potential positive bias for those analytes. These analytes were not observed above the reporting limit in the associated samples; therefore the sample data was not adversely affected by this excursion. The RPD for Endrin aldehyde is outside QC limits.
Affected Samples:
F9E150340 (1): B207V1
F9E150340 (2): B207V7
F9E150340 (3): B207W3
F9E150340 (4): B207T5

The opening and/or closing CCV recovery was outside the upper QC limit (greater than 20% RSD) for Toxaphene, Heptachlor, Methoxychlor, 4,4'-DDD, and Endrin aldehyde indicating a potential high bias for those analytes in the samples associated with this CCV. These analytes were not detected above the reporting limit in the associated samples.
Affected Samples:
F9E150340 (1): B207V1
F9E150340 (2): B207V7
F9E150340 (3): B207W3

The opening and/or closing CCV recovery was outside the upper QC limit (greater than 20% RSD) for Toxaphene, Heptachlor, 4,4'-DDD, and Endrin aldehyde indicating a potential high bias for those analytes in the samples associated with this CCV. These analytes were not detected above the reporting limit in the associated samples.
Affected Samples:
F9E150340 (4): B207T5

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CH2M Hill Plateau Remediation Company

June 18, 2009
SDG: SL794

TestAmerica Laboratories, Inc.

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**

Problem and Discrepancy Report
TASL
SDG SL794

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1. The data package has the following issues:

a) Under Analytical results, TIC reports, remove M qualifiers. Improper use of the M qualifier.

Resolution: *Provide correction.*

Lab Response: **None provided**

CHPRC Response:

A review of the problem and discrepancy issue reported above was conducted on 12/21/2010. It was concluded from the review that the "M" designation in the TIC reports does not represent or replace the laboratory qualifier as defined in the Format for Analytical Data (FEAD) guidelines. Instead the "M" designation provides additional information about the makeup of the TIC result. Offered below is the definition provided in the SL794 data package for the "M" designation:

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

Since the "M" designation serves to provide additional information about the nature of the TIC data and does not replace or take the place of laboratory qualifiers as defined by FEAD, no further corrective action is required at this time.

b) The Narrative, Volatiles, misspelling of "Tetrahydrofuran". Correct the spelling.

Resolution: *Provide correction.*

Lab Response: **None provided**

CHPRC Response:

A review of the problem and discrepancy issue reported above was conducted on 12/21/2010. It was concluded from the review that the misspelling of "Tetrahydrofuran" in the case narrative is an obvious TYPO. No further corrective action is required at this time.

c) The Analytical results, pesticides, MS/MSD, Batch # 9138484, remove p qualifier.

Resolution: *Provide correction.*

Lab Response: **None provided**

Please provide a response for each issue described on the P&D form

Problem and Discrepancy Report
TASL
SDG SL794

CHPRC Response:

A review of the problem and discrepancy issue reported above was conducted on 12/21/2010. It was concluded from the review that the "p" designation included in the pesticide batch QC data does not represent or replace the laboratory qualifier as defined in the Format for Analytical Data (FEAD) guidelines. Additionally, it should also be noted that there was no definition provided in the SL794 data package for the "p" designation:

Since TASL has been directed to remove the "p" designation from all future data package reports, no further corrective action is required for SL794 at this time.

Please correct the issues and resubmit the hard copy and electronic data package.

METHODS SUMMARY

SL794

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Organochlorine Pesticides	SW846 8081A	SW846 3520C
Semivolatile Organic Compounds by GC/MS	SW846 8270C	SW846 3510C
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

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

SAMPLE SUMMARY

SL794 : F9E150340

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LC6VJ	001	B207V1	05/14/09	10:50
LC6VM	002	B207V7	05/13/09	11:56
LC6VN	003	B207W3	05/13/09	14:05
LC6VQ	004	B207T5	05/14/09	08:55

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# SL794

CHPRC CUN 66 SL794

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # X09-026-54

Page 1 of 1

Collector: RT Sickle CHPRC	Contact/Requester: Dana Widrig	Telephone No.: 509-376-2858 MSIN FAX
SAF No.: X09-026	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 2PO CHAR. SPECIAL SAMPLING MARCH 2009	~~HNF-N-506~~ 23115	Ice Chest No.: ERC-02-405 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7966 0836 4035
Protocol: SURV	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☑ No ☐
Do not combine X SAF samples with other sets. Need SDG to be stand alone.
200 Area Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B207V1		W	5/14/09	1050	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B207V1		W			3x1000-mL aG	8270_SVOA_GCMS: List-2 (17)	7/40 Days	Cool~4C
B207V1		W			2x1000-mL aG	8081_PEST_GC: List-1 (19)	7/40 Days	Cool~4C
B207V1		W			1x20-mL P	Activity Scan	6 Months	None

5/14/09 WT

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
RT Sickle CHPRC			MAY 14 2009 1500	SSU-1			MAY 14 2009 1500
SSU-1			5-14-09 1400	R.T. Sickle			5-14-09 1400
RT Sickle CHPRC			5-14-09 1430	Fed Ex			
FEDEX				Brian Daniels			5/15/09 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

P&D SUBMITTAL

DECEMBER 21, 2010

TestAmerica St. Louis REVISION 1

SDG# 81795

CHPRC

SL794

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # X09-026-64

Page 1 of 1

Collector: KB Hulse CHPRC	Contact/Requester: Dana Widrig	Telephone No.: 509-376-2858 MSIN FAX
SAF No.: X09-026	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 2PO CHAR. SPECIAL SAMPLING MARCH 2009	HNF-N-506-23 / 14	Ice Chest No.: GWS 043 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7975 9528 1108
Protocol: SURV	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☑ No ☐
Do not combine X SAF samples with other sets. Need SDG to be stand alone.
200 Area Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B207V7		W	5-13-09	1156	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B207V7		W			3x1000-mL aG	8270_SVOA_GCMS: List-2 (17)	7/40 Days	Cool~4C
B207V7		W			2x1000-mL aG	8081_PEST_GC: List-1 (19)	7/40 Days	Cool~4C
B207V7		W	5-13-09	1156	1x20-mL P	Activity Scan	6 Months	None

DRW 5-13-09

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
KB Hulse CHPRC			MAY 13 2009 1520		SSU 1		MAY 13 2009 1520
Relinquished By: SSU 1			MAY 14 2009 Date/Time 0830	Received By: RD Ellingsworth CHPRC			MAY 14 2009 Date/Time 0830
Relinquished By: RD Ellingsworth CHPRC			MAY 14 2009 Date/Time 1400	Received By: Fed EX			Date/Time
Relinquished By: Fed Ex			Date/Time	Received By: Brian Daniels			Date/Time 5/15/09 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

P&D SUBMITTAL DECEMBER 21, 2010 REVISION 1

TestAmerica St. Louis

SDG# SL794

CHPRC SL794

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # X09-026-69

Page 1 of 1

Collector: KB Hulse CHPRC	Contact/Requester: Dana Widrig	Telephone No.: 509-376-2858 MSIN FAX
SAF No.: X09-026	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 2PO CHAR. SPECIAL SAMPLING MARCH 2009	HNF-N-506-23 /14	Ice Chest No.: GWS 043 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7975 9528 1108
Protocol: SURV	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☑ No ☐
Do not combine X SAF samples with other sets. Need SDG to be stand alone.
.200 Area Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B207W3		W	5-13-09	1405	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B207W3		W			3x1000-mL aG	8270_SVOA_GCMS: List-2 (17)	7/40 Days	Cool~4C
B207W3		W			2x1000-mL aG	8081_PEST_GC: List-1 (19)	7/40 Days	Cool~4C
B207W3		W	5-13-09	1405	1x20-mL P	Activity Scan	6 Months	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
KB Hulse CHPRC	KB Hulse	KB Hulse	MAY 13 2009 1520	SSCI			MAY 13 2009 1520
SSCI			MAY 14 2009 0830	RD Ellingsworth CHPRC		RD Ellingsworth	MAY 14 2009 0830
RD Ellingsworth CHPRC		RD Ellingsworth	MAY 14 2009 1400	Fed EX			
Fed Ex				Brian Daniels		B-9	5/15/09 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

P&D SUBMITTAL DECEMBER 21, 2010 REVISION 1

TestAmerica St. Louis

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CHPRC 51794

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # X09-026-49

Page 1 of 1

Collector RT Sickle CHPRC	Contact/Requester Dana Widrig	Telephone No. 509-376-2858 MSIN FAX
SAF No. X09-026	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title 2PO CHAR SPECIAL SAMPLING MARCH 2009	HNF-N-506-23.1.15	Ice Chest No. ERC-02-405 Temp.
Shipped To (Lab) TestAmerica St. Louis	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No. 7966 0836 4035
Protocol SURV	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☑ No ☐
Do not combine X SAF samples with other sets. Need SDG to be stand alone.
200 Area Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B207T5		W	5/14/09	0855	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	14 Days	HCl or H2SO4 to pH <2 Cool~4C
B207T5		W			3x1000-mL aG	8270_SVOA_GCMS: List-2 (17)	7/40 Days	Cool~4C
B207T5		W			2x1000-mL aG	8081_PEST_GC: List-1 (19)	7/40 Days	Cool~4C
B207T5		W			1x20-mL P	Activity Scan	6 Months	None

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5/14/09

Relinquished By	Date/Time	Received By	Date/Time
RT Sickle CHPRC (Print) (Sign)	MAY 14 2009 1300	SSU-1 (Print) (Sign)	MAY 1 2009 1300
SSU-1	5-14-09 1400	RT Sickle CHPRC	5-14-09 1400
RT Sickle CHPRC	5-14-09 1430	FedEx	
FedEx		Brian Daniels	5/15/09 0915

Matrix *

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

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

P&D SUBMITTAL

DECEMBER 21, 2010

REVISION 1

TestAmerica St. Louis

SDG# S1T54

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Detailed Results

Enter tracking number

Detailed Results | Notifications

Tracking no.: 796608364035

E-n

Delivered

Initiated Picked up In transit Delivered

Delivered
Signed for by: B.DANIELS

Shipment Dates	Destination
Ship date May 14, 2009	EARTH CITY, MO
Delivery date May 15, 2009 9:32 AM	Signature Proof of Delivery

Shipment Facts

Service type	Priority Overnight	Delivered to	Shipping/Receiving
Weight	72.0 lbs/32.7 kg	Reference	ERC-02405

Shipment Travel History

Select time zone: Select

Select time form

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

Date/Time	Activity	Location	Details
May 15, 2009 9:32 AM	**Delivered**	EARTH CITY, MO	
May 15, 2009 7:18 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
May 15, 2009 7:08 AM	At local FedEx facility	EARTH CITY, MO	
May 15, 2009 4:17 AM	At dest sort facility	BERKELEY, MO	
May 15, 2009 3:20 AM	Departed FedEx location	MEMPHIS, TN	
May 15, 2009 12:43 AM	Arrived at FedEx location	MEMPHIS, TN	
May 14, 2009 5:12 PM	Left FedEx origin facility	PASCO, WA	
May 14, 2009 4:17 PM	Picked up	PASCO, WA	
May 14, 2009 3:10 PM	Shipment information sent to FedEx		

Detailed Results

Enter tracking number

Detailed Results | Notifications

Tracking no.: 797595281108 E-m

Delivered

Initiated Picked up In transit Delivered

Delivered
Signed for by: B.DANIELS

Shipment Dates	Destination
Ship date ? May 14, 2009	EARTH CITY, MO
Delivery date ? May 15, 2009 9:32 AM	Signature Proof of Delivery ?

Shipment Facts

Service type	Priority Overnight	Delivered to	Shipping/Receiving
Weight	120.0 lbs/54.4 kg	Reference	GWS 043

Shipment Travel History

Select time zone: Select Select time form

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

Date/Time	Activity	Location	Details
May 15, 2009 9:32 AM	**Delivered**	EARTH CITY, MO	
May 15, 2009 7:17 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
May 15, 2009 7:06 AM	At local FedEx facility	EARTH CITY, MO	
May 15, 2009 4:17 AM	At dest sort facility	BERKELEY, MO	
May 15, 2009 3:20 AM	Departed FedEx location	MEMPHIS, TN	
May 15, 2009 12:43 AM	Arrived at FedEx location	MEMPHIS, TN	
May 14, 2009 5:12 PM	Left FedEx origin facility	PASCO, WA	
May 14, 2009 4:17 PM	Picked up	PASCO, WA	
May 14, 2009 2:00 PM	Shipment information sent to FedEx		

P&D SUBMITTAL DECEMBER 21, 2010 REVISION 1

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): F9E150335, 339, 340

CONDITION UPON RECEIPT FORM

Client: CHPLC

Quote No: 82391, 81947, 82781

COC/RFA No: see below

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Initiated By: BN Date: 5/15/09 Time: 0830

Shipping Information

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

Shipping # (s):*		Sample Temperature (s):**	
1. 7975 9528 1100	6.	1. 2	6.
2. 7966 0836 4035	7.	2. 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: W09-003-346, S09-001-290, F09-035-120, X09-026-54, 64, 69, 49
Z09-086-020, 021, C09-007-002

* 1 vial was dropped & broke for 82071W3

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

Project Management Review: [signature] Date: 05-16-09

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SDG# 81791 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

GC/MS VOLATILES

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B207V1

GC/MS Volatiles

Lot-Sample #...: F9E150340-001 Work Order #...: LC6VJ1AE Matrix.....: WATER
Date Sampled...: 05/14/09 Date Received..: 05/15/09
Prep Date.....: 05/19/09 Analysis Date..: 05/19/09
Prep Batch #...: 9139536
Dilution Factor: 1 Method.....: SW846 8260B

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

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B207V1

GC/MS Volatiles

Lot-Sample #...: F9E150340-001 Work Order #...: LC6VJ1AE Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.42
Methylene chloride	ND	1.0	ug/L	0.10
Carbon disulfide	ND	1.0	ug/L	0.52
1,1-Dichloroethane	ND	1.0	ug/L	0.083
2-Butanone	ND T	5.0	ug/L	0.83
Chloroform	**0.14 J**	**1.0**	**ug/L**	**0.067**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.14
Propionitrile	ND	5.0	ug/L	2.1
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.081
1,1,1-Trichloroethane	ND	1.0	ug/L	0.088
Carbon tetrachloride	ND	1.0	ug/L	0.073
1,2-Dichloroethane	ND	1.0	ug/L	0.050
Benzene	ND	1.0	ug/L	0.060
Trichloroethene	ND	1.0	ug/L	0.091
4-Methyl-2-pentanone	**1.1 J**	**5.0**	**ug/L**	**0.32**
1,1,2-Trichloroethane	ND	1.0	ug/L	0.071
Tetrachloroethene	ND	1.0	ug/L	0.065
Xylenes (total)	**0.47 J**	**3.0**	**ug/L**	**0.22**
1,4-Dichlorobenzene	ND	1.0	ug/L	0.11
1-Butanol	ND	40	ug/L	8.1
Toluene	ND	1.0	ug/L	0.070

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(76 - 116)
Dibromofluoromethane	105	(82 - 123)
1,2-Dichloroethane-d4	99	(71 - 132)
4-Bromofluorobenzene	94	(74 - 120)

NOTE(S):

T Spike sample recovery is outside control limits.

J Estimated result. Result is less than RL.

CH2M Hill Plateau Remediation DOE RL

B207V1

GC/MS Volatiles

Lot-Sample #: F9E150340-001 **Work Order #:** LC6VJ1AE **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		1.8 J	M	2.837	ug/L
Unknown		1.9 J	M	9.737	ug/L
Unknown		1.9 J	M	10.095	ug/L
Cyclohexane, 1,4-dimethyl-	589-90-2	1.2 J	M	10.195	ug/L
Unknown		2.6 J	M	10.617	ug/L
Unknown		1.1 J	M	10.917	ug/L
Unknown		1.3 J	M	11.332	ug/L
Unknown		1.8 J	M	11.389	ug/L
Unknown		2.9 J	M	11.711	ug/L
Unknown		1.7 J	M	11.918	ug/L
Unknown		1.2 J	M	11.954	ug/L
Unknown		2.1 J	M	12.876	ug/L
Naphthalene, decahydro-, trans	493-02-7	2.7 J	M	13.706	ug/L

NOTE(S):

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

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B207V1

GC/MS Volatiles

Lot-Sample #...: F9E150340-001 Work Order #...: LC6VJ2AE Matrix.....: WATER
Date Sampled...: 05/14/09 Date Received..: 05/15/09
Prep Date.....: 05/21/09 Analysis Date..: 05/21/09
Prep Batch #...: 9146424
Dilution Factor: 50 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Tetrahydrofuran	2300 D	500	ug/L	380

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	101	(76 - 116)
Dibromofluoromethane	103	(82 - 123)
1,2-Dichloroethane-d4	95	(71 - 132)
4-Bromofluorobenzene	95	(74 - 120)

NOTE(S):

D Result was obtained from the analysis of a dilution.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B207V7

GC/MS Volatiles

Lot-Sample #...: F9E150340-002 Work Order #...: LC6VM1AE Matrix.....: WATER
Date Sampled...: 05/13/09 Date Received..: 05/15/09
Prep Date.....: 05/19/09 Analysis Date..: 05/19/09
Prep Batch #...: 9139536
Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	4.2
Acrolein	ND T	10	ug/L	2.6
Bromodichloromethane	ND	1.0	ug/L	0.098
Bromoform	ND	1.0	ug/L	0.15
Bromomethane	ND	2.0	ug/L	0.096
Chlorobenzene	ND	1.0	ug/L	0.060
Chloroprene	ND	1.0	ug/L	0.083
Dibromochloromethane	ND	1.0	ug/L	0.21
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.20
Chloroethane	ND	2.0	ug/L	0.085
Chloromethane	ND	2.0	ug/L	0.086
Allyl chloride	ND	2.0	ug/L	0.12
1,2-Dibromoethane	ND	1.0	ug/L	0.098
Dibromomethane	ND	1.0	ug/L	0.095
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.20
Dichlorodifluoromethane	ND	2.0	ug/L	0.058
1,1-Dichloroethene	ND	1.0	ug/L	0.11
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.21
1,2-Dichloropropane	ND	1.0	ug/L	0.054
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.099
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.23
1,4-Dioxane	ND	20	ug/L	45
Ethylbenzene	ND	1.0	ug/L	0.11
Ethyl methacrylate	ND T	1.0	ug/L	0.74
Trichlorofluoromethane	ND	1.0	ug/L	0.11
2-Hexanone	ND	5.0	ug/L	1.3
Iodomethane	ND	2.0	ug/L	0.091
Isobutanol	ND	80	ug/L	54
Methacrylonitrile	ND	5.0	ug/L	1.4
Methyl methacrylate	ND	1.0	ug/L	0.97
Styrene	ND	1.0	ug/L	0.042
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.16
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.11
1,2,3-Trichloropropane	ND	1.0	ug/L	0.23
Vinyl acetate	ND	2.0	ug/L	0.23
Vinyl chloride	3.9	2.0	ug/L	0.091

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B207V7

GC/MS Volatiles

Lot-Sample #...: F9E150340-002 **Work Order #...:** LC6VM1AE **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.80 J**	**2.0**	**ug/L**	**0.42**
Methylene chloride	ND	1.0	ug/L	0.10
Carbon disulfide	ND	1.0	ug/L	0.52
1,1-Dichloroethane	**0.093 J**	**1.0**	**ug/L**	**0.083**
2-Butanone	ND T	5.0	ug/L	0.83
Chloroform	**0.12 J**	**1.0**	**ug/L**	**0.067**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.14
Propionitrile	ND	5.0	ug/L	2.1
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.081
1,1,1-Trichloroethane	ND	1.0	ug/L	0.088
Carbon tetrachloride	ND	1.0	ug/L	0.073
1,2-Dichloroethane	ND	1.0	ug/L	0.050
Benzene	**0.069 J**	**1.0**	**ug/L**	**0.060**
Trichloroethene	ND	1.0	ug/L	0.091
4-Methyl-2-pentanone	ND	5.0	ug/L	0.32
1,1,2-Trichloroethane	ND	1.0	ug/L	0.071
Tetrachloroethene	ND	1.0	ug/L	0.065
Xylenes (total)	ND	3.0	ug/L	0.22
1,4-Dichlorobenzene	ND	1.0	ug/L	0.11
1-Butanol	ND	40	ug/L	8.1
Toluene	**0.13 J**	**1.0**	**ug/L**	**0.070**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(76 - 116)
Dibromofluoromethane	101	(82 - 123)
1,2-Dichloroethane-d4	96	(71 - 132)
4-Bromofluorobenzene	91	(74 - 120)

NOTE(S):

T Spike sample recovery is outside control limits.

J Estimated result. Result is less than RL.

CH2M Hill Plateau Remediation DOE RL

B207V7

GC/MS Volatiles

Lot-Sample #: F9E150340-002 Work Order #: LC6VM1AE 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: B207V7

GC/MS Volatiles

Lot-Sample #...: F9E150340-002 Work Order #...: LC6VM2AE Matrix.....: WATER
Date Sampled...: 05/13/09 Date Received..: 05/15/09
Prep Date.....: 05/21/09 Analysis Date..: 05/21/09
Prep Batch #...: 9146424
Dilution Factor: 5 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Tetrahydrofuran	250 D	50	ug/L	38

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(76 - 116)
Dibromofluoromethane	104	(82 - 123)
1,2-Dichloroethane-d4	97	(71 - 132)
4-Bromofluorobenzene	95	(74 - 120)

NOTE(S):

D Result was obtained from the analysis of a dilution.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B207W3

GC/MS Volatiles

Lot-Sample #...: F9E150340-003 Work Order #...: LC6VN1AE Matrix.....: WATER
Date Sampled...: 05/13/09 Date Received..: 05/15/09
Prep Date.....: 05/19/09 Analysis Date..: 05/19/09
Prep Batch #...: 9139536
Dilution Factor: 1 Method.....: SW846 8260B

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

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B207W3

GC/MS Volatiles

Lot-Sample #...: F9E150340-003 Work Order #...: LC6VN1AE Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.91 J**	**2.0**	**ug/L**	**0.42**
Methylene chloride	ND	1.0	ug/L	0.10
Carbon disulfide	ND	1.0	ug/L	0.52
1,1-Dichloroethane	ND	1.0	ug/L	0.083
2-Butanone	ND T	5.0	ug/L	0.83
Chloroform	ND	1.0	ug/L	0.067
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.14
Propionitrile	ND	5.0	ug/L	2.1
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.081
1,1,1-Trichloroethane	ND	1.0	ug/L	0.088
Carbon tetrachloride	ND	1.0	ug/L	0.073
1,2-Dichloroethane	ND	1.0	ug/L	0.050
Benzene	ND	1.0	ug/L	0.060
Trichloroethene	ND	1.0	ug/L	0.091
4-Methyl-2-pentanone	ND	5.0	ug/L	0.32
1,1,2-Trichloroethane	ND	1.0	ug/L	0.071
Tetrachloroethene	ND	1.0	ug/L	0.065
Tetrahydrofuran	ND	10	ug/L	7.5
Xylenes (total)	ND	3.0	ug/L	0.22
1,4-Dichlorobenzene	ND	1.0	ug/L	0.11
1-Butanol	ND	40	ug/L	8.1
Toluene	ND	1.0	ug/L	0.070

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	100	(76 - 116)
Dibromofluoromethane	97	(82 - 123)
1,2-Dichloroethane-d4	98	(71 - 132)
4-Bromofluorobenzene	94	(74 - 120)

NOTE(S):

T Spike sample recovery is outside control limits.

J Estimated result. Result is less than RL.

CH2M Hill Plateau Remediation DOE RL

B207W3

GC/MS Volatiles

Lot-Sample #: F9E150340-003 Work Order #: LC6VN1AE 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: B207T5

GC/MS Volatiles

Lot-Sample #...: F9E150340-004 Work Order #...: LC6VQ1AE Matrix.....: WATER
Date Sampled...: 05/14/09 Date Received..: 05/15/09
Prep Date.....: 05/19/09 Analysis Date..: 05/19/09
Prep Batch #...: 9139536
Dilution Factor: 1 Method.....: SW846 8260B

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

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B207T5

GC/MS Volatiles

Lot-Sample #...: F9E150340-004 Work Order #...: LC6VQ1AE Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**1.4 J**	**2.0**	**ug/L**	**0.42**
Methylene chloride	ND	1.0	ug/L	0.10
Carbon disulfide	ND	1.0	ug/L	0.52
1,1-Dichloroethane	ND	1.0	ug/L	0.083
2-Butanone	ND T	5.0	ug/L	0.83
Chloroform	ND	1.0	ug/L	0.067
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.14
Propionitrile	ND	5.0	ug/L	2.1
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.081
1,1,1-Trichloroethane	ND	1.0	ug/L	0.088
Carbon tetrachloride	ND	1.0	ug/L	0.073
1,2-Dichloroethane	ND	1.0	ug/L	0.050
Benzene	ND	1.0	ug/L	0.060
Trichloroethene	ND	1.0	ug/L	0.091
4-Methyl-2-pentanone	ND	5.0	ug/L	0.32
1,1,2-Trichloroethane	ND	1.0	ug/L	0.071
Tetrachloroethene	**0.19 J**	**1.0**	**ug/L**	**0.065**
Xylenes (total)	ND	3.0	ug/L	0.22
1,4-Dichlorobenzene	ND	1.0	ug/L	0.11
1-Butanol	**83**	**40**	**ug/L**	**8.1**
Toluene	**0.35 J**	**1.0**	**ug/L**	**0.070**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	100	(76 - 116)
Dibromofluoromethane	45 *	(82 - 123)
1,2-Dichloroethane-d4	100	(71 - 132)
4-Bromofluorobenzene	95	(74 - 120)

NOTE(S):

* Surrogate recovery is outside stated control limits.

T Spike sample recovery is outside control limits.

J Estimated result. Result is less than RL.

CH2M Hill Plateau Remediation DOE RL

B207T5

GC/MS Volatiles

Lot-Sample #: F9E150340-004 Work Order #: LC6VQ1AE Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
2,3-Dihydrofuran	1191-99-7	1.8 J	M	6.627	ug/L
Unknown		1.0 J	M	8.5	ug/L

NOTE(S):

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

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B207T5

GC/MS Volatiles

Lot-Sample #...: F9E150340-004 Work Order #...: LC6VQ3AE Matrix.....: WATER
Date Sampled...: 05/14/09 Date Received..: 05/15/09
Prep Date.....: 05/21/09 Analysis Date..: 05/21/09
Prep Batch #...: 9146424
Dilution Factor: 5000 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Tetrahydrofuran	140000 D	50000	ug/L	38000

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	104	(76 - 116)
Dibromofluoromethane	101	(82 - 123)
1,2-Dichloroethane-d4	94	(71 - 132)
4-Bromofluorobenzene	90	(74 - 120)

NOTE(S):

D Result was obtained from the analysis of a dilution.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL794 Work Order #...: LDC9A1AA Matrix.....: WATER
MB Lot-Sample #: F9E190000-536

Prep Date.....: 05/19/09
Analysis Date..: 05/19/09 Prep Batch #...: 9139536
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetonitrile	ND	5.0	ug/L	SW846 8260B
Acrolein	ND	10	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
Allyl chloride	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	2.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	20	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	2.0	ug/L	SW846 8260B
Isobutanol	ND	80	ug/L	SW846 8260B
Methacrylonitrile	ND	5.0	ug/L	SW846 8260B
Methyl methacrylate	ND	1.0	ug/L	SW846 8260B
Styrene	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 #...: SL794 Work Order #...: LDC9A1AA 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	98	(76 - 116)
Dibromofluoromethane	97	(82 - 123)
1,2-Dichloroethane-d4	104	(71 - 132)
4-Bromofluorobenzene	85	(74 - 120)

NOTE(S):

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

CH2M Hill Plateau Remediation DOE RL

Method Blank Report

GC/MS Volatiles

Lot-Sample #: F9E190000-536 B Work Order #: LDC9A1AA 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 #...: SL794 Work Order #...: LDP821AA Matrix.....: WATER
MB Lot-Sample #: F9E260000-424

Prep Date.....: 05/21/09
Analysis Date..: 05/21/09 Prep Batch #...: 9146424
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Tetrahydrofuran	ND	10	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(76 - 116)
Dibromofluoromethane	102	(82 - 123)
1,2-Dichloroethane-d4	94	(71 - 132)
4-Bromofluorobenzene	92	(74 - 120)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL794 Work Order #...: LDC9A1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F9E190000-536 LDC9A1AD-LCSD
Prep Date.....: 05/19/09 Analysis Date..: 05/19/09
Prep Batch #...: 9139536
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	9.53	ug/L	95		SW846 8260B
	10.0	9.72	ug/L	97	2.0	SW846 8260B
1,2-Dichloroethene (total)	20.0	20.1	ug/L	101		SW846 8260B
	20.0	20.4	ug/L	102	1.4	SW846 8260B
1,2-Dichloropropane	10.0	10.0	ug/L	100		SW846 8260B
	10.0	10.3	ug/L	103	2.6	SW846 8260B
Bromodichloromethane	10.0	9.52	ug/L	95		SW846 8260B
	10.0	9.97	ug/L	100	4.6	SW846 8260B
trans-1,3-Dichloropropene	10.0	10.1	ug/L	101		SW846 8260B
	10.0	10.3	ug/L	103	1.8	SW846 8260B
2-Hexanone	10.0	9.77	ug/L	98		SW846 8260B
	10.0	10.1	ug/L	101	3.5	SW846 8260B
Chlorobenzene	10.0	9.90	ug/L	99		SW846 8260B
	10.0	10.1	ug/L	101	1.6	SW846 8260B
Bromoform	10.0	9.68	ug/L	97		SW846 8260B
	10.0	10.3	ug/L	103	6.4	SW846 8260B
Ethylbenzene	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.5	ug/L	105	1.1	SW846 8260B
Styrene	10.0	11.2	ug/L	112		SW846 8260B
	10.0	11.4	ug/L	114	1.6	SW846 8260B
1,1,2,2-Tetrachloroethane	10.0	9.78	ug/L	98		SW846 8260B
	10.0	10.3	ug/L	103	5.4	SW846 8260B
Allyl chloride	10.0	9.37	ug/L	94		SW846 8260B
	10.0	8.97	ug/L	90	4.3	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	10.0	9.04	ug/L	90		SW846 8260B
	10.0	9.68	ug/L	97	6.8	SW846 8260B
1,2-Dibromoethane	10.0	9.94	ug/L	99		SW846 8260B
	10.0	10.2	ug/L	102	2.7	SW846 8260B
trans-1,4-Dichloro-2-butene	10.0	9.33	ug/L	93		SW846 8260B
	10.0	9.55	ug/L	96	2.3	SW846 8260B
Dichlorodifluoromethane (Freon 12)	10.0	8.06	ug/L	81		SW846 8260B
	10.0	7.72	ug/L	77	4.3	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL794 Work Order #...: LDC9A1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F9E190000-536 LDC9A1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Ethyl methacrylate	10.0	11.0	ug/L	110		SW846 8260B
	10.0	11.6	ug/L	116	5.2	SW846 8260B
Methyl methacrylate	10.0	10.2	ug/L	102		SW846 8260B
	10.0	11.1	ug/L	111	8.8	SW846 8260B
1,1,1,2-Tetrachloroethane	10.0	9.72	ug/L	97		SW846 8260B
	10.0	9.98	ug/L	100	2.6	SW846 8260B
Trichlorofluoromethane	10.0	10.1	ug/L	101		SW846 8260B
	10.0	8.93	ug/L	89	12	SW846 8260B
Acetonitrile	50.0	46.8	ug/L	94		SW846 8260B
	50.0	47.4	ug/L	95	1.2	SW846 8260B
Iodomethane	10.0	10.9	ug/L	109		SW846 8260B
	10.0	11.2	ug/L	112	2.4	SW846 8260B
Vinyl acetate	10.0	12.3	ug/L	123		SW846 8260B
	10.0	12.4	ug/L	124	0.80	SW846 8260B
Acrolein	50.0	33.0	ug/L	66		SW846 8260B
	50.0	34.0	ug/L	68	2.8	SW846 8260B
Isobutanol	200	190	ug/L	95		SW846 8260B
	200	205	ug/L	103	7.6	SW846 8260B
Methacrylonitrile	50.0	48.4	ug/L	97		SW846 8260B
	50.0	50.8	ug/L	102	4.9	SW846 8260B
1,4-Dioxane	200	185	ug/L	92		SW846 8260B
	200	191	ug/L	96	3.5	SW846 8260B
Chloroprene	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.4	ug/L	104	0.19	SW846 8260B
cis-1,3-Dichloropropene	10.0	10.5	ug/L	105		SW846 8260B
	10.0	10.7	ug/L	107	1.8	SW846 8260B
Dibromochloromethane	10.0	9.82	ug/L	98		SW846 8260B
	10.0	10.2	ug/L	102	4.1	SW846 8260B
Chloromethane	10.0	9.80	ug/L	98		SW846 8260B
	10.0	9.23	ug/L	92	5.9	SW846 8260B
Bromomethane	10.0	9.44	ug/L	94		SW846 8260B
	10.0	8.43	ug/L	84	11	SW846 8260B
Chloroethane	10.0	6.40	ug/L	64		SW846 8260B
	10.0	5.82	ug/L	58	9.6	SW846 8260B
Vinyl chloride	10.0	9.79	ug/L	98		SW846 8260B
	10.0	8.74	ug/L	87	11	SW846 8260B
Acetone	10.0	8.00	ug/L	80		SW846 8260B
	10.0	8.49	ug/L	85	6.0	SW846 8260B
Methylene chloride	10.0	12.6	ug/L	126		SW846 8260B
	10.0	13.0	ug/L	130	3.0	SW846 8260B
Carbon disulfide	10.0	9.53	ug/L	95		SW846 8260B
	10.0	9.42	ug/L	94	1.2	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL794 Work Order #...: LDC9A1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F9E190000-536 LDC9A1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethane	10.0	9.79	ug/L	98		SW846 8260B
	10.0	9.83	ug/L	98	0.41	SW846 8260B
2-Butanone	10.0	8.06	ug/L	81		SW846 8260B
	10.0	8.21	ug/L	82	1.9	SW846 8260B
Chloroform	10.0	9.73	ug/L	97		SW846 8260B
	10.0	10.2	ug/L	102	5.0	SW846 8260B
cis-1,2-Dichloroethene	10.0	10.3	ug/L	103		SW846 8260B
	10.0	10.5	ug/L	105	1.7	SW846 8260B
Propionitrile	50.0	46.6	ug/L	93		SW846 8260B
	50.0	44.4	ug/L	89	4.8	SW846 8260B
trans-1,2-Dichloroethene	10.0	9.85	ug/L	98		SW846 8260B
	10.0	9.93	ug/L	99	0.88	SW846 8260B
1,1,1-Trichloroethane	10.0	10.1	ug/L	101		SW846 8260B
	10.0	9.80	ug/L	98	3.2	SW846 8260B
Carbon tetrachloride	10.0	10.0	ug/L	100		SW846 8260B
	10.0	10.0	ug/L	100	0.39	SW846 8260B
1,2-Dichloroethane	10.0	9.32	ug/L	93		SW846 8260B
	10.0	9.42	ug/L	94	1.1	SW846 8260B
Benzene	10.0	10.0	ug/L	100		SW846 8260B
	10.0	10.1	ug/L	101	0.79	SW846 8260B
Trichloroethene	10.0	10.5	ug/L	105		SW846 8260B
	10.0	10.4	ug/L	104	1.0	SW846 8260B
4-Methyl-2-pentanone	10.0	9.58	ug/L	96		SW846 8260B
	10.0	9.81	ug/L	98	2.3	SW846 8260B
1,1,2-Trichloroethane	10.0	9.32	ug/L	93		SW846 8260B
	10.0	9.58	ug/L	96	2.8	SW846 8260B
Tetrachloroethene	10.0	9.45	ug/L	94		SW846 8260B
	10.0	9.45	ug/L	94	0.0	SW846 8260B
Tetrahydrofuran	50.0	46.6	ug/L	93		SW846 8260B
	50.0	51.7	ug/L	103	10	SW846 8260B
1,4-Dichlorobenzene	10.0	9.43	ug/L	94		SW846 8260B
	10.0	9.63	ug/L	96	2.1	SW846 8260B
1-Butanol	100	87.0	ug/L	87		SW846 8260B
	100	81.5	ug/L	82	6.5	SW846 8260B
Toluene	10.0	9.98	ug/L	100		SW846 8260B
	10.0	10.1	ug/L	101	1.0	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(82 - 118)
	98	(82 - 118)
Dibromofluoromethane	95	(78 - 121)
	97	(78 - 121)
1,2-Dichloroethane-d4	89	(63 - 131)
	92	(63 - 131)

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL794 **Work Order #...:** LDC9A1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F9E190000-536 LDC9A1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	91	(74 - 122)
	95	(74 - 122)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL794 **Work Order #...:** LDP821AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F9E260000-424 LDP821AD-LCSD
Prep Date.....: 05/21/09 **Analysis Date..:** 05/21/09
Prep Batch #...: 9146424
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Tetrahydrofuran	**50.0**	**52.6**	**ug/L**	**105**		**SW846 8260B**
	50.0	**54.1**	**ug/L**	**108**	**2.7**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(82 - 118)
	99	(82 - 118)
Dibromofluoromethane	93	(78 - 121)
	95	(78 - 121)
1,2-Dichloroethane-d4	81	(63 - 131)
	83	(63 - 131)
4-Bromofluorobenzene	89	(74 - 122)
	90	(74 - 122)

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 #...: SL794 Work Order #...: LC6VJ1AH-MS Matrix.....: WATER
MS Lot-Sample #: F9E150340-001 LC6VJ1AJ-MSD
Date Sampled...: 05/14/09 Date Received..: 05/15/09
Prep Date.....: 05/19/09 Analysis Date..: 05/19/09
Prep Batch #...: 9139536
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
cis-1,3-Dichloropropene	ND	10.0	9.51	ug/L	95		SW846 8260B
	ND	10.0	10.5	ug/L	105	10	SW846 8260B
Chloromethane	0.091	10.0	8.96	ug/L	89		SW846 8260B
	0.091	10.0	9.84	ug/L	98	9.4	SW846 8260B
Bromomethane	ND	10.0	6.94	ug/L	69		SW846 8260B
	ND	10.0	7.74	ug/L	77	11	SW846 8260B
Chloroethane	ND	10.0	8.95	ug/L	89		SW846 8260B
	ND	10.0	9.44	ug/L	94	5.3	SW846 8260B
1,1-Dichloroethene	ND	10.0	7.63	ug/L	76		SW846 8260B
	ND	10.0	8.18	ug/L	82	7.0	SW846 8260B
1,2-Dichloroethene (total)	ND	20.0	17.2	ug/L	86		SW846 8260B
	ND	20.0	18.0	ug/L	90	4.4	SW846 8260B
1,2-Dichloropropane	ND	10.0	9.58	ug/L	96		SW846 8260B
	ND	10.0	10.4	ug/L	104	8.3	SW846 8260B
Bromodichloromethane	ND	10.0	9.12	ug/L	91		SW846 8260B
	ND	10.0	9.98	ug/L	100	9.0	SW846 8260B
trans-1,3-Dichloropropene	ND	10.0	8.85	ug/L	89		SW846 8260B
	ND	10.0	9.61	ug/L	96	8.2	SW846 8260B
2-Hexanone	ND	10.0	9.93	ug/L	99		SW846 8260B
	ND	10.0	11.2	ug/L	112	12	SW846 8260B
Chlorobenzene	ND	10.0	8.87	ug/L	89		SW846 8260B
	ND	10.0	9.59	ug/L	96	7.8	SW846 8260B
Bromoform	ND	10.0	8.20	ug/L	82		SW846 8260B
	ND	10.0	9.44	ug/L	94	14	SW846 8260B
Ethylbenzene	ND	10.0	9.25	ug/L	92		SW846 8260B
	ND	10.0	10.0	ug/L	100	7.8	SW846 8260B
Styrene	ND	10.0	10.0	ug/L	100		SW846 8260B
	ND	10.0	11.0	ug/L	110	9.6	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	10.0	8.85	ug/L	88		SW846 8260B
	ND	10.0	10.2	ug/L	102	15	SW846 8260B
Dibromochloromethane	ND	10.0	9.04	ug/L	90		SW846 8260B
	ND	10.0	10.0	ug/L	100	10	SW846 8260B
Allyl chloride	ND	10.0	7.50	ug/L	75		SW846 8260B
	ND	10.0	7.83	ug/L	78	4.3	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	10.0	8.26	ug/L	83		SW846 8260B
	ND	10.0	10.2	ug/L	102	21	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL794 Work Order #...: LC6VJ1AH-MS Matrix.....: WATER
MS Lot-Sample #: F9E150340-001 LC6VJ1AJ-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,2-Dibromoethane	ND	10.0	8.74	ug/L	87		SW846 8260B
	ND	10.0	9.91	ug/L	99	13	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	10.0	9.86	ug/L	99		SW846 8260B
	ND	10.0	11.1	ug/L	111	12	SW846 8260B
Dichlorodifluoromethane (Freon 12)	ND	10.0	7.10	ug/L	71		SW846 8260B
	ND	10.0	8.84	ug/L	88	22	SW846 8260B
Ethyl methacrylate	ND	10.0	13.9	ug/L	139		SW846 8260B
		Qualifiers:	T				
	ND	10.0	15.9	ug/L	159	13	SW846 8260B
		Qualifiers:	T				
Methyl methacrylate	ND	10.0	9.83	ug/L	98		SW846 8260B
	ND	10.0	11.1	ug/L	111	12	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	10.0	8.80	ug/L	88		SW846 8260B
	ND	10.0	9.76	ug/L	98	10	SW846 8260B
Trichlorofluoromethane	ND	10.0	8.73	ug/L	87		SW846 8260B
	ND	10.0	9.71	ug/L	97	11	SW846 8260B
Acetonitrile	ND	50.0	41.3	ug/L	83		SW846 8260B
	ND	50.0	47.1	ug/L	94	13	SW846 8260B
Iodomethane	ND	10.0	7.54	ug/L	75		SW846 8260B
	ND	10.0	8.14	ug/L	81	7.6	SW846 8260B
Vinyl acetate	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	11.6	ug/L	116	12	SW846 8260B
Acrolein	ND	50.0	22.9	ug/L	46 T		SW846 8260B
	ND	50.0	23.5	ug/L	47 T	2.3	SW846 8260B
Isobutanol	ND	200	192	ug/L	96		SW846 8260B
	ND	200	245	ug/L	122	24	SW846 8260B
Methacrylonitrile	ND	50.0	47.5	ug/L	95		SW846 8260B
	ND	50.0	52.4	ug/L	105	9.8	SW846 8260B
1,4-Dioxane	ND	200	179	ug/L	89		SW846 8260B
	ND	200	203	ug/L	102	13	SW846 8260B
Chloroprene	ND	10.0	9.28	ug/L	93		SW846 8260B
	ND	10.0	10.1	ug/L	101	8.9	SW846 8260B
Vinyl chloride	ND	10.0	8.86	ug/L	89		SW846 8260B
	ND	10.0	9.72	ug/L	97	9.2	SW846 8260B
Acetone	ND	10.0	8.77	ug/L	88		SW846 8260B
	ND	10.0	8.42	ug/L	84	4.1	SW846 8260B
Methylene chloride	ND	10.0	9.36	ug/L	94		SW846 8260B
	ND	10.0	8.34	ug/L	83	12	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL794 Work Order #...: LC6VJ1AH-MS Matrix.....: WATER
MS Lot-Sample #: F9E150340-001 LC6VJ1AJ-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Carbon disulfide	ND	10.0	7.50	ug/L	75		SW846 8260B
	ND	10.0	7.97	ug/L	80	6.1	SW846 8260B
1,1-Dichloroethane	ND	10.0	9.13	ug/L	91		SW846 8260B
	ND	10.0	9.90	ug/L	99	8.1	SW846 8260B
2-Butanone	ND	10.0	22.5	ug/L	225		SW846 8260B
	Qualifiers: T						
	ND	10.0	24.7	ug/L	247	9.7	SW846 8260B
	Qualifiers: T						
Chloroform	0.14	10.0	9.39	ug/L	92		SW846 8260B
	0.14	10.0	10.1	ug/L	99	7.1	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	9.01	ug/L	90		SW846 8260B
	ND	10.0	9.87	ug/L	99	9.1	SW846 8260B
Propionitrile	ND	50.0	44.6	ug/L	89		SW846 8260B
	ND	50.0	47.1	ug/L	94	5.5	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	8.18	ug/L	82		SW846 8260B
	ND	10.0	8.09	ug/L	81	1.1	SW846 8260B
1,1,1-Trichloroethane	ND	10.0	9.31	ug/L	93		SW846 8260B
	ND	10.0	10.2	ug/L	102	9.0	SW846 8260B
Carbon tetrachloride	ND	10.0	9.13	ug/L	91		SW846 8260B
	ND	10.0	9.81	ug/L	98	7.2	SW846 8260B
1,2-Dichloroethane	ND	10.0	8.75	ug/L	87		SW846 8260B
	ND	10.0	9.53	ug/L	95	8.5	SW846 8260B
Benzene	ND	10.0	9.38	ug/L	94		SW846 8260B
	ND	10.0	10.1	ug/L	101	7.8	SW846 8260B
Trichloroethene	ND	10.0	9.61	ug/L	96		SW846 8260B
	ND	10.0	10.2	ug/L	102	6.5	SW846 8260B
4-Methyl-2-pentanone	1.1	10.0	10.1	ug/L	90		SW846 8260B
	1.1	10.0	11.3	ug/L	102	11	SW846 8260B
1,1,2-Trichloroethane	ND	10.0	11.0	ug/L	110		SW846 8260B
	ND	10.0	12.0	ug/L	120	8.3	SW846 8260B
Tetrachloroethene	ND	10.0	8.24	ug/L	82		SW846 8260B
	ND	10.0	8.89	ug/L	89	7.6	SW846 8260B
1,4-Dichlorobenzene	ND	10.0	8.17	ug/L	82		SW846 8260B
	ND	10.0	9.07	ug/L	91	10	SW846 8260B
1-Butanol	ND	100	96.9	ug/L	97		SW846 8260B
	ND	100	105	ug/L	105	8.4	SW846 8260B
Toluene	ND	10.0	8.94	ug/L	89		SW846 8260B
	ND	10.0	9.65	ug/L	97	7.7	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	96	(76 - 116)
	97	(76 - 116)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL794 Work Order #...: LC6VJ1AH-MS Matrix.....: WATER
MS Lot-Sample #: F9E150340-001 LC6VJ1AJ-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(82 - 123)
	106	(82 - 123)
1,2-Dichloroethane-d4	97	(71 - 132)
	98	(71 - 132)
4-Bromofluorobenzene	89	(74 - 120)
	92	(74 - 120)

NOTE(S):

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

Bold print denotes control parameters

T Spike sample recovery is outside control limits.

GC/MS SEMIVOLATILES

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B207V1

GC/MS Semivolatiles

Lot-Sample #...: F9E150340-001 Work Order #...: LC6VJ1AD Matrix.....: WATER
Date Sampled...: 05/14/09 Date Received..: 05/15/09
Prep Date.....: 05/18/09 Analysis Date..: 05/27/09
Prep Batch #...: 9138064
Dilution Factor: 1 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
3-Methylphenol & 4-Methylphenol	ND	20	ug/L	2.0
1,4-Dioxane	ND	10	ug/L	5.0
2-Picoline	ND	20	ug/L	1.0
Phenol	ND	10	ug/L	2.0
1,4-Dichlorobenzene	ND	10	ug/L	1.0
2-Methylphenol	ND	10	ug/L	2.0
Nitrobenzene	ND	10	ug/L	1.0
2-Nitrophenol	ND	10	ug/L	1.0
2,4-Dichlorophenol	ND	10	ug/L	1.0
Naphthalene	ND	10	ug/L	1.0
2,4-Dinitrophenol	ND	50	ug/L	2.0
Dimethoate	ND	20	ug/L	1.0
Pentachlorophenol	ND	50	ug/L	2.0
bis(2-Ethylhexyl) phthalate	**2.8 J**	**10**	**ug/L**	**1.0**
Benzothiazole	ND	10	ug/L	1.1
Tributyl phosphate	ND	10	ug/L	1.0
Tris(2-chloroethyl)phosphate	ND	10	ug/L	1.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	40	(19 - 75)
Phenol-d5	25	(10 - 59)
Nitrobenzene-d5	69	(40 - 96)
2-Fluorobiphenyl	66	(33 - 99)
2,4,6-Tribromophenol	86	(48 - 101)
Terphenyl-d14	69	(42 - 105)

NOTE(S):

J Estimated result. Result is less than RL.

CH2M Hill Plateau Remediation DOE RL

B207V1

GC/MS Semivolatiles

Lot-Sample #: F9E150340-001 **Work Order #:** LC6VJ1AD **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown aldol condensate		44 J	M	4.0311	ug/L
1-Hexanol, 2-ethyl-	104-76-7	7.5 J	M	5.2827	ug/L
Unknown organic acid		10 J	M	9.1337	ug/L

NOTE(S):

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

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B207V7

GC/MS Semivolatiles

Lot-Sample #...: F9E150340-002 Work Order #...: LC6VM1AD Matrix.....: WATER
Date Sampled...: 05/13/09 Date Received..: 05/15/09
Prep Date.....: 05/18/09 Analysis Date..: 05/27/09
Prep Batch #...: 9138064
Dilution Factor: 1 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
3-Methylphenol & 4-Methylphenol	ND	20	ug/L	2.0
1,4-Dioxane	ND	10	ug/L	5.0
2-Picoline	ND	20	ug/L	1.0
Phenol	ND	10	ug/L	2.0
1,4-Dichlorobenzene	ND	10	ug/L	1.0
2-Methylphenol	ND	10	ug/L	2.0
Nitrobenzene	ND	10	ug/L	1.0
2-Nitrophenol	ND	10	ug/L	1.0
2,4-Dichlorophenol	ND	10	ug/L	1.0
Naphthalene	ND	10	ug/L	1.0
2,4-Dinitrophenol	ND	50	ug/L	2.0
Dimethoate	ND	20	ug/L	1.0
Pentachlorophenol	ND	50	ug/L	2.0
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	1.0
Benzothiazole	ND	10	ug/L	1.1
Tributyl phosphate	ND	10	ug/L	1.0
Tris(2-chloroethyl)phosphate	ND	10	ug/L	1.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	39	(19 - 75)
Phenol-d5	25	(10 - 59)
Nitrobenzene-d5	66	(40 - 96)
2-Fluorobiphenyl	63	(33 - 99)
2,4,6-Tribromophenol	80	(48 - 101)
Terphenyl-d14	73	(42 - 105)

CH2M Hill Plateau Remediation DOE RL

B207V7

GC/MS Semivolatiles

Lot-Sample #: F9E150340-002 Work Order #: LC6VM1AD Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		10 J	M	3.5388	ug/L
Unknown aldol condensate		260 J	M	4.0469	ug/L

NOTE(S):

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

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B207W3

GC/MS Semivolatiles

Lot-Sample #...: F9E150340-003 Work Order #...: LC6VN1AD Matrix.....: WATER
Date Sampled...: 05/13/09 Date Received..: 05/15/09
Prep Date.....: 05/18/09 Analysis Date..: 05/27/09
Prep Batch #...: 9138064
Dilution Factor: 1 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
3-Methylphenol & 4-Methylphenol	ND	20	ug/L	2.0
1,4-Dioxane	ND	10	ug/L	5.0
2-Picoline	ND	20	ug/L	1.0
Phenol	ND	10	ug/L	2.0
1,4-Dichlorobenzene	ND	10	ug/L	1.0
2-Methylphenol	ND	10	ug/L	2.0
Nitrobenzene	ND	10	ug/L	1.0
2-Nitrophenol	ND	10	ug/L	1.0
2,4-Dichlorophenol	ND	10	ug/L	1.0
Naphthalene	ND	10	ug/L	1.0
2,4-Dinitrophenol	ND	50	ug/L	2.0
Dimethoate	ND	20	ug/L	1.0
Pentachlorophenol	ND	50	ug/L	2.0
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	1.0
Benzothiazole	ND	10	ug/L	1.1
Tributyl phosphate	ND	10	ug/L	1.0
Tris(2-chloroethyl)phosphate	ND	10	ug/L	1.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	40	(19 - 75)
Phenol-d5	25	(10 - 59)
Nitrobenzene-d5	69	(40 - 96)
2-Fluorobiphenyl	68	(33 - 99)
2,4,6-Tribromophenol	79	(48 - 101)
Terphenyl-d14	69	(42 - 105)

CH2M Hill Plateau Remediation DOE RL

B207W3

GC/MS Semivolatiles

Lot-Sample #: F9E150340-003 Work Order #: LC6VN1AD Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		13 J	M	3.5442	ug/L
Unknown aldol condensate		310 J	M	4.0523	ug/L

NOTE(S):

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

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B207T5

GC/MS Semivolatiles

Lot-Sample #...: F9E150340-004 Work Order #...: LC6VQ1AD Matrix.....: WATER
Date Sampled...: 05/14/09 Date Received..: 05/15/09
Prep Date.....: 05/18/09 Analysis Date..: 05/27/09
Prep Batch #...: 9138064
Dilution Factor: 1 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
3-Methylphenol & 4-Methylphenol	ND	20	ug/L	2.0
1,4-Dioxane	ND	10	ug/L	5.0
2-Picoline	ND	20	ug/L	1.0
Phenol	ND	10	ug/L	2.0
1,4-Dichlorobenzene	ND	10	ug/L	1.0
2-Methylphenol	ND	10	ug/L	2.0
Nitrobenzene	ND	10	ug/L	1.0
2-Nitrophenol	ND	10	ug/L	1.0
2,4-Dichlorophenol	ND	10	ug/L	1.0
Naphthalene	ND	10	ug/L	1.0
2,4-Dinitrophenol	ND	50	ug/L	2.0
Dimethoate	ND	20	ug/L	1.0
Pentachlorophenol	ND	50	ug/L	2.0
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	1.0
Benzothiazole	ND	10	ug/L	1.1
Tributyl phosphate	ND	10	ug/L	1.0
Tris(2-chloroethyl)phosphate	ND	10	ug/L	1.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	25	(19 - 75)
Phenol-d5	17	(10 - 59)
Nitrobenzene-d5	44	(40 - 96)
2-Fluorobiphenyl	46	(33 - 99)
2,4,6-Tribromophenol	73	(48 - 101)
Terphenyl-d14	62	(42 - 105)

CH2M Hill Plateau Remediation DOE RL

B207T5

GC/MS Semivolatiles

Lot-Sample #: F9E150340-004 Work Order #: LC6VQ1AD Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		4.0 J	M	3.5495	ug/L
Unknown aldol condensate		480 J	M	4.0576	ug/L

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: SL794 Work Order #...: LC9KX1AA Matrix.....: WATER
MB Lot-Sample #: F9E180000-064

Prep Date.....: 05/18/09
Analysis Date..: 05/26/09 Prep Batch #...: 9138064
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,4-Dioxane	ND	10	ug/L	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	20	ug/L	SW846 8270C
2-Picoline	ND	20	ug/L	SW846 8270C
Phenol	ND	10	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270C
Dimethoate	ND	20	ug/L	SW846 8270C
Pentachlorophenol	ND	50	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
Benzothiazole	ND	10	ug/L	SW846 8270C
Tributyl phosphate	ND	10	ug/L	SW846 8270C
Tris(2-chloroethyl)phosph	ND	10	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	32	(19 - 75)
Phenol-d5	22	(10 - 59)
Nitrobenzene-d5	53	(40 - 96)
2-Fluorobiphenyl	47	(33 - 99)
2,4,6-Tribromophenol	72	(48 - 101)
Terphenyl-d14	68	(42 - 105)

NOTE(S):

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

CH2M Hill Plateau Remediation DOE RL

Method Blank Report

GC/MS Semivolatiles

Lot-Sample #: F9E180000-064 B **Work Order #:** LC9KX1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		9.6 J	M	3.55	ug/L
Unknown Aldol Condensate		13 J	M	4.036	ug/L

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: SL794 Work Order #...: LC9KX1AC Matrix.....: WATER
LCS Lot-Sample#: F9E180000-064
Prep Date.....: 05/18/09 Analysis Date..: 05/26/09
Prep Batch #...: 9138064
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
3-Methylphenol & 4-Methylphenol	100	55.5	ug/L	56	SW846 8270C
Phenol	100	27.9	ug/L	28	SW846 8270C
1,4-Dichlorobenzene	100	45.8	ug/L	46	SW846 8270C
2-Methylphenol	100	51.6	ug/L	52	SW846 8270C
Nitrobenzene	100	62.1	ug/L	62	SW846 8270C
2-Nitrophenol	100	68.0	ug/L	68	SW846 8270C
2,4-Dichlorophenol	100	67.2	ug/L	67	SW846 8270C
Naphthalene	100	54.1	ug/L	54	SW846 8270C
2,4-Dinitrophenol	100	55.7	ug/L	56	SW846 8270C
Pentachlorophenol	100	63.7	ug/L	64	SW846 8270C
bis(2-Ethylhexyl) phthalate	100	73.3	ug/L	73	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	43	(28 - 64)
Phenol-d5	29	(19 - 44)
Nitrobenzene-d5	65	(37 - 98)
2-Fluorobiphenyl	58	(26 - 99)
2,4,6-Tribromophenol	84	(46 - 102)
Terphenyl-d14	78	(41 - 105)

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 Semivolatiles

Client Lot #...: SL794 Work Order #...: LC6VM1AF-MS Matrix.....: WATER
MS Lot-Sample #: F9E150340-002 LC6VM1AG-MSD
Date Sampled...: 05/13/09 Date Received..: 05/15/09
Prep Date.....: 05/18/09 Analysis Date..: 05/27/09
Prep Batch #...: 9138064
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
3-Methylphenol & 4-Methylphenol	ND	94.7	55.6	ug/L	59		SW846 8270C
	ND	94.7	48.0	ug/L	51	15	SW846 8270C
Phenol	ND	94.7	26.6	ug/L	28		SW846 8270C
	ND	94.7	22.6	ug/L	24	16	SW846 8270C
1,4-Dichlorobenzene	ND	94.7	48.3	ug/L	51		SW846 8270C
	ND	94.7	38.0	ug/L	40	24	SW846 8270C
2-Methylphenol	ND	94.7	52.3	ug/L	55		SW846 8270C
	ND	94.7	45.1	ug/L	48	15	SW846 8270C
Nitrobenzene	ND	94.7	63.3	ug/L	67		SW846 8270C
	ND	94.7	53.0	ug/L	56	18	SW846 8270C
2-Nitrophenol	ND	94.7	69.2	ug/L	73		SW846 8270C
	ND	94.7	59.0	ug/L	62	16	SW846 8270C
2,4-Dichlorophenol	ND	94.7	68.9	ug/L	73		SW846 8270C
	ND	94.7	61.1	ug/L	65	12	SW846 8270C
Naphthalene	ND	94.7	57.1	ug/L	60		SW846 8270C
	ND	94.7	49.0	ug/L	52	15	SW846 8270C
2,4-Dinitrophenol	ND	94.7	60.0	ug/L	63		SW846 8270C
	ND	94.7	56.2	ug/L	59	6.6	SW846 8270C
Pentachlorophenol	ND	94.7	62.4	ug/L	66		SW846 8270C
	ND	94.7	61.6	ug/L	65	1.4	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	94.7	70.7	ug/L	75		SW846 8270C
	ND	94.7	69.7	ug/L	74	1.4	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	44	(19 - 75)
	36	(19 - 75)
Phenol-d5	29	(10 - 59)
	24	(10 - 59)
Nitrobenzene-d5	71	(40 - 96)
	59	(40 - 96)
2-Fluorobiphenyl	71	(33 - 99)
	63	(33 - 99)
2,4,6-Tribromophenol	88	(48 - 101)
	85	(48 - 101)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: SL794 Work Order #...: LC6VM1AF-MS Matrix.....: WATER
MS Lot-Sample #: F9E150340-002 LC6VM1AG-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	73	(42 - 105)
	68	(42 - 105)

NOTE(S):

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

Bold print denotes control parameters

PESTICIDES

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B207V1

GC Semivolatiles

Lot-Sample #...: F9E150340-001 Work Order #...: LC6VJ1AC Matrix.....: WATER
Date Sampled...: 05/14/09 Date Received..: 05/15/09
Prep Date.....: 05/18/09 Analysis Date..: 06/12/09
Prep Batch #...: 9138484
Dilution Factor: 1 Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.050	ug/L	0.0040
4,4'-DDD	ND	0.050	ug/L	0.0038
4,4'-DDE	ND	0.050	ug/L	0.0027
4,4'-DDT	ND	0.050	ug/L	0.0056
Endosulfan I	ND	0.050	ug/L	0.0025
Endosulfan II	ND	0.050	ug/L	0.010
gamma-BHC (Lindane)	ND	0.050	ug/L	0.0025
alpha-BHC	ND	0.050	ug/L	0.0025
beta-BHC	ND	0.050	ug/L	0.013
Endrin	ND	0.050	ug/L	0.0028
delta-BHC	ND	0.050	ug/L	0.0060
Heptachlor	ND N	0.050	ug/L	0.0025
Heptachlor epoxide	ND	0.050	ug/L	0.0032
Methoxychlor	ND	0.10	ug/L	0.0050
Chlordane (technical)	ND	0.50	ug/L	0.18
Dieldrin	ND	0.050	ug/L	0.0023
Endosulfan sulfate	ND	0.050	ug/L	0.017
Endrin aldehyde	ND N	0.050	ug/L	0.0032
Toxaphene	ND	2.0	ug/L	0.33

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	106	(81 - 133)
Decachlorobiphenyl	93	(76 - 137)

NOTE(S):

N Spiked analyte recovery is outside stated control limits.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B207V7

GC Semivolatiles

Lot-Sample #...: F9E150340-002 Work Order #...: LC6VM1AC Matrix.....: WATER
Date Sampled...: 05/13/09 Date Received..: 05/15/09
Prep Date.....: 05/18/09 Analysis Date..: 06/12/09
Prep Batch #...: 9138484
Dilution Factor: 1 Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.050	ug/L	0.0040
4,4'-DDD	ND	0.050	ug/L	0.0038
4,4'-DDE	ND	0.050	ug/L	0.0027
4,4'-DDT	ND	0.050	ug/L	0.0056
Endosulfan I	ND	0.050	ug/L	0.0025
Endosulfan II	ND	0.050	ug/L	0.010
gamma-BHC (Lindane)	ND	0.050	ug/L	0.0025
alpha-BHC	ND	0.050	ug/L	0.0025
beta-BHC	ND	0.050	ug/L	0.013
Endrin	ND	0.050	ug/L	0.0028
delta-BHC	ND	0.050	ug/L	0.0060
Heptachlor	ND N	0.050	ug/L	0.0025
Heptachlor epoxide	ND	0.050	ug/L	0.0032
Methoxychlor	ND	0.10	ug/L	0.0050
Chlordane (technical)	ND	0.50	ug/L	0.18
Dieldrin	ND	0.050	ug/L	0.0023
Endosulfan sulfate	ND	0.050	ug/L	0.017
Endrin aldehyde	ND N	0.050	ug/L	0.0032
Toxaphene	ND	2.0	ug/L	0.33

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	96	(81 - 133)
Decachlorobiphenyl	90	(76 - 137)

NOTE(S):

N Spiked analyte recovery is outside stated control limits.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B207W3

GC Semivolatiles

Lot-Sample #...: F9E150340-003 Work Order #...: LC6VN1AC Matrix.....: WATER
Date Sampled...: 05/13/09 Date Received..: 05/15/09
Prep Date.....: 05/18/09 Analysis Date..: 06/12/09
Prep Batch #...: 9138484
Dilution Factor: 1 Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.050	ug/L	0.0040
4,4'-DDD	ND	0.050	ug/L	0.0038
4,4'-DDE	ND	0.050	ug/L	0.0027
4,4'-DDT	ND	0.050	ug/L	0.0056
Endosulfan I	ND	0.050	ug/L	0.0025
Endosulfan II	ND	0.050	ug/L	0.010
gamma-BHC (Lindane)	ND	0.050	ug/L	0.0025
alpha-BHC	ND	0.050	ug/L	0.0025
beta-BHC	ND	0.050	ug/L	0.013
Endrin	ND	0.050	ug/L	0.0028
delta-BHC	ND	0.050	ug/L	0.0060
Heptachlor	ND N	0.050	ug/L	0.0025
Heptachlor epoxide	ND	0.050	ug/L	0.0032
Methoxychlor	ND	0.10	ug/L	0.0050
Chlordane (technical)	ND	0.50	ug/L	0.18
Dieldrin	ND	0.050	ug/L	0.0023
Endosulfan sulfate	ND	0.050	ug/L	0.017
Endrin aldehyde	ND N	0.050	ug/L	0.0032
Toxaphene	ND	2.0	ug/L	0.33

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	96	(81 - 133)
Decachlorobiphenyl	94	(76 - 137)

NOTE(S):

N Spiked analyte recovery is outside stated control limits.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B207T5

GC Semivolatiles

Lot-Sample #...: F9E150340-004 Work Order #...: LC6VQ1AC Matrix.....: WATER
Date Sampled...: 05/14/09 Date Received..: 05/15/09
Prep Date.....: 05/18/09 Analysis Date..: 06/12/09
Prep Batch #...: 9138484
Dilution Factor: 1 Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.050	ug/L	0.0040
4,4'-DDD	ND	0.050	ug/L	0.0038
4,4'-DDE	ND	0.050	ug/L	0.0027
4,4'-DDT	ND	0.050	ug/L	0.0056
Endosulfan I	ND	0.050	ug/L	0.0025
Endosulfan II	ND	0.050	ug/L	0.010
gamma-BHC (Lindane)	ND	0.050	ug/L	0.0025
alpha-BHC	ND	0.050	ug/L	0.0025
beta-BHC	ND	0.050	ug/L	0.013
Endrin	ND	0.050	ug/L	0.0028
delta-BHC	ND	0.050	ug/L	0.0060
Heptachlor	ND N	0.050	ug/L	0.0025
Heptachlor epoxide	ND	0.050	ug/L	0.0032
Methoxychlor	ND	0.10	ug/L	0.0050
Chlordane (technical)	ND	0.50	ug/L	0.18
Dieldrin	ND	0.050	ug/L	0.0023
Endosulfan sulfate	ND	0.050	ug/L	0.017
Endrin aldehyde	ND N	0.050	ug/L	0.0032
Toxaphene	ND	2.0	ug/L	0.33

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	88	(81 - 133)
Decachlorobiphenyl	92	(76 - 137)

NOTE(S):

N Spiked analyte recovery is outside stated control limits.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: SL794 Work Order #...: LC9KT1AA Matrix.....: WATER
MB Lot-Sample #: F9E180000-484

Prep Date.....: 05/18/09
Analysis Date..: 06/12/09 Prep Batch #...: 9138484
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aldrin	ND	0.050	ug/L	SW846 8081A
4,4'-DDD	ND	0.050	ug/L	SW846 8081A
4,4'-DDE	ND	0.050	ug/L	SW846 8081A
4,4'-DDT	ND	0.050	ug/L	SW846 8081A
Endosulfan I	ND	0.050	ug/L	SW846 8081A
Endosulfan II	ND	0.050	ug/L	SW846 8081A
gamma-BHC (Lindane)	ND	0.050	ug/L	SW846 8081A
alpha-BHC	ND	0.050	ug/L	SW846 8081A
beta-BHC	ND	0.050	ug/L	SW846 8081A
Endrin	ND	0.050	ug/L	SW846 8081A
delta-BHC	ND	0.050	ug/L	SW846 8081A
Heptachlor	ND	0.050	ug/L	SW846 8081A
Heptachlor epoxide	ND	0.050	ug/L	SW846 8081A
Methoxychlor	ND	0.10	ug/L	SW846 8081A
Chlordane (technical)	ND	0.50	ug/L	SW846 8081A
Dieldrin	ND	0.050	ug/L	SW846 8081A
Endosulfan sulfate	ND	0.050	ug/L	SW846 8081A
Endrin aldehyde	ND	0.050	ug/L	SW846 8081A
Toxaphene	ND	2.0	ug/L	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	90	(81 - 133)
Decachlorobiphenyl	88	(76 - 137)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL794 Work Order #...: LC9KT1AC Matrix.....: WATER
LCS Lot-Sample#: F9E180000-484
Prep Date.....: 05/18/09 Analysis Date..: 06/12/09
Prep Batch #...: 9138484
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Aldrin	0.500	0.501	ug/L	100	SW846 8081A
4,4'-DDT	0.500	0.603	ug/L	121	SW846 8081A
4,4'-DDD	0.500	0.604	ug/L	121	SW846 8081A
4,4'-DDE	0.500	0.513	ug/L	103	SW846 8081A
Endosulfan I	0.500	0.540	ug/L	108	SW846 8081A
Endosulfan II	0.500	0.546	ug/L	109	SW846 8081A
gamma-BHC (Lindane)	0.500	0.536	ug/L	107	SW846 8081A
alpha-BHC	0.500	0.525	ug/L	105	SW846 8081A
Endrin	0.500	0.573	ug/L	115	SW846 8081A
beta-BHC	0.500	0.508	ug/L	102	SW846 8081A
Heptachlor	0.500	0.664	ug/L	133	SW846 8081A
delta-BHC	0.500	0.577	ug/L	115	SW846 8081A
Heptachlor epoxide	0.500	0.519	ug/L	104	SW846 8081A
Methoxychlor	0.500	0.631	ug/L	126	SW846 8081A
Dieldrin	0.500	0.519	ug/L	104	SW846 8081A
Endosulfan sulfate	0.500	0.544	ug/L	109	SW846 8081A
Endrin aldehyde	0.500	0.515	ug/L	103	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	92	(83 - 128)
Decachlorobiphenyl	92	(80 - 135)

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 Semivolatiles

Client Lot #...: SL794 Work Order #...: LC6VJ1AK-MS Matrix.....: WATER
MS Lot-Sample #: F9E150340-001 LC6VJ1AL-MSD
Date Sampled...: 05/14/09 Date Received..: 05/15/09
Prep Date.....: 05/18/09 Analysis Date..: 06/12/09
Prep Batch #...: 9138484
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
4,4'-DDD	ND	0.472	0.524	ug/L	111		SW846 8081A
	ND	0.476	0.504	ug/L	106	3.9	SW846 8081A
4,4'-DDE	ND	0.472	0.410	ug/L	87		SW846 8081A
	ND	0.476	0.391	ug/L	82	4.7	SW846 8081A
Endosulfan I	ND	0.472	0.486	ug/L	103		SW846 8081A
	ND	0.476	0.466	ug/L	98	4.2	SW846 8081A
Endosulfan II	ND	0.472	0.463	ug/L	98		SW846 8081A
	ND	0.476	0.456	ug/L	96	1.5	SW846 8081A
Aldrin	ND	0.472	0.426	ug/L	90		SW846 8081A
	ND	0.476	0.404	ug/L	85	5.3	SW846 8081A
4,4'-DDT	ND	0.472	0.546	ug/L	116		SW846 8081A
	ND	0.476	0.517	ug/L	109	5.4	SW846 8081A
gamma-BHC (Lindane)	ND	0.472	0.503	ug/L	107		SW846 8081A
	ND	0.476	0.490	ug/L	103	2.6	SW846 8081A
alpha-BHC	ND	0.472	0.496	ug/L	105		SW846 8081A
	ND	0.476	0.484	ug/L	102	2.4	SW846 8081A
beta-BHC	ND	0.472	0.475	ug/L	101		SW846 8081A
	ND	0.476	0.458	ug/L	96	3.6	SW846 8081A
Endrin	ND	0.472	0.514	ug/L	109		SW846 8081A
	ND	0.476	0.501	ug/L	105	2.6	SW846 8081A
delta-BHC	ND	0.472	0.556	ug/L	118		SW846 8081A
	ND	0.476	0.546	ug/L	115	1.8	SW846 8081A
Heptachlor	ND	0.472	2.94	ug/L	622		SW846 8081A
		Qualifiers: N					
	ND	0.476	3.36	ug/L	707	14	SW846 8081A
		Qualifiers: N					
Heptachlor epoxide	ND	0.472	0.495	ug/L	105		SW846 8081A
	ND	0.476	0.451	ug/L	95	9.3	SW846 8081A
Methoxychlor	ND	0.472	0.575	ug/L	122		SW846 8081A
	ND	0.476	0.533	ug/L	112	7.6	SW846 8081A
Dieldrin	ND	0.472	0.423	ug/L	90		SW846 8081A
	ND	0.476	0.409	ug/L	86	3.4	SW846 8081A
Endosulfan sulfate	ND	0.472	0.475	ug/L	101		SW846 8081A
	ND	0.476	0.460	ug/L	97	3.2	SW846 8081A
Endrin aldehyde	ND	0.472	0.926	ug/L	196		SW846 8081A
		Qualifiers: N					
	ND	0.476	0.429	ug/L	90 p	73	SW846 8081A

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL794 **Work Order #...:** LC6VJ1AK-MS **Matrix.....:** WATER
MS Lot-Sample #: F9E150340-001 LC6VJ1AL-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	102	(81 - 133)
	94	(81 - 133)
Decachlorobiphenyl	88	(76 - 137)
	82	(76 - 137)

NOTE(S):

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

Bold print denotes control parameters

N Spiked analyte recovery is outside stated control limits.