RECEIVED OCTOBER 30, 2008

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

RECEIVED
JUN 24 2009
EDMC

X08-048

Lot #: F8J010298
SDG #: SL758

Mike Neely

CH2M Hill Plateau Remediation
PO Box 1600, MS B6-06
Richland, WA 99352

TESTAMERICA LABORATORIES, INC.

Michael C. Franks
Project Manager

October 29, 2008

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CASE NARRATIVE

CH2MHill Plateau Remediation Company
P.O. Box 1600
MSIN B6-06
Richland, Washington 99352
October 29, 2008
Attention: Mike Neely

SDG	: SL758
Number of Samples	: two samples
Sample Matrix	: water
Data Deliverable	: Summary
Date SDG Closed	: October 1, 2008

II. Introduction

On October 1, 2008, two 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.

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.

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

V. Comments

General

The following SAFs are associated with this SDG: X08-048

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.

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.

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THE LEADER IN ENVIRONMENTAL TESTING

CH2MHill Plateau Remediation Company

October 29, 2008
SDG: SL758

Volatile Organics

Batch: 8280243

The D% CCV is (higher recovered) outside the Method criteria (greater than 20% D) for the following compounds: Dichlorodifluoromethane (30.1%), Acetone (30.7%), and Methcrylonitrile (24.0%), indicating a potential high bias for these analytes in the samples associated with this CCV. These analytes are not detected above the reporting limits in the associated samples.
Affected Samples:
F8J010298 (1): B1W4Y1
F8J010298 (2): B1W521

For a large number of analytes in the LCS/LCSD, it becomes statistically likely that a few will be outside the laboratory QC limits. Upper and lower marginal exceedance (ME) limits have been established to determine when corrective action is necessary. The number of allowable marginal exceedances is based on the number of analytes in the LCS/LCSD.
LCS/LCSD recoveries are outside laboratory QC limits and qualified accordingly. Recoveries are within marginal exceedance limits, and within the number of analytes allowed.
Vinyl acetate failed high in the LCS/LCSD. This analyte was not detected above the reporting limit in the associated samples.
The LCS/LCSD RPD for 2-Butanone, Acetonitrile, and 1-Butanol is outside of the QC limit. The LCS/LCSD recoveries for these analytes are within the QC limit.
The LCS/LCSD surrogate recoveries for 4-Bromofluorobenzene and Toluene-d8 are below the QC limits in the LCS/LCSD.
Affected Samples:
F8J010298 (1): B1W4Y1
F8J010298 (2): B1W521

The MS/MSD recoveries for Bromomethane and 1,2-Dibromo-3-chloropropane are outside the established QC limits. The MS/MSD RPD for 2-Butanone and 1,2-Dibromo-3-chloropropane are not within method acceptance criteria indicating a possible matrix interference.
The MS surrogate recovery for 4-Bromofluorobenzene is outside of the QC limits.
Affected Samples:
F8J010298 (1): B1W4Y1
F8J010298 (2): B1W521

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THE LEADER IN ENVIRONMENTAL TESTING

CH2MHill Plateau Remediation Company

October 29, 2008
SDG: SL758

Pesticides

Batch: 8276403

The MS recovery for alpha-Chlordane, 4,4'-DDE, and Endosulfan I; the MSD recovery for Aldrin, alpha-BHC, beta-BHC, delta-BHC, alpha-Chlordane, gamma-Chlordane, 4,4'-DDE, Endosulfan I, Endosulfan sulfate, and Heptachlor epoxide is outside the established QC limits. The RPD is within method acceptance criteria indicating a possible matrix interference. The MS Surrogate recovery for Decachlorobiphenyl is outside the QC limit. Method performance is demonstrated by acceptable LCS recovery.
Affected Samples:
F8J010298 (1): B1W4Y1
F8J010298 (2): B1W521

The opening and/or closing CCV recovery was outside the upper QC limit (greater than 20% RSD) for alpha-BHC, gamma-BHC, beta-BHC, delta-BHC, Aldrin, Heptachlor epoxide, gamma-Chlordane, alpha-Chlordane, Endosulfan I, 4,4'-DDE, Dieldrin, Endrin, 4,4'-DDD, Endosulfan II, Methoxychlor Endosulfan sulfate, Endrin ketone, Technical Chlordane and surrogate DCB indicating a potential high bias for those analytes in the samples associated with this CCV. These analytes were not detected above the reporting limit or were not target analytes in the associated samples.
Affected Samples:
F8J010298 (1): B1W4Y1
F8J010298 (2): B1W521

There were no observations or nonconformances for the following methods:

Semi-Volatile Organics

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

Reviewed and approved:

Michael Franks
St. Louis Project Manager

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METHODS SUMMARY

SL758

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

SL758 : F8J010298

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KX02E	001	B1W4Y1	09/29/08	09:53
KX02X	002	B1W521	09/29/08	13:18

NOTE(S):

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

SDG# S1758

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # X08-048-59

Page 1 of 1

Collector: Roy Sickle	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: X08-048	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 2POL CHARACTERIZATION	HNF-N-506-18	Ice Chest No.: GWSC-050 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7905 9006 3232
Protocol: SURV	Priority: 45 Days	Offsite Property No.: N/A

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

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1W4Y1		W	9.22.08	0953	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55); VOA - 8260 (Add-On)	HCl or H2SO4 to pH <2 Cool~4C
B1W4Y1		W	↓	↓	3x1000-mL aG	8270_SVOA_GCMS: List-2 (17)	Cool~4C
B1W4Y1		W			2x1000-mL aG	8081_PEST_GC: List-1 (19)	Cool~4C
B1W4Y1		W			1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Roy Sickle			9/30/08 1000	KB Hulse		KB Hulse	9/30/08 1000
KB Hulse		KB Hulse	9/30/08 1400	FED EX			
FEDEX							10-01-08 0915

Matrix *

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

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

TestAmerica St. Louis

SDG# SL758

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # X08-048-84

Page 1 of 1

Collector: Scott E. Hamaker	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: X08-048	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 2PO1 CHARACTERIZATION	HWF-N-506-19	Ice Chest No.: GWSC-050 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7905 9006 3232
Protocol: SURV	Priority: 45 Days	Offsite Property No.: N/A

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.
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1W521		W	9/26/08	1318	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55); VOA - 8260 (Add-On)	HCl or H2SO4 to pH <2 Cool~4C
B1W521		W			3x1000-mL aG	8270_SVOA_GCMS: List-2 (17)	Cool~4C
B1W521		W			2x1000-mL aG	8081_PEST_GC: List-1 (19)	Cool~4C
B1W521		W			1x20-mL P	Activity Scan	None

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
Scott E. Hamaker / Scott Hamaker	9/30/08 1000	RB Hulse / RB Hulse	9/30/08 1000
RB Hulse / RB Hulse	9/30/08 1400	FED EX	
RDG		[illegible]	10-01-08 0915

Matrix *

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

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

TestAmerica St. Louis

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Track Shipments/FedEx Kinko's Orders

Detailed Results

Tracking number	790590063232	**Reference**	GWS-050
Signed for by	A.BRUNSON	**Destination**	Earth City, MO
Ship date	Sep 30, 2008	**Delivered to**	Shipping/Receiving
Delivery date	Oct 1, 2008 9:07 AM	**Service type**	Priority Overnight
		Weight	71.0 lbs.

Status Delivered

Signature image available Yes

Date/Time		Activity	Location
Oct 1, 2008	9:07 AM	**Delivered**	Earth City, MO
	7:25 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	7:19 AM	At local FedEx facility	EARTH CITY, MO
	5:12 AM	At dest sort facility	BERKELEY, MO
	4:19 AM	Departed FedEx location	MEMPHIS, TN
	2:31 AM	In transit	MEMPHIS, TN
	2:08 AM	Arrived at FedEx location	MEMPHIS, TN
Sep 30, 2008	5:20 PM	Left FedEx origin facility	PASCO, WA
	3:58 PM	Picked up	PASCO, WA
	11:54 AM	Package data transmitted to FedEx	

Signature proof | E-mail results | Track more shipments/o

Subscribe to tracking updates (optional)

Your name: **Your e-mail address:**

E-mail address	**Language**	**Exception updates**
	English	
	English	
	English	
	English	

Select format: HTML Text Wireless

Add personal message:

Not available for Wireless or non-English characters.

By selecting this check box and the Submit button, I agree to these Terms and Conditions

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): F8J010292 F8J010311
298 313
203
308

- 265 -

Condition Upon Receipt Form

Client: Hanford
Quote No: 80670 80102 79481 80098 80093
COC/RFA No: below
Initiated By: [illegible]
Date: 10.01.08
Time: 0915

Shipping Information

Shipper Name: FedX
Multiple Packages Y N

Shipping # (s):*

1.	7980 2518 5254	6.	
2.	4875 0125	7.	
3.	7911 5127 2815	8.	
4.	7905 9006 3232	9.	
5.	7993 8387 0339	10.	

Sample Temperature (s):**

1.	4	6.	
2.	3	7.	
3.	3	8.	
4.	2	9.	
5.	2	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	If N/A- Was pH taken by original TestAmerica lab?
5.	(Y) N N/A	Does the Chain of Custody match sample ID's on the container(s)?	12.	(Y) N	Sample received in proper containers?
6.	(Y) N	Was sample received broken?	13.	Y (N) N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)
7.	(Y) N	Is sample volume sufficient for analysis?	14.	Y N	Was Internal COC/Workshare received?

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

Notes:

B1W15 -1 LG Recvd. broken.

I08-059-79, 80, 42, 24, 80, 23, 41
X08-048-59, 84,
I08-060-15, 14
W08-005-461
S08-009-144
F08-154-029, 032, 035

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: 10-02-08

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INSPECTOR, 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: B1W4Y1

GC/MS Volatiles

Lot-Sample #...: F8J010298-001 **Work Order #...:** KX02E1AE **Matrix.....:** WATER
Date Sampled...: 09/29/08 **Date Received..:** 10/01/08
Prep Date.....: 10/02/08 **Analysis Date..:** 10/02/08
Prep Batch #...: 8280243
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexane	ND	4.0	ug/L	0.16
Acetonitrile	ND	5.0	ug/L	4.2
Acrolein	ND	10	ug/L	0.52
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND T	2.0	ug/L	0.50
Chlorobenzene	ND	1.0	ug/L	0.48
Chloroprene	ND	1.0	ug/L	0.085
Dibromochloromethane	ND	1.0	ug/L	0.17
1,2-Dibromo-3-chloro-propane	ND T	1.0	ug/L	0.48
Chloroethane	ND	2.0	ug/L	0.085
Chloromethane	ND	2.0	ug/L	0.036
Allyl chloride	ND	2.0	ug/L	0.20
1,2-Dibromoethane	ND	1.0	ug/L	0.15
Dibromomethane	ND	1.0	ug/L	0.14
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.75
Dichlorodifluoromethane	ND	2.0	ug/L	0.074
1,1-Dichloroethene	ND	1.0	ug/L	0.085
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.14
1,2-Dichloropropane	ND	1.0	ug/L	0.077
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.099
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.080
1,4-Dioxane	ND	20	ug/L	7.0
Ethylbenzene	ND	1.0	ug/L	0.061
Ethyl methacrylate	ND	1.0	ug/L	0.39
Trichlorofluoromethane	ND	1.0	ug/L	0.10
2-Hexanone	ND	5.0	ug/L	0.080
Iodomethane	ND	2.0	ug/L	0.33
Isobutanol	ND	80	ug/L	6.1
Methacrylonitrile	ND	5.0	ug/L	1.8
Methyl methacrylate	ND	1.0	ug/L	0.62
Styrene	ND	1.0	ug/L	0.079
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.10
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.27
1,2,3-Trichloropropane	ND	1.0	ug/L	0.22
Vinyl acetate	ND	2.0	ug/L	0.22

(Continued on next page)

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B1W4Y1

GC/MS Volatiles

Lot-Sample #...: F8J010298-001 **Work Order #...:** KX02E1AE **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Vinyl chloride	ND	2.0	ug/L	0.13
Acetone	ND	2.0	ug/L	0.56
Methylene chloride	ND	1.0	ug/L	0.091
Carbon disulfide	ND	1.0	ug/L	0.029
1,1-Dichloroethane	ND	1.0	ug/L	0.070
2-Butanone	ND	5.0	ug/L	0.96
Chloroform	**0.22 J**	**1.0**	**ug/L**	**0.080**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.13
Propionitrile	ND	5.0	ug/L	4.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.089
1,1,1-Trichloroethane	ND	1.0	ug/L	0.099
Carbon tetrachloride	ND	1.0	ug/L	0.042
1,2-Dichloroethane	ND	1.0	ug/L	0.18
Benzene	ND	1.0	ug/L	0.032
Trichloroethene	**1.7**	**1.0**	**ug/L**	**0.11**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.72
1,1,2-Trichloroethane	ND	1.0	ug/L	0.19
Tetrachloroethene	ND	1.0	ug/L	0.14
Tetrahydrofuran	ND	10	ug/L	3.2
Xylenes (total)	ND	3.0	ug/L	1.6
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.029

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	95	(76 - 115)
Dibromofluoromethane	120	(81 - 123)
1,2-Dichloroethane-d4	114	(70 - 130)
4-Bromofluorobenzene	85	(79 - 115)

NOTE(S):

T Spike sample recovery is outside control limits.

J Estimated result. Result is less than RL.

CH2M Hill Plateau Remediation DOE RL

B1W4Y1

GC/MS Volatiles

Lot-Sample #: F8J010298-001 **Work Order #:** KX02E1AE **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: B1W521

GC/MS Volatiles

Lot-Sample #...: F8J010298-002 Work Order #...: KX02X1AE Matrix.....: WATER
Date Sampled...: 09/29/08 Date Received..: 10/01/08
Prep Date.....: 10/02/08 Analysis Date..: 10/02/08
Prep Batch #...: 8280243
Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexane	ND	4.0	ug/L	0.16
Acetonitrile	ND	5.0	ug/L	4.2
Acrolein	ND	10	ug/L	0.52
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND T	2.0	ug/L	0.50
Chlorobenzene	ND	1.0	ug/L	0.48
Chloroprene	ND	1.0	ug/L	0.085
Dibromochloromethane	ND	1.0	ug/L	0.17
1,2-Dibromo-3-chloro-propane	ND T	1.0	ug/L	0.48
Chloroethane	ND	2.0	ug/L	0.085
Chloromethane	ND	2.0	ug/L	0.036
Allyl chloride	ND	2.0	ug/L	0.20
1,2-Dibromoethane	ND	1.0	ug/L	0.15
Dibromomethane	ND	1.0	ug/L	0.14
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.75
Dichlorodifluoromethane	ND	2.0	ug/L	0.074
1,1-Dichloroethene	ND	1.0	ug/L	0.085
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.14
1,2-Dichloropropane	ND	1.0	ug/L	0.077
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.099
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.080
1,4-Dioxane	ND	20	ug/L	7.0
Ethylbenzene	ND	1.0	ug/L	0.061
Ethyl methacrylate	ND	1.0	ug/L	0.39
Trichlorofluoromethane	ND	1.0	ug/L	0.10
2-Hexanone	ND	5.0	ug/L	0.080
Iodomethane	ND	2.0	ug/L	0.33
Isobutanol	ND	80	ug/L	6.1
Methacrylonitrile	ND	5.0	ug/L	1.8
Methyl methacrylate	ND	1.0	ug/L	0.62
Styrene	ND	1.0	ug/L	0.079
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.10
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.27
1,2,3-Trichloropropane	ND	1.0	ug/L	0.22
Vinyl acetate	ND	2.0	ug/L	0.22

(Continued on next page)

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B1W521

GC/MS Volatiles

Lot-Sample #...: F8J010298-002 Work Order #...: KX02X1AE Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Vinyl chloride	ND	2.0	ug/L	0.13
Acetone	ND	2.0	ug/L	0.56
Methylene chloride	ND	1.0	ug/L	0.091
Carbon disulfide	ND	1.0	ug/L	0.029
1,1-Dichloroethane	ND	1.0	ug/L	0.070
2-Butanone	ND	5.0	ug/L	0.96
Chloroform	ND	1.0	ug/L	0.080
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.13
Propionitrile	ND	5.0	ug/L	4.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.089
1,1,1-Trichloroethane	ND	1.0	ug/L	0.099
Carbon tetrachloride	ND	1.0	ug/L	0.042
1,2-Dichloroethane	ND	1.0	ug/L	0.18
Benzene	ND	1.0	ug/L	0.032
Trichloroethene	ND	1.0	ug/L	0.11
4-Methyl-2-pentanone	ND	5.0	ug/L	0.72
1,1,2-Trichloroethane	ND	1.0	ug/L	0.19
Tetrachloroethene	ND	1.0	ug/L	0.14
Tetrahydrofuran	ND	10	ug/L	3.2
Xylenes (total)	ND	3.0	ug/L	1.6
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.029

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	94	(76 - 115)
Dibromofluoromethane	116	(81 - 123)
1,2-Dichloroethane-d4	117	(70 - 130)
4-Bromofluorobenzene	86	(79 - 115)

NOTE(S):

T Spike sample recovery is outside control limits.

CH2M Hill Plateau Remediation DOE RL

B1W521

GC/MS Volatiles

Lot-Sample #: F8J010298-002 **Work Order #:** KX02X1AE **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 #...: SL758 **Work Order #...:** KX8LH1AA **Matrix.....:** WATER
MB Lot-Sample #: F8J060000-243

Prep Date.....: 10/02/08
Analysis Date..: 10/02/08 **Prep Batch #...:** 8280243
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
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
trans-1,4-Dichloro-2-butene	ND	2.0	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
Hexane	ND	4.0	ug/L	SW846 8260B
Vinyl chloride	ND	2.0	ug/L	SW846 8260B
Acetone	ND	2.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL758 Work Order #...: KX8LH1AA Matrix.....: WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	95	(76 - 115)
Dibromofluoromethane	115	(81 - 123)
1,2-Dichloroethane-d4	123	(70 - 130)
4-Bromofluorobenzene	88	(79 - 115)

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 #: F8J060000-243 B **Work Order #:** KX8LH1AA **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 #...: SL758 Work Order #...: KX8LH1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F8J060000-243 KX8LH1AD-LCSD
Prep Date.....: 10/02/08 Analysis Date..: 10/02/08
Prep Batch #...: 8280243
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
cis-1,3-Dichloropropene	10.0	10.2	ug/L	102		SW846 8260B
	10.0	10.4	ug/L	104	1.4	SW846 8260B
Dibromochloromethane	10.0	11.5	ug/L	115		SW846 8260B
	10.0	11.2	ug/L	112	2.5	SW846 8260B
Chloromethane	10.0	9.13	ug/L	91		SW846 8260B
	10.0	9.15	ug/L	92	0.27	SW846 8260B
Bromomethane	10.0	14.1 a	ug/L	141		SW846 8260B
	10.0	14.9 a	ug/L	149	5.5	SW846 8260B
Chloroethane	10.0	9.30	ug/L	93		SW846 8260B
	10.0	9.13	ug/L	91	1.8	SW846 8260B
1,1-Dichloroethene	10.0	9.39	ug/L	94		SW846 8260B
	10.0	9.34	ug/L	93	0.48	SW846 8260B
1,2-Dichloroethene (total)	20.0	19.8	ug/L	99		SW846 8260B
	20.0	19.8	ug/L	99	0.35	SW846 8260B
1,2-Dichloropropane	10.0	9.85	ug/L	99		SW846 8260B
	10.0	9.97	ug/L	100	1.2	SW846 8260B
Bromodichloromethane	10.0	11.1	ug/L	111		SW846 8260B
	10.0	11.1	ug/L	111	0.0	SW846 8260B
trans-1,3-Dichloropropene	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.2	ug/L	102	1.6	SW846 8260B
2-Hexanone	10.0	11.3	ug/L	113		SW846 8260B
	10.0	11.4	ug/L	114	0.44	SW846 8260B
Chlorobenzene	10.0	9.62	ug/L	96		SW846 8260B
	10.0	9.70	ug/L	97	0.88	SW846 8260B
Bromoform	10.0	11.0	ug/L	110		SW846 8260B
	10.0	11.7	ug/L	117	6.0	SW846 8260B
Ethylbenzene	10.0	9.41	ug/L	94		SW846 8260B
	10.0	9.27	ug/L	93	1.5	SW846 8260B
Styrene	10.0	10.0	ug/L	100		SW846 8260B
	10.0	9.94	ug/L	99	0.93	SW846 8260B
1,1,2,2-Tetrachloroethane	10.0	8.78	ug/L	88		SW846 8260B
	10.0	9.40	ug/L	94	6.8	SW846 8260B
Allyl chloride	10.0	10.3	ug/L	103		SW846 8260B
	10.0	10.2	ug/L	102	1.3	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	10.0	9.90	ug/L	99		SW846 8260B
	10.0	10.3	ug/L	103	3.8	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL758 Work Order #...: KX8LH1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F8J060000-243 KX8LH1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,2-Dibromoethane	10.0	10.2	ug/L	102		SW846 8260B
	10.0	10.1	ug/L	101	1.3	SW846 8260B
trans-1,4-Dichloro-2-butene	10.0	10.5	ug/L	105		SW846 8260B
	10.0	10.7	ug/L	107	2.1	SW846 8260B
Dichlorodifluoromethane (Freon 12)	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.5	ug/L	105	0.67	SW846 8260B
Ethyl methacrylate	10.0	9.26	ug/L	93		SW846 8260B
	10.0	9.06	ug/L	91	2.2	SW846 8260B
Hexane	10.0	9.78	ug/L	98		SW846 8260B
	10.0	10.0	ug/L	100	2.2	SW846 8260B
Methyl methacrylate	10.0	8.98	ug/L	90		SW846 8260B
	10.0	9.92	ug/L	99	9.9	SW846 8260B
1,1,1,2-Tetrachloroethane	10.0	10.7	ug/L	107		SW846 8260B
	10.0	10.7	ug/L	107	0.18	SW846 8260B
Trichlorofluoromethane	10.0	10.2	ug/L	102		SW846 8260B
	10.0	9.99	ug/L	100	1.5	SW846 8260B
Acetonitrile	50.0	50.5	ug/L	101		SW846 8260B
	50.0	38.1 p	ug/L	76	28	SW846 8260B
Iodomethane	10.0	10.6	ug/L	106		SW846 8260B
	10.0	11.7	ug/L	117	9.7	SW846 8260B
Vinyl acetate	10.0	15.6 a	ug/L	156		SW846 8260B
	10.0	15.7 a	ug/L	157	0.25	SW846 8260B
Acrolein	50.0	51.9	ug/L	104		SW846 8260B
	50.0	47.2	ug/L	94	9.4	SW846 8260B
Isobutanol	200	184	ug/L	92		SW846 8260B
	200	218	ug/L	109	17	SW846 8260B
Methacrylonitrile	50.0	62.7	ug/L	125		SW846 8260B
	50.0	63.2	ug/L	126	0.76	SW846 8260B
1,4-Dioxane	200	211	ug/L	106		SW846 8260B
	200	225	ug/L	112	6.3	SW846 8260B
Chloroprene	10.0	10.2	ug/L	102		SW846 8260B
	10.0	10.2	ug/L	102	0.090	SW846 8260B
Vinyl chloride	10.0	8.86	ug/L	89		SW846 8260B
	10.0	8.81	ug/L	88	0.49	SW846 8260B
Acetone	10.0	12.8	ug/L	128		SW846 8260B
	10.0	12.3	ug/L	123	3.7	SW846 8260B
Methylene chloride	10.0	9.50	ug/L	95		SW846 8260B
	10.0	9.41	ug/L	94	0.95	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL758 Work Order #...: KX8LH1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F8J060000-243 KX8LH1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Carbon disulfide	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.3	ug/L	103	1.7	SW846 8260B
1,1-Dichloroethane	10.0	9.93	ug/L	99		SW846 8260B
	10.0	9.72	ug/L	97	2.1	SW846 8260B
2-Butanone	10.0	12.5	ug/L	125		SW846 8260B
	10.0	7.57 p	ug/L	76	49	SW846 8260B
Chloroform	10.0	10.2	ug/L	102		SW846 8260B
	10.0	10.3	ug/L	103	1.3	SW846 8260B
cis-1,2-Dichloroethene	10.0	9.86	ug/L	99		SW846 8260B
	10.0	10.0	ug/L	100	2.0	SW846 8260B
Propionitrile	50.0	55.3	ug/L	111		SW846 8260B
	50.0	55.0	ug/L	110	0.39	SW846 8260B
trans-1,2-Dichloroethene	10.0	9.96	ug/L	100		SW846 8260B
	10.0	9.70	ug/L	97	2.6	SW846 8260B
1,1,1-Trichloroethane	10.0	10.6	ug/L	106		SW846 8260B
	10.0	10.6	ug/L	106	0.0	SW846 8260B
Carbon tetrachloride	10.0	10.8	ug/L	108		SW846 8260B
	10.0	11.0	ug/L	110	1.7	SW846 8260B
1,2-Dichloroethane	10.0	11.0	ug/L	110		SW846 8260B
	10.0	11.0	ug/L	110	0.090	SW846 8260B
Benzene	10.0	9.57	ug/L	96		SW846 8260B
	10.0	9.62	ug/L	96	0.52	SW846 8260B
Trichloroethene	10.0	10.5	ug/L	105		SW846 8260B
	10.0	10.6	ug/L	106	1.0	SW846 8260B
4-Methyl-2-pentanone	10.0	12.8	ug/L	128		SW846 8260B
	10.0	12.8	ug/L	128	0.78	SW846 8260B
1,1,2-Trichloroethane	10.0	9.38	ug/L	94		SW846 8260B
	10.0	9.66	ug/L	97	2.8	SW846 8260B
Tetrachloroethene	10.0	11.0	ug/L	110		SW846 8260B
	10.0	10.7	ug/L	107	2.7	SW846 8260B
Tetrahydrofuran	50.0	43.9	ug/L	88		SW846 8260B
	50.0	51.5	ug/L	103	16	SW846 8260B
1,4-Dichlorobenzene	10.0	9.20	ug/L	92		SW846 8260B
	10.0	9.73	ug/L	97	5.6	SW846 8260B
1-Butanol	100	98.5	ug/L	98		SW846 8260B
	100	126 p	ug/L	126	25	SW846 8260B
Toluene	10.0	9.18	ug/L	92		SW846 8260B
	10.0	9.12	ug/L	91	0.64	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL758 **Work Order #...:** KX8LH1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F8J060000-243 KX8LH1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	76 *	(82 - 115)
	75 *	(82 - 115)
Dibromofluoromethane	88	(79 - 120)
	87	(79 - 120)
1,2-Dichloroethane-d4	90	(62 - 130)
	91	(62 - 130)
4-Bromofluorobenzene	65 *	(77 - 115)
	66 *	(77 - 115)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

* Surrogate recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL758 Work Order #...: KX02E1AK-MS Matrix.....: WATER
MS Lot-Sample #: F8J010298-001 KX02E1AL-MSD
Date Sampled...: 09/29/08 Date Received..: 10/01/08
Prep Date.....: 10/02/08 Analysis Date..: 10/02/08
Prep Batch #...: 8280243
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
cis-1,3-Dichloropropene	ND	10.0	9.49	ug/L	95		SW846 8260B
	ND	10.0	9.72	ug/L	97	2.4	SW846 8260B
Chloromethane	ND	10.0	9.23	ug/L	92		SW846 8260B
	ND	10.0	9.81	ug/L	98	6.0	SW846 8260B
Bromomethane	ND	10.0	18.9	ug/L	189		SW846 8260B
		Qualifiers:	a,T				
	ND	10.0	19.5	ug/L	195	3.0	SW846 8260B
		Qualifiers:	a,T				
Chloroethane	ND	10.0	9.28	ug/L	93		SW846 8260B
	ND	10.0	9.69	ug/L	97	4.3	SW846 8260B
1,1-Dichloroethene	ND	10.0	9.48	ug/L	95		SW846 8260B
	ND	10.0	9.43	ug/L	94	0.58	SW846 8260B
1,2-Dichloroethene (total)	ND	20.0	19.6	ug/L	98		SW846 8260B
	ND	20.0	19.8	ug/L	99	0.76	SW846 8260B
1,2-Dichloropropane	ND	10.0	9.68	ug/L	97		SW846 8260B
	ND	10.0	9.91	ug/L	99	2.3	SW846 8260B
Bromodichloromethane	ND	10.0	10.9	ug/L	109		SW846 8260B
	ND	10.0	10.9	ug/L	109	0.18	SW846 8260B
trans-1,3-Dichloropropene	ND	10.0	9.16	ug/L	92		SW846 8260B
	ND	10.0	9.33	ug/L	93	1.8	SW846 8260B
2-Hexanone	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	9.42	ug/L	94	8.2	SW846 8260B
Chlorobenzene	ND	10.0	8.87	ug/L	89		SW846 8260B
	ND	10.0	9.12	ug/L	91	2.8	SW846 8260B
Bromoform	ND	10.0	9.91	ug/L	99		SW846 8260B
	ND	10.0	10.5	ug/L	105	5.9	SW846 8260B
Ethylbenzene	ND	10.0	8.70	ug/L	87		SW846 8260B
	ND	10.0	8.90	ug/L	89	2.3	SW846 8260B
Styrene	ND	10.0	9.14	ug/L	91		SW846 8260B
	ND	10.0	9.59	ug/L	96	4.8	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	10.0	8.08	ug/L	81		SW846 8260B
	ND	10.0	8.26	ug/L	83	2.2	SW846 8260B
Dibromochloromethane	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	11.0	ug/L	110	7.6	SW846 8260B
Allyl chloride	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	10.3	ug/L	103	1.7	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL758 Work Order #...: KX02E1AK-MS Matrix.....: WATER
MS Lot-Sample #: F8J010298-001 KX02E1AL-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,2-Dibromo-3-chloropropane (DBCP)	ND	10.0	5.02	ug/L	50 a,T		SW846 8260B
	ND	10.0	10.4	ug/L	104 p	70	SW846 8260B
1,2-Dibromoethane	ND	10.0	9.24	ug/L	92		SW846 8260B
	ND	10.0	9.48	ug/L	95	2.6	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	10.0	8.67	ug/L	87		SW846 8260B
	ND	10.0	8.62	ug/L	86	0.56	SW846 8260B
Dichlorodifluoromethane (Freon 12)	ND	10.0	10.7	ug/L	107		SW846 8260B
	ND	10.0	10.8	ug/L	108	0.65	SW846 8260B
Ethyl methacrylate	ND	10.0	8.19	ug/L	82		SW846 8260B
	ND	10.0	8.67	ug/L	87	5.7	SW846 8260B
Hexane	ND	10.0	9.00	ug/L	90		SW846 8260B
	ND	10.0	9.08	ug/L	91	0.85	SW846 8260B
Methyl methacrylate	ND	10.0	8.51	ug/L	85		SW846 8260B
	ND	10.0	9.39	ug/L	94	9.8	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	10.0	9.93	ug/L	99		SW846 8260B
	ND	10.0	10.0	ug/L	100	0.87	SW846 8260B
Trichlorofluoromethane	ND	10.0	10.0	ug/L	100		SW846 8260B
	ND	10.0	10.1	ug/L	101	0.49	SW846 8260B
Acetonitrile	ND	50.0	41.2	ug/L	82		SW846 8260B
	ND	50.0	49.4	ug/L	99	18	SW846 8260B
Iodomethane	ND	10.0	11.1	ug/L	111		SW846 8260B
	ND	10.0	11.6	ug/L	116	5.1	SW846 8260B
Vinyl acetate	ND	10.0	13.7	ug/L	137		SW846 8260B
	ND	10.0	14.6	ug/L	146	6.6	SW846 8260B
Acrolein	ND	50.0	61.8	ug/L	124		SW846 8260B
	ND	50.0	58.0	ug/L	116	6.3	SW846 8260B
Isobutanol	ND	200	180	ug/L	90		SW846 8260B
	ND	200	163	ug/L	82	9.7	SW846 8260B
Methacrylonitrile	ND	50.0	60.6	ug/L	121		SW846 8260B
	ND	50.0	63.4	ug/L	127	4.6	SW846 8260B
1,4-Dioxane	ND	200	219	ug/L	109		SW846 8260B
	ND	200	201	ug/L	101	8.3	SW846 8260B
Chloroprene	ND	10.0	9.94	ug/L	99		SW846 8260B
	ND	10.0	9.82	ug/L	98	1.1	SW846 8260B
Vinyl chloride	ND	10.0	9.16	ug/L	92		SW846 8260B
	ND	10.0	9.32	ug/L	93	1.7	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL758 Work Order #...: KX02E1AK-MS Matrix.....: WATER
MS Lot-Sample #: F8J010298-001 KX02E1AL-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acetone	ND	10.0	14.7	ug/L	147		SW846 8260B
	ND	10.0	12.6	ug/L	126	16	SW846 8260B
Methylene chloride	ND	10.0	9.05	ug/L	91		SW846 8260B
	ND	10.0	9.22	ug/L	92	1.9	SW846 8260B
Carbon disulfide	ND	10.0	10.1	ug/L	101		SW846 8260B
	ND	10.0	10.3	ug/L	103	1.7	SW846 8260B
1,1-Dichloroethane	ND	10.0	9.75	ug/L	98		SW846 8260B
	ND	10.0	9.54	ug/L	95	2.2	SW846 8260B
2-Butanone	ND	10.0	10.8	ug/L	108		SW846 8260B
	ND	10.0	14.0	ug/L	140 p	25	SW846 8260B
Chloroform	0.22	10.0	10.4	ug/L	101		SW846 8260B
	0.22	10.0	10.5	ug/L	103	1.2	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	9.95	ug/L	100		SW846 8260B
	ND	10.0	9.90	ug/L	99	0.54	SW846 8260B
Propionitrile	ND	50.0	48.9	ug/L	98		SW846 8260B
	ND	50.0	52.9	ug/L	106	7.9	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	9.68	ug/L	97		SW846 8260B
	ND	10.0	9.89	ug/L	99	2.1	SW846 8260B
1,1,1-Trichloroethane	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	10.5	ug/L	105	1.0	SW846 8260B
Carbon tetrachloride	ND	10.0	10.6	ug/L	106		SW846 8260B
	ND	10.0	10.5	ug/L	105	0.75	SW846 8260B
1,2-Dichloroethane	ND	10.0	10.5	ug/L	105		SW846 8260B
	ND	10.0	11.2	ug/L	112	6.4	SW846 8260B
Benzene	ND	10.0	9.57	ug/L	96		SW846 8260B
	ND	10.0	9.53	ug/L	95	0.48	SW846 8260B
Trichloroethene	1.7	10.0	12.4	ug/L	107		SW846 8260B
	1.7	10.0	12.2	ug/L	105	1.5	SW846 8260B
4-Methyl-2-pentanone	ND	10.0	11.0	ug/L	110		SW846 8260B
	ND	10.0	11.9	ug/L	119	8.3	SW846 8260B
1,1,2-Trichloroethane	ND	10.0	8.72	ug/L	87		SW846 8260B
	ND	10.0	9.27	ug/L	93	6.2	SW846 8260B
Tetrachloroethene	ND	10.0	9.84	ug/L	98		SW846 8260B
	ND	10.0	10.1	ug/L	101	2.4	SW846 8260B
Tetrahydrofuran	ND	50.0	44.0	ug/L	88		SW846 8260B
	ND	50.0	48.8	ug/L	98	10	SW846 8260B
1,4-Dichlorobenzene	ND	10.0	8.58	ug/L	86		SW846 8260B
	ND	10.0	8.83	ug/L	88	2.8	SW846 8260B
1-Butanol	ND	100	88.1	ug/L	88		SW846 8260B
	ND	100	93.9	ug/L	94	6.4	SW846 8260B
Toluene	ND	10.0	8.34	ug/L	83		SW846 8260B
	ND	10.0	8.66	ug/L	87	3.7	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL758 **Work Order #...:** KX02E1AK-MS **Matrix.....:** WATER
MS Lot-Sample #: F8J010298-001 KX02E1AL-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	92	(76 - 115)
	94	(76 - 115)
Dibromofluoromethane	118	(81 - 123)
	116	(81 - 123)
1,2-Dichloroethane-d4	118	(70 - 130)
	123	(70 - 130)
4-Bromofluorobenzene	78 *	(79 - 115)
	80	(79 - 115)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

T Spike sample recovery is outside control limits.

p Relative percent difference (RPD) is outside stated control limits.

* Surrogate recovery is outside stated control limits.

GC/MS SEMIVOLATILES

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B1W4Y1

GC/MS Semivolatiles

Lot-Sample #...: F8J010298-001 **Work Order #...:** KX02E1AD **Matrix.....:** WATER
Date Sampled...: 09/29/08 **Date Received..:** 10/01/08
Prep Date.....: 10/03/08 **Analysis Date..:** 10/13/08
Prep Batch #...: 8277061
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
3-Methylphenol & 4-Methylphenol	ND	20	ug/L	1.0
1,4-Dioxane	ND	10	ug/L	2.0
2-Picoline	ND	20	ug/L	1.0
Phenol	ND	10	ug/L	4.0
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	1.1
Pentachlorophenol	ND	50	ug/L	2.0
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	1.0
Benzothiazole	ND	10	ug/L	1.0
Tributyl phosphate	ND	10	ug/L	1.5
Tris(2-chloroethyl)phosphate	ND	10	ug/L	1.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	50	(15 - 78)
Phenol-d5	34	(15 - 63)
Nitrobenzene-d5	83	(20 - 103)
2-Fluorobiphenyl	82	(20 - 103)
2,4,6-Tribromophenol	80	(20 - 110)
Terphenyl-d14	86	(15 - 114)

CH2M Hill Plateau Remediation DOE RL

B1W4Y1

GC/MS Semivolatiles

Lot-Sample #: F8J010298-001 **Work Order #:** KX02E1AD **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		6.0	M	3.5745	ug/L
Unknown aldol condensate		59	M	4.0446	ug/L
Unknown		4.4	M	4.6963	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: B1W521

GC/MS Semivolatiles

Lot-Sample #...: F8J010298-002 **Work Order #...:** KX02X1AD **Matrix.....:** WATER
Date Sampled...: 09/29/08 **Date Received..:** 10/01/08
Prep Date.....: 10/03/08 **Analysis Date..:** 10/13/08
Prep Batch #...: 8277061
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
3-Methylphenol & 4-Methylphenol	ND	20	ug/L	1.0
1,4-Dioxane	ND	10	ug/L	2.0
2-Picoline	ND	20	ug/L	1.0
Phenol	ND	10	ug/L	4.0
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	1.1
Pentachlorophenol	ND	50	ug/L	2.0
bis(2-Ethylhexyl) phthalate	**11 B**	**10**	**ug/L**	**1.0**
Benzothiazole	ND	10	ug/L	1.0
Tributyl phosphate	ND	10	ug/L	1.5
Tris(2-chloroethyl)phosphate	ND	10	ug/L	1.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	39	(15 - 78)
Phenol-d5	27	(15 - 63)
Nitrobenzene-d5	65	(20 - 103)
2-Fluorobiphenyl	65	(20 - 103)
2,4,6-Tribromophenol	75	(20 - 110)
Terphenyl-d14	84	(15 - 114)

NOTE(S):

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

CH2M Hill Plateau Remediation DOE RL

B1W521

GC/MS Semivolatiles

Lot-Sample #: F8J010298-002 **Work Order #:** KX02X1AD **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Furan, 2,5-dimethyl-	625-86-5	4.6	M	2.6797	ug/L
Unknown aldol condensate		81	M	4.0419	ug/L
Unknown		6.3	M	4.699	ug/L
Hexadecanoic acid, 2-methylpro	110-34-9	130	M	9.7313	ug/L
Octadecanoic acid, 2-methylpro	646-13-9	85	M	10.313	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 #...: SL758 **Work Order #...:** KX4C91AA **Matrix.....:** WATER
MB Lot-Sample #: F8J030000-061

Prep Date.....: 10/03/08
Analysis Date..: 10/13/08 **Prep Batch #...:** 8277061
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	**2.9 J**	**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	46	(15 - 78)
Phenol-d5	34	(15 - 63)
Nitrobenzene-d5	74	(20 - 103)
2-Fluorobiphenyl	72	(20 - 103)
2,4,6-Tribromophenol	74	(20 - 110)
Terphenyl-d14	81	(15 - 114)

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 Semivolatiles

Lot-Sample #: F8J030000-061 B **Work Order #:** KX4C91AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		5.6	M	3.5738	ug/L
Unknown aldol condensate		43	M	4.0439	ug/L
Unknown		4.6	M	5.6252	ug/L
Hexadecanoic acid, 2-methylpro	110-34-9	170	M	9.7279	ug/L
Octadecanoic acid, 2-methylpro	646-13-9	59	M	10.31	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 #...: SL758 **Work Order #...:** KX4C91AC **Matrix.....:** WATER
LCS Lot-Sample#: F8J030000-061
Prep Date.....: 10/03/08 **Analysis Date..:** 10/13/08
Prep Batch #...: 8277061
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
3-Methylphenol & 4-Methylphenol	**100**	**67.6**	**ug/L**	**68**	**SW846 8270C**
Phenol	**100**	**32.8**	**ug/L**	**33**	**SW846 8270C**
1,4-Dichlorobenzene	**100**	**57.4**	**ug/L**	**57**	**SW846 8270C**
2-Methylphenol	**100**	**67.2**	**ug/L**	**67**	**SW846 8270C**
Nitrobenzene	**100**	**73.7**	**ug/L**	**74**	**SW846 8270C**
2-Nitrophenol	**100**	**76.4**	**ug/L**	**76**	**SW846 8270C**
2,4-Dichlorophenol	**100**	**77.1**	**ug/L**	**77**	**SW846 8270C**
Naphthalene	**100**	**69.3**	**ug/L**	**69**	**SW846 8270C**
2,4-Dinitrophenol	**100**	**68.6**	**ug/L**	**69**	**SW846 8270C**
Pentachlorophenol	**100**	**77.2**	**ug/L**	**77**	**SW846 8270C**
bis(2-Ethylhexyl) phthalate	**100**	**89.6**	**ug/L**	**90**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	49	(15 - 58)
Phenol-d5	36	(10 - 39)
Nitrobenzene-d5	76	(22 - 94)
2-Fluorobiphenyl	85	(20 - 97)
2,4,6-Tribromophenol	91	(23 - 102)
Terphenyl-d14	93	(30 - 114)

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 #...: SL758 Work Order #...: KX02X1AF-MS Matrix.....: WATER
MS Lot-Sample #: F8J010298-002 KX02X1AG-MSD
Date Sampled...: 09/29/08 Date Received..: 10/01/08
Prep Date.....: 10/03/08 Analysis Date..: 10/13/08
Prep Batch #...: 8277061
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
3-Methylphenol & 4-Methylphenol	ND	97.4	63.7	ug/L	65		SW846 8270C
	ND	100	70.9	ug/L	71	11	SW846 8270C
Phenol	ND	97.4	31.0	ug/L	32		SW846 8270C
	ND	100	35.8	ug/L	36	14	SW846 8270C
1,4-Dichlorobenzene	ND	97.4	56.8	ug/L	58		SW846 8270C
	ND	100	64.9	ug/L	65	13	SW846 8270C
2-Methylphenol	ND	97.4	63.7	ug/L	65		SW846 8270C
	ND	100	71.0	ug/L	71	11	SW846 8270C
Nitrobenzene	ND	97.4	70.0	ug/L	72		SW846 8270C
	ND	100	81.0	ug/L	81	15	SW846 8270C
2-Nitrophenol	ND	97.4	73.0	ug/L	75		SW846 8270C
	ND	100	80.9	ug/L	81	10	SW846 8270C
2,4-Dichlorophenol	ND	97.4	73.5	ug/L	75		SW846 8270C
	ND	100	78.3	ug/L	78	6.3	SW846 8270C
Naphthalene	ND	97.4	67.6	ug/L	69		SW846 8270C
	ND	100	74.5	ug/L	74	9.7	SW846 8270C
2,4-Dinitrophenol	ND	97.4	69.5	ug/L	71		SW846 8270C
	ND	100	72.6	ug/L	72	4.4	SW846 8270C
Pentachlorophenol	ND	97.4	76.0	ug/L	78		SW846 8270C
	ND	100	77.4	ug/L	77	1.8	SW846 8270C
bis(2-Ethylhexyl) phthalate	11	97.4	86.2	ug/L	78		SW846 8270C
	11	100	91.0	ug/L	80	5.3	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	48	(15 - 78)
	55	(15 - 78)
Phenol-d5	34	(15 - 63)
	39	(15 - 63)
Nitrobenzene-d5	74	(20 - 103)
	82	(20 - 103)
2-Fluorobiphenyl	83	(20 - 103)
	86	(20 - 103)
2,4,6-Tribromophenol	89	(20 - 110)
	88	(20 - 110)

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: SL758 **Work Order #...:** KX02X1AF-MS **Matrix.....:** WATER
MS Lot-Sample #: F8J010298-002 KX02X1AG-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	90	(15 - 114)
	91	(15 - 114)

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: B1W4Y1

GC Semivolatiles

Lot-Sample #...: F8J010298-001 Work Order #...: KX02E1AC Matrix.....: WATER
Date Sampled...: 09/29/08 Date Received..: 10/01/08
Prep Date.....: 10/02/08 Analysis Date..: 10/27/08
Prep Batch #...: 8276403
Dilution Factor: 1 Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND N	0.050	ug/L	0.0040
4,4'-DDD	ND	0.050	ug/L	0.0038
4,4'-DDE	ND N	0.050	ug/L	0.0027
4,4'-DDT	ND	0.050	ug/L	0.0056
Endosulfan I	ND N	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 N	0.050	ug/L	0.0025
beta-BHC	ND N	0.050	ug/L	0.013
Endrin	ND	0.050	ug/L	0.0028
delta-BHC	ND N	0.050	ug/L	0.0060
Heptachlor	ND	0.050	ug/L	0.0025
Heptachlor epoxide	ND N	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 N	0.050	ug/L	0.017
Endrin aldehyde	ND	0.050	ug/L	0.0032
Toxaphene	ND	2.0	ug/L	0.33

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	89	(72 - 135)
Decachlorobiphenyl	122	(68 - 133)

NOTE(S):

N Spiked analyte recovery is outside stated control limits.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B1W521

GC Semivolatiles

Lot-Sample #...: F8J010298-002 Work Order #...: KX02X1AC Matrix.....: WATER
Date Sampled...: 09/29/08 Date Received..: 10/01/08
Prep Date.....: 10/02/08 Analysis Date..: 10/27/08
Prep Batch #...: 8276403
Dilution Factor: 1 Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND N	0.050	ug/L	0.0040
4,4'-DDD	ND	0.050	ug/L	0.0038
4,4'-DDE	ND N	0.050	ug/L	0.0027
4,4'-DDT	ND	0.050	ug/L	0.0056
Endosulfan I	ND N	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 N	0.050	ug/L	0.0025
beta-BHC	ND N	0.050	ug/L	0.013
Endrin	ND	0.050	ug/L	0.0028
delta-BHC	ND N	0.050	ug/L	0.0060
Heptachlor	ND	0.050	ug/L	0.0025
Heptachlor epoxide	ND N	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 N	0.050	ug/L	0.017
Endrin aldehyde	ND	0.050	ug/L	0.0032
Toxaphene	ND	2.0	ug/L	0.33

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	101	(72 - 135)
Decachlorobiphenyl	117	(68 - 133)

NOTE(S):

N Spiked analyte recovery is outside stated control limits.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: SL758 **Work Order #...:** KX4C21AA **Matrix.....:** WATER
MB Lot-Sample #: F8J020000-403

Prep Date.....: 10/02/08
Analysis Date..: 10/27/08 **Prep Batch #...:** 8276403
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	108	(72 - 135)
Decachlorobiphenyl	130	(68 - 133)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL758 Work Order #...: KX4C21AC Matrix.....: WATER
LCS Lot-Sample#: F8J020000-403
Prep Date.....: 10/02/08 Analysis Date..: 10/27/08
Prep Batch #...: 8276403
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Aldrin	**0.500**	**0.587**	**ug/L**	**117**	**SW846 8081A**
4,4'-DDT	**0.500**	**0.495**	**ug/L**	**99**	**SW846 8081A**
4,4'-DDD	**0.500**	**0.536**	**ug/L**	**107**	**SW846 8081A**
4,4'-DDE	**0.500**	**0.612**	**ug/L**	**122**	**SW846 8081A**
Endosulfan I	**0.500**	**0.615**	**ug/L**	**123**	**SW846 8081A**
Endosulfan II	**0.500**	**0.548**	**ug/L**	**110**	**SW846 8081A**
gamma-BHC (Lindane)	**0.500**	**0.548**	**ug/L**	**110**	**SW846 8081A**
alpha-BHC	**0.500**	**0.572**	**ug/L**	**114**	**SW846 8081A**
Endrin	**0.500**	**0.503**	**ug/L**	**101**	**SW846 8081A**
beta-BHC	**0.500**	**0.562**	**ug/L**	**112**	**SW846 8081A**
Heptachlor	**0.500**	**0.475**	**ug/L**	**95**	**SW846 8081A**
delta-BHC	**0.500**	**0.613**	**ug/L**	**123**	**SW846 8081A**
Heptachlor epoxide	**0.500**	**0.556**	**ug/L**	**111**	**SW846 8081A**
Methoxychlor	**0.500**	**0.491**	**ug/L**	**98**	**SW846 8081A**
Dieldrin	**0.500**	**0.562**	**ug/L**	**112**	**SW846 8081A**
Endosulfan sulfate	**0.500**	**0.549**	**ug/L**	**110**	**SW846 8081A**
Endrin aldehyde	**0.500**	**0.475**	**ug/L**	**95**	**SW846 8081A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	102	(65 - 140)
Decachlorobiphenyl	124	(66 - 137)

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 #...: SL758 Work Order #...: KX02E1AM-MS Matrix.....: WATER
MS Lot-Sample #: F8J010298-001 KX02E1AN-MSD
Date Sampled...: 09/29/08 Date Received..: 10/01/08
Prep Date.....: 10/02/08 Analysis Date..: 10/27/08
Prep Batch #...: 8276403
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Aldrin	ND	0.474	0.615	ug/L	130		SW846 8081A
	ND	0.480	0.681	ug/L	142	10	SW846 8081A
	Qualifiers:	a,N					
4,4'-DDT	ND	0.474	0.548	ug/L	116		SW846 8081A
	ND	0.480	0.593	ug/L	124	7.9	SW846 8081A
4,4'-DDD	ND	0.474	0.589	ug/L	124		SW846 8081A
	ND	0.480	0.627	ug/L	131	6.2	SW846 8081A
4,4'-DDE	ND	0.474	0.655	ug/L	138		SW846 8081A
	Qualifiers:	a,N					
	ND	0.480	0.709	ug/L	148	7.9	SW846 8081A
	Qualifiers:	a,N					
Endosulfan I	ND	0.474	0.621	ug/L	131		SW846 8081A
	Qualifiers:	a,N					
	ND	0.480	0.676	ug/L	141	8.5	SW846 8081A
	Qualifiers:	a,N					
Endosulfan II	ND	0.474	0.576	ug/L	122		SW846 8081A
	ND	0.480	0.626	ug/L	130	8.3	SW846 8081A
gamma-BHC (Lindane)	ND	0.474	0.617	ug/L	130		SW846 8081A
	ND	0.480	0.654	ug/L	136	5.8	SW846 8081A
alpha-BHC	ND	0.474	0.623	ug/L	131		SW846 8081A
	ND	0.480	0.675	ug/L	141	8.0	SW846 8081A
	Qualifiers:	a,N					
Endrin	ND	0.474	0.568	ug/L	120		SW846 8081A
	ND	0.480	0.586	ug/L	122	3.1	SW846 8081A
beta-BHC	ND	0.474	0.602	ug/L	127		SW846 8081A
	ND	0.480	0.654	ug/L	136	8.3	SW846 8081A
	Qualifiers:	a,N					
Heptachlor	ND	0.474	0.572	ug/L	121		SW846 8081A
	ND	0.480	0.589	ug/L	123	2.9	SW846 8081A
delta-BHC	ND	0.474	0.645	ug/L	136		SW846 8081A
	ND	0.480	0.708	ug/L	148	9.3	SW846 8081A
	Qualifiers:	a,N					
Heptachlor epoxide	ND	0.474	0.597	ug/L	126		SW846 8081A
	ND	0.480	0.699	ug/L	146	16	SW846 8081A
	Qualifiers:	a,N					
Methoxychlor	ND	0.474	0.546	ug/L	115		SW846 8081A
	ND	0.480	0.580	ug/L	121	6.0	SW846 8081A
Dieldrin	ND	0.474	0.612	ug/L	129		SW846 8081A
	ND	0.480	0.649	ug/L	135	5.9	SW846 8081A

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MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL758 **Work Order #...:** KX02E1AM-MS **Matrix.....:** WATER
MS Lot-Sample #: F8J010298-001 KX02E1AN-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Endosulfan sulfate	**ND**	**0.474**	**0.582**	**ug/L**	**123**		**SW846 8081A**
	ND	**0.480**	**0.635**	**ug/L**	**132**	**8.7**	**SW846 8081A**
	Qualifiers:		a,N				
Endrin aldehyde	**ND**	**0.474**	**0.524**	**ug/L**	**111**		**SW846 8081A**
	ND	**0.480**	**0.575**	**ug/L**	**120**	**9.3**	**SW846 8081A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	106	(72 - 135)
	112	(72 - 135)
Decachlorobiphenyl	133	(68 - 133)
	139 *	(68 - 133)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

N Spiked analyte recovery is outside stated control limits.

* Surrogate recovery is outside stated control limits.