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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

S08-003

Lot #: F8E290286
SDG #: SL740

Steve Trent

Fluor Hanford Inc
PO Box 1000
MSIN E6-35
Richland, WA 99352

RECEIVED
JUL 28 2008
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TESTAMERICA LABORATORIES, INC.

Jaus M. Klyn
for
Michael C. Franks
Project Manager

July 1, 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

Fluor Hanford, Inc.
P.O. Box 1000
MSIN E6-35
Richland, Washington 99352
July 1, 2008
Attention: Steve Trent

SDG	: SL740
Number of Samples	: 29 samples
Sample Matrix	: Water
Data Deliverable	: Summary
Date SDG Closed	: June 11, 2008

II. Introduction

Between May 29, 2008 and June 10, 2008, twenty-nine (29) water samples were received by TestAmerica St. Louis for chemical analysis. Other than noted in the narrative, 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: S08-003, I08-037, W08-005, S08-004, W08-006, I08-043.

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

Fluor Hanford Inc.

July 1, 2008
SDG: SL740

Volatiles

Batch: 8158322
The MS/MSD (performed on sample F8E290290-003) RPD for Iodomethane is outside the established QC limits. MS/MSD recoveries are acceptable.
Affected Samples:
F8E290286 (1): B1V367
F8E290290 (3): B1V681
F8E290290 (4): B1V682
F8E290290 (5): B1V688

Batch: 8162183
The %D in the CCV (high recovery) is outside the Method criteria (greater than 20% D) for the following compounds: Bromomethane (56.6%), Chloroethane (21.6%), Acetone (54.6%), Allyl chloride (25.5%), Isobutanol (22.4%), Methacrylonitrile (30.0%) and 1,4-Dioxane (34.3%), indicating a potential high bias for these analytes in the samples associated with this CCV. These analytes are not detected above the reporting limits, are not reported, or are not the target analytes in the associated samples. The %D in the CCV (low recovery) is outside the Method criteria (greater than 20% D) for the following compounds: Cyclohexanone (32.3%) and Naphthalene (42.0%). These analytes are not target analytes.

The Method Blank surrogate recovery for 4-Bromofluorobenzene is outside the upper established QC limit, indicating a potential positive bias for associated compounds. There were associated compounds detected above the reporting limit in the Method Blank.

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. Results are reported with this narrative.
The RPDs for several compounds are outside of the QC limits. The recoveries are acceptable in the LCS/LCSD.

The MS/MSD RPDs for several compounds are not within method acceptance criteria. MS/MSD recoveries are within QC limits demonstrating good extraction performance in the sample matrix. Carbon disulfide recoveries in the MS/MSD are 0%. However the LCS/LCSD recoveries are in control.
Affected Samples:
F8E290290 (5): B1V688
F8F050325 (1): B1VHH6
F8F050329 (3): B1TX75
F8F060257 (1): B1V692
F8F060259 (1): B1VHH7

Batch: 8162183
The associated samples' surrogate recovery for 4-Bromofluorobenzene are outside the upper established QC limit, indicating a potential positive bias for associated compounds. There were associated compounds detected above the reporting limit in the samples.
Affected Samples:
F8E290290 (5): B1V688
F8F050325 (1): B1VHH6
F8F050329 (3): B1TX75
F8F060257 (1): B1V692

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THE LEADER IN ENVIRONMENTAL TESTING

Fluor Hanford Inc.
July 1, 2008
SDG: SL740

Batch: 8162183
The associated sample was analyzed at a dilution due to high concentrations of target analytes. The reporting limit has been adjusted only for those targets reported from the dilution run.
Affected Samples:
F8E290290 (5): B1V688

GC/MS Semivolatiles

Batch: 8164192
The CCV %D for Famphur is outside the established QC limits. This analyte is not part of the analysis request and thus this excursion does not affect the data.

The MS/MSD RPD is not within method acceptance criteria. MS/MSD recoveries are within QC limits demonstrating good extraction performance in the sample matrix.
Affected Samples:
F8F100222 (1): B1VKV1 F8F100222 (2): B1VKV2

ICP Metals

Batch: 8169261
The MS and/or MSD recovery for potassium is outside the established QC limits. The RPD is within method acceptance criteria indicating a possible matrix interference. Method performance is demonstrated by acceptable LCS recovery.

In the original analysis (batch 8169261), the LCS recovery for Iron was outside the upper QC limit, indicating a potential positive bias for the analyte. The samples were reprepared and reanalyzed in batch 8171310 with an acceptable LCS. Only the results of the reanalysis are reported.
Affected Samples:
F8F050329 (1): B1TX71 F8F050329 (2): B1TX72

Batch: 8169261
The associated sample was analyzed at a dilution due to high concentrations of target and interfering analytes. The reporting limit has been adjusted only for those targets reported from the dilution run.
Affected Samples:
F8F050329 (1): B1TX71

TOC/TOX

The associated samples in TOC batch 8177606 and/or TOX batch 8170508 were received without cool preservation at 13°C. Please refer to included IRF 08-078.

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Fluor Hanford Inc.
July 1, 2008
SDG: SL740

Affected Samples:

F8F100216 (1): B1VPJ7(TOC/TOX)
F8F100216 (2): B1VPJ8 (TOC/TOX)
F8F100216 (3): B1VPJ9 (TOC/TOX)
F8F100216 (4): B1VPK0 (TOC/TOX)
F8F100216 (5): B1VPP5 (TOX)
F8F100216 (6): B1VPP6 (TOX)
F8F100216 (7): B1VPP7 (TOX)
F8F100216 (8): B1VPP8 (TOX)
F8F100216 (9): B1VPK9 (TOX)
F8F100216 (11): B1VPL1 (TOX)

TOX

The associated samples were received broken. No other analyses were requested on these samples. As noted in included IRF 08-077, the analysis was cancelled.

Affected Samples:
B1VPL0
B1VPL2

There were no observations or nonconformances for the following methods:

ICP/MS Metals
Mercury
Phenolics
Sulfide
Total Cyanide

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:

Jaus M. Klyan
for

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**

STL – St Louis ISSUE RESOLUTION FORM
FOR CONTRACT 615 WITH BHI/WMH/PNNL

PNNL TRACKING NUMBER: 08-077

Date: June 12 2008 SAF Nos. W08-006

SDG: **SL740** LOGIN No.: **F8F100216** TEST: TOX

Sample No.(s) **B1VPL0 and B1VPL2**

Submitted By: Mike Franks Submitted To: Heidi Hampt

Phone No. 314-298-8566 x206 Phone No. 509-376-4319

Fax No. 314-298-8757 Fax No. 866-252-5816

ISSUE	PROPOSED RESOLUTION
The containers for TOX analysis for the two samples listed above from COC W08-006-9 were received broken. No other analysis requested and no other containers received for these samples.	1) Cancel analysis.

BHI/WMH/PNNL COMMENTS
Accept proposed resolution.

Heidi Hampt 7/1/08
Signature and Date

XC: Ron Butler

STL – St Louis ISSUE RESOLUTION FORM
FOR CONTRACT 615 WITH BHI/WMH/PNNL

PNNL TRACKING NUMBER: 08-078

Date: June 12 2008 SAF Nos. W08-006

SDG: **SL740** LOGIN No.: **F8F100216** TEST: TOX and TOC

Sample No.(s) **B1VPJ7, B1VPJ8, B1VPJ9, B1VPKO, B1VPP5, B1VPP6, B1VPP7, B1VPP8, B1VPK9, B1VPL0, B1VPL1, B1VPL2**

Submitted By: Mike Franks Submitted To: Heidi Hampt

Phone No. 314-298-8566 x206 Phone No. 509-376-4319

Fax No. 314-298-8757 Fax No. 866-252-5816

ISSUE	PROPOSED RESOLUTION
The cooler for COCs W08-006-8, W08-006-20, and W08-006-9 were received outside of temperature at ~ 13°C.	1) Proceed with analysis 2) Cancel analysis.

BHI/WMH/PNNL COMMENTS
Accept proposed resolution 1 and note in case narrative.

Heidi Hampt 7/1/08
Signature and Date

XC: Ron Butler

METHODS SUMMARY

SL740

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	
ICP-MS (6020)	SW846 6020	
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A	SW846 7470A
Phenolics	MCAWW 420.2	MCAWW 420.2
Semivolatile Organic Compounds by GC/MS	SW846 8270C	SW846 3510C
Sulfide	SW846 9030	
Total Cyanide	SW846 9012	SW846 9012
Total Organic Carbon	SW846 9060	SW846 9060
Total Organic Halogens	SW846 9020B	SW846 9020B
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

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

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

SAMPLE SUMMARY

SL740 : F8E290286

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KN3MQ	001	B1V367	05/27/08	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.

(Continued on next page)

SAMPLE SUMMARY

SL740 : F8E290290

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KN3M4	001	B1V9W6	05/27/08	09:57
KN3NR	002	B1V9W7	05/27/08	11:13
KN3PD	003	B1V681	05/27/08	13:18
KN3PN	004	B1V682	05/27/08	13:18
KN3P1	005	B1V688	05/27/08	14:40

NOTE(S):

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(Continued on next page)

SAMPLE SUMMARY

SL740 : F8F050325

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KPF3W	001	B1VHH6	06/04/08	12:40

NOTE(S):

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(Continued on next page)

SAMPLE SUMMARY

SL740 : F8F050329

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KPF34	001	B1TX71	06/04/08	12:40
KPF36	002	B1TX72	06/04/08	12:40
KPF4L	003	B1TX75	06/04/08	12:40

NOTE(S):

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- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

(Continued on next page)

SAMPLE SUMMARY

SL740 : F8F050335

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KPF57	001	B1V9V0	06/04/08	09:30
KPF58	002	B1V9R8	06/04/08	09:00
KPF59	003	B1V660	06/04/08	08:25
KPF6A	004	B1V659	06/04/08	11:07

NOTE(S):

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(Continued on next page)

SAMPLE SUMMARY

SL740 : F8F060257

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KPH3R	001	B1V692	06/05/08	09:44

NOTE(S):

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- Results noted as "ND" were not detected at or above the stated limit.
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- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

(Continued on next page)

SAMPLE SUMMARY

SL740 : F8F060259

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KPH31	001	B1VHH7	06/05/08	09:44
KPH33	002	B1V8C7	06/05/08	12:10

NOTE(S):

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- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

(Continued on next page)

SAMPLE SUMMARY

SL740 : F8F100216

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KPM2F	001	B1VPJ7	06/05/08	11:30
KPM2Q	002	B1VPJ8	06/05/08	11:30
KPM2R	003	B1VPJ9	06/05/08	11:30
KPM20	004	B1VPK0	06/05/08	11:30
KPM21	005	B1VPP5	06/05/08	12:55
KPM23	006	B1VPP6	06/05/08	12:55
KPM25	007	B1VPP7	06/05/08	12:55
KPM26	008	B1VPP8	06/05/08	12:55
KPM28	009	B1VPK9	06/05/08	09:00
KPM3A	011	B1VPL1	06/05/08	09:00

NOTE(S):

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(Continued on next page)

SAMPLE SUMMARY

SL740 : F8F100222

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KPM3W	001	B1VKV1	06/09/08	10:18
KPM36	002	B1VKV2	06/09/08	10:18

NOTE(S):

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- 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# SL740

FLUOR HANFORD SL740	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # S08-003-227
		Page 1 of 1

Collector: Roy Sickle	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: S08-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV. MARCH 2008	HNF-N-506-13	Ice Chest No. GRP-03-002 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 7989 4992 1511
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1V367		W	5/27/08	1318	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool~4C
B1V367		W	↓	1318	1x20-mL P	Activity Scan	None

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
Roy Sickle	5/28/08 0900	R. A. Shepard	5/28/08 0900
R. A. Shepard	5/28/08 0901	FEDEX	
FEDEX			05-29-08 0907

Matrix *

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

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

TestAmerica St. Louis

Track Shipments/FedEx Kinko's Orders

Detailed Results

Tracking number	798949921511	**Reference**	GRP-03-002
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	May 28, 2008	**Delivered to**	Shipping/Receiving
Delivery date	May 29, 2008 9:06 AM	**Service type**	Priority Overnight
		Weight	50.0 lbs.

Status Delivered

Signature image available Yes

Date/Time		Activity	Location
May 29, 2008	9:06 AM	**Delivered**	Earth City, MO
	7:04 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	6:58 AM	At local FedEx facility	EARTH CITY, MO
	5:52 AM	At dest sort facility	BERKELEY, MO
	4:11 AM	Departed FedEx location	MEMPHIS, TN
	12:46 AM	Arrived at FedEx location	MEMPHIS, TN
May 28, 2008	5:38 PM	Left origin	PASCO, WA
	4:07 PM	Picked up	PASCO, WA
	11:19 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

- 3469 - Lot #(s): F8E290284 F8E290290

Condition Upon Receipt Form

Client: Hanford COC/RFA No: below Date: 05-29-08
Quote No: 78747 Initiated By: Time: 0900

Shipping Information

Shipper Name: FedX Multiple Packages Y (N)

Shipping # (s):*
1. 7989 4992 1511 6.
2. 7.
3. 8.
4. 9.
5. 10.

Sample Temperature (s):**
1. 2 6.
2. 7.
3. 8.
4. 9.
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	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:
SU8-003-227
I08-037-95, 96, 39, 40

Corrective Action:
☐ Client Contact Name: Informed by:
☐ Sample(s) processed "as is"
☐ Sample(s) on hold until: If released, notify:
Project Management Review: Date: 06-01-08

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

ADMIN-0004, REVISED 08/06/07\\Slmw01\QA\FORMS\ST LOUIS\ADMIN\Admin004.rev11.doc

SDG# SL740

FLUOR HANFORD SL740	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # I08-037-95 Page 1 of 1

Collector: Roy Sickle	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: I08-037	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 2UP1 MAY 2008	HNF-N-506-13	Ice Chest No. GRP-03-002 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 7989 4992 1511
Protocol: SURV	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☑ No ☐
200 Area Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1V9W6		W	5/27/08	0957	3x500-mL G/P	9030_SULFIDE: Sulfide (1)	ZnAc+NaOH to pH >9 Cool~4C
B1V9W6		W			1x20-mL P	Activity Scan	None
B1V9W6		W			1x500-mL aG	420.2_PHENOL: Phenol total(1)	H2SO4 to pH <2 Cool~4C
B1V9W6		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
Roy Sickle	5/28/08 0900	R. A. Shepard	5/28/08 0900
R. A. Shepard	5/28/08 0901	FEDEX	
FEDEX			05.29.08 0900

Matrix *

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

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

TestAmerica St. Louis

SDG# SL740

FLUOR HANFORD
SL740

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **I08-037-96**

Page 1 of 1

Collector: Roy Sickle	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: I08-037	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 2UP1 MAY 2008	HNF-N-506-13	Ice Chest No. GRP-08-002 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 7789 4992 1511
Protocol: SURV	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

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

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1V9W7		W	5/27/08	1113	3x500-mL G/P	9030_SULFIDE: Sulfide (1)	ZnAc+NaOH to pH >9 Cool~4C
B1V9W7		W			1x20-mL P	Activity Scan	None
B1V9W7		W			1x500-mL aG	420.2_PHENOL: Phenol total(1)	H2SO4 to pH <2 Cool~4C
B1V9W7		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
Roy Sickle	5/28/08 0900	R. A. Shepard	5/28/08 0900
R. A. Shepard	5/28/08 0901	FEDEX	
FEDEX		05.29.08	0901

Matrix *

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

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

TestAmerica St. Louis

SDG# SL740

FLUOR HANFORD

SL740

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **I08-037-39**

Page 1 of 1

Collector: Roy Sickle	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: I08-037	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 2UP1 MAY 2008	HNF-N-506-13	Ice Chest No.: GRI-03002 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7989 4992 1511
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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

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

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1V681		W	5/27/08	1318	1x20-mL P	Activity Scan	None
B1V681		W	5/27/08	1318	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	HCl or H2SO4 to pH <2 Cool~4C

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
Roy Sickle	0900 5/28/08	R. A. Shepard	0900 5/28/08
R. A. Shepard	0901 5/28/08	FEDEX	
FEDEX		05.29.08	0950

Matrix *

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

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

TestAmerica St. Louis

SDG# SL740

FLUOR HANFORD SL740

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **I08-037-40**

Page 1 of 1

Collector: Roy Sickle	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: 108-037	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 2UP1, MAY 2008	HNF-N-506-13	Ice Chest No. ~~CRP-03-002~~ Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 7989 4992 1511
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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

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

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1V682		W	5/27/08	1318	1x20-mL P	Activity Scan	None
B1V682		W	5/27/08	1318	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	HCl or H2SO4 to pH <2 Cool~4C

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
Roy Sickle	5/28/08 0900	R. A. Shepard	5/28/08 0900
R. A. Shepard	5/28/08 0901	FEDEX	
FED EX			05-29-08 0900

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# SL740

FLUOR HANFORD SL740

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **I08-037-47**

Page 1 of 1

Collector: Roy Sickle	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: I08-037	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 2UP1 MAY 2008	HNF-N-506-13	Ice Chest No.: LP-08-002 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7989 4992 1511
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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

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

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1V688		W	5/27/08	1440	1x20-mL P	Activity Scan	None
B1V688		W	5/27/08	1440	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	HCl or H2SO4 to pH <2 Cool~4C

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
Roy Sickle	5/28/08 0900	R. A. Shepard	5/28/08 0900
R. A. Shepard	5/28/08 0901	FEDEX	
FED EX		05.29.08 0900	

Matrix *

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

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

TestAmerica St. Louis

Track Shipments/FedEx Kinko's Orders

Detailed Results

Tracking number	798949921511	**Reference**	GRP-03-002
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	May 28, 2008	**Delivered to**	Shipping/Receiving
Delivery date	May 29, 2008 9:06 AM	**Service type**	Priority Overnight
		Weight	50.0 lbs.

Status Delivered

Signature image available Yes

Date/Time		Activity	Location
May 29, 2008	9:06 AM	**Delivered**	Earth City, MO
	7:04 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	6:58 AM	At local FedEx facility	EARTH CITY, MO
	5:52 AM	At dest sort facility	BERKELEY, MO
	4:11 AM	Departed FedEx location	MEMPHIS, TN
	12:46 AM	Arrived at FedEx location	MEMPHIS, TN
May 28, 2008	5:38 PM	Left origin	PASCO, WA
	4:07 PM	Picked up	PASCO, WA
	11:19 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

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- 3469 - Lot #(s): F8F290286 ~~F8F290290~~

Condition Upon Receipt Form

Client: Hanford COC/RFA No: below Date: 05-29-08
Quote No: 78747 Initiated By: Time: 0900

Shipping Information

Shipper Name: FedX Multiple Packages Y (N)

Shipping # (s):*
1. 7989 4992 1511 2. 3. 4. 5. 6. 7. 8. 9. 10.

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

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

1.	(Y) N	Are there custody seals present on the cooler?	8.	(Y) N	Are there custody seals present on bottles?
2.	Y (N) N/A	Do custody seals on cooler appear to be tampered with?	9.	Y (N) N/A	Do custody seals on bottles appear to be tampered with?
3.	(Y) N	Were contents of cooler frisked after opening, but before unpacking?	10.	(Y) N N/A	Was sample received with proper pH[1]? (If not, make note below)
4.	(Y) N	Sample received with Chain of Custody?	11.	Y N	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:
SU8-003-227
I08-037-95, 96, 39, 40, 47

Corrective Action:
☐ Client Contact Name: Informed by:
☐ Sample(s) processed "as is"
☐ Sample(s) on hold until: If released, notify:
Project Management Review: Date: 06-01-08

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

ADMIN-0004, REVISED 08/06/07\\Slsvr01\OA\FORMS\ST-LOUIS\ADMIN\Admin004 rev11.doc

SDG# SL740

CUL 3551

FLUOR HANFORD SL740

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W08-005-453**

Page 1 of 1

Collector Scott E. Hamaker	Contact/Requester Steve Trent	Telephone No. 509-373-5869 MSIN FAX
SAF No. W08-005	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title RCRA, MAY 2008	HNF-N-506-15	Ice Chest No. GRP.03-006 Temp.
Shipped To (Lab) TestAmerica St. Louis	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No. 7989 5526 2459
Protocol RCRA	Priority: 45 Days	Offsite Property No.

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

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

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VHH6		W	6-4-08	0940	1x20-mL P	Activity Scan	None
B1VHH6		W	"	"	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Scott E. Hamaker		Scott Hamaker	6-4-08 1400	Fedex			
FED EX				[illegible]			6/5/08 0915

Matrix *

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

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

TestAmerica St. Louis

Track Shipments/FedEx Kinko's Orders

Detailed Results

Tracking number	798955262459	**Reference**	GRP-03-006
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	Jun 4, 2008	**Delivered to**	Shipping/Receiving
Delivery date	Jun 5, 2008 9:09 AM	**Service type**	Priority Overnight
		Weight	71.0 lbs.

Status Delivered

Signature image available Yes

Date/Time		Activity	Location
Jun 5, 2008	9:09 AM	**Delivered**	Earth City, MO
	6:43 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	6:39 AM	At local FedEx facility	EARTH CITY, MO
	5:53 AM	At dest sort facility	BERKELEY, MO
	4:06 AM	Departed FedEx location	MEMPHIS, TN
	1:07 AM	Arrived at FedEx location	MEMPHIS, TN
Jun 4, 2008	5:34 PM	Left origin	PASCO, WA
	3:57 PM	Picked up	PASCO, WA
	3:40 PM	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.

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Lot #(s): - 3551 - FEF050325, 329, 335

Condition Upon Receipt Form

Client: Hanford
Quote No: 79460, 79093, 79515
COC/RFA No: See below
Initiated By:
Date: 4/5/08
Time: 0915

Shipping Information

Shipper Name: FE

Shipping # (s):*
1. 1989 5526 2459
2. 1995 3477 7620
3.
4.
5.
6.
7.
8.
9.
10.

Multiple Packages (Y) N

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

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

1.	(Y) N	Are there custody seals present on the cooler?	8.	(Y) N	Are there custody seals present on bottles?
2.	Y (N) N/A	Do custody seals on cooler appear to be tampered with?	9.	Y (N) N/A	Do custody seals on bottles appear to be tampered with?
3.	(Y) N	Were contents of cooler frisked after opening, but before unpacking?	10.	(Y) N N/A	Was sample received with proper pH[1]? (If not, make note below)
4.	(Y) N	Sample received with Chain of Custody?	11.	Y N	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: 1. I08-037-71, 80, W08-005-453, S08-004-123
2. I08-037-7, 8

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

Project Management Review: Date: 06-11-08

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

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SDG# SL740

CLR 3551

FLUOR HANFORD SL740

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **S08-004-123**

Collector: Scott E. Hamaker	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: S08-004	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV. APRIL 2008	HNF-N-506-15	Ice Chest No.: 6R7203-006 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7989 5526 2459
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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

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

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1TX71 (F)		W	6-4-08	1240	1x500-mL G/P	6020_METALS_ICPMS: Lead (1)	HNO3 to pH <2
B1TX71 (F)		W			1x500-mL G	7470_HG_CVAA: Mercury (1)	HNO3 to pH <2
B1TX71 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2
B1TX71 (F)		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18) {see item 1}	HNO3 to pH <2
B1TX72		W			1x500-mL G/P	6020_METALS_ICPMS: Lead (1)	HNO3 to pH <2
B1TX72		W			1x500-mL G	7470_HG_CVAA: Mercury (1)	HNO3 to pH <2
B1TX72		W			1x500-mL G/P	6020_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2
B1TX72		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
B1TX72		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1TX72		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18) {see item 1}	HNO3 to pH <2
B1TX75		W			1x250-mL G/P	9012_CYANIDE: Cyanide (1)	NaOH to pH >= 12 Cool~4C
B1TX75		W			1x20-mL P	Activity Scan	None
B1TX75		W			4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool~4C

Item 1 Antimony, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Strontium, Vanadium, Zinc

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Scott E. Hamaker	Scott Hamaker		6-4-08 1400	FedEx			
FedEx				B-N			6/5/08 0900

Matrix *

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

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

TestAmerica St. Louis

Track Shipments/FedEx Kinko's Orders

Detailed Results

Tracking number	798955262459	**Reference**	GRP-03-006
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	Jun 4, 2008	**Delivered to**	Shipping/Receiving
Delivery date	Jun 5, 2008 9:09 AM	**Service type**	Priority Overnight
		Weight	71.0 lbs.

Status Delivered

Signature image available Yes

Date/Time		Activity	Location
Jun 5, 2008	9:09 AM	**Delivered**	Earth City, MO
	6:43 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	6:39 AM	At local FedEx facility	EARTH CITY, MO
	5:53 AM	At dest sort facility	BERKELEY, MO
	4:06 AM	Departed FedEx location	MEMPHIS, TN
	1:07 AM	Arrived at FedEx location	MEMPHIS, TN
Jun 4, 2008	5:34 PM	Left origin	PASCO, WA
	3:57 PM	Picked up	PASCO, WA
	3:40 PM	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): - 3551 - FEF050325, 323, 335

Condition Upon Receipt Form

Client: Hanford
Quote No: 79460, 79093, 79515
COC/RFA No: See below
Initiated By:
Date: 4/5/08
Time: 0915

Shipping Information

Shipper Name: FE
Shipping # (s):*
1. 7989 5526 2459
2. 7993 3477 7620
3.
4.
5.
6.
7.
8.
9.
10.

Multiple Packages (Y) N
Sample Temperature (s):**
1. 2
2. 2
3.
4.
5.
6.
7.
8.
9.
10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

1.	(Y) N	Are there custody seals present on the cooler?	8.	(Y) N	Are there custody seals present on bottles?
2.	Y (N) N/A	Do custody seals on cooler appear to be tampered with?	9.	Y (N) N/A	Do custody seals on bottles appear to be tampered with?
3.	(Y) N	Were contents of cooler frisked after opening, but before unpacking?	10.	(Y) N N/A	Was sample received with proper pH[1]? (If not, make note below)
4.	(Y) N	Sample received with Chain of Custody?	11.	Y N	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: 1. I08-037-71, 80, W06-005-453, S08-004-123
2. I08-037-7, 8

Corrective Action:
☐ Client Contact Name: Informed by:
☐ Sample(s) processed "as is"
☐ Sample(s) on hold until: If released, notify:
Project Management Review: Date: 06-11-08

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

ADMIN-0004, REVISED 08/06/07\\Slsvr01\QA\FORMS\ST-LOUIS\ADMIN\Admin004 rev11.doc

SDG# SL740

FLUOR HANFORD SL740

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

71

C.O.C. # **I08-037-80**

Page 1 of 1

Collector D. Woehle	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. I08-037	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 2UP1 MAY 2008	HNF-N-506-12	**Ice Chest No.** GRP-07-006 **Temp.**
Shipped To (Lab) TestAmerica St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7989 5526 2459
Protocol SURV	**Priority:** 45 Days	**Offsite Property No.**

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

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
200 Area Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1V9V0		W	6-4-08	0930	3x500-mL G/P	9030_SULFIDE: Sulfide (1)	ZnAc+NaOH to pH >9 Cool~4C
B1V9V0		W			1x20-mL P	Activity Scan	None
B1V9V0		W			1x500-mL aG	420.2_PHENOL: Phenol total(1)	H2SO4 to pH <2 Cool~4C
B1V9V0		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
D. Woehle			6-4-08 1400				
Relinquished By			Date/Time	Received By			Date/Time
						6/5/08	0915
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

TestAmerica St. Louis

SDG# SL740

FLUOR HANFORD SL740

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **I08-037-71**

Page 1 of 1

Collector Scott E. Hamaker	Contact/Requester: Steve Trent	Telephone No. 509-373-5869 MSIN FAX
SAF No. I08-037	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 2UP1, MAY 2008	HNF-N-526-15	Ice Chest No. 6R7-03-006 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 7989 5526 2459
Protocol: SURV	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☑ No ☐
200 Area Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1V9R8		W	6.4.08	0900	3x500-mL G/P	9030_SULFIDE: Sulfide (1)	ZnAc+NaOH to pH >9 Cool~4C
B1V9R8		W	↓	↓	1x20-mL P	Activity Scan	None
B1V9R8		W			1x500-mL aG	420.2_PHENOL: Phenol total(1)	H2SO4 to pH <2 Cool~4C
B1V9R8		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
Scott E. Hamaker / Scott Hamaker	6.4.08 1400	FedEx	
FedEx		B-Ill	6/5/08 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# SL740

FLUOR HANFORD SL740

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

44

C.O.C.# **I08-037-8**

Page 1 of 1

Collector R. Ellingsworth	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. I08-037	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 2UP1 MAY 2008	HNF-N-586-16	**Ice Chest No.** TMA-3 **Temp.**
Shipped To (Lab) TestAmerica St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7993 3477 7620
Protocol SURV	**Priority:** 45 Days	**Offsite Property No.**

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

SPECIAL INSTRUCTIONS **Hold Time** **Total Activity Exemption:** Yes ☑ No ☐
200 Area Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1V660		W	6-4-08	0825	3x500-mL G/P	9030_SULFIDE: Sulfide (1)	ZnAc+NaOH to pH >9 Cool~4C
B1V660		W			1x20-mL P	Activity Scan	None
B1V660		W			1x500-mL aG	420.2_PHENOL: Phenol total(1)	H2SO4 to pH <2 Cool~4C
B1V660		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
R. Ellingsworth			6-4-08 1400	FedEx			
FedEx							6/5/08 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# SL740

FLUOR HANFORD SL740

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **I08-037-7**

Page 1 of 1

Collector R. Ellingsworth	Contact/Requester Steve Trent	Telephone No. 509-373-5869 MSIN FAX
SAF No. I08-037	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title 2UP1 MAY 2008	ANF-N-506-16	Ice Chest No. TMA-3 Temp.
Shipped To (Lab) TestAmerica St. Louis	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No. 7993 3477 7620
Protocol SURV	Priority: 45 Days	Offsite Property No.

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

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

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1V659		W	6-4-08	1107	3x500-mL G/P	9030_SULFIDE: Sulfide (1)	ZnAc+NaOH to pH >9 Cool~4C
B1V659		W			1x20-mL P	Activity Scan	None
B1V659		W			1x~~500~~-mL aG	420.2_PHENOL: Phenol total(1)	H2SO4 to pH <2 Cool~4C
B1V659		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
R. Ellingsworth			6-4-08 1400	FedEx			
FedEx							6/5/08 0800

Matrix *

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

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

TestAmerica St. Louis

Track Shipments/FedEx Kinko's Orders

Detailed Results

Tracking number	798955262459	**Reference**	GRP-03-006
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	Jun 4, 2008	**Delivered to**	Shipping/Receiving
Delivery date	Jun 5, 2008 9:09 AM	**Service type**	Priority Overnight
		Weight	71.0 lbs.
Status	Delivered		
Signature image available	Yes		

Date/Time		Activity	Location
Jun 5, 2008	9:09 AM	**Delivered**	Earth City, MO
	6:43 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	6:39 AM	At local FedEx facility	EARTH CITY, MO
	5:53 AM	At dest sort facility	BERKELEY, MO
	4:06 AM	Departed FedEx location	MEMPHIS, TN
	1:07 AM	Arrived at FedEx location	MEMPHIS, TN
Jun 4, 2008	5:34 PM	Left origin	PASCO, WA
	3:57 PM	Picked up	PASCO, WA
	3:40 PM	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

Track Shipments/FedEx Kinko's Orders

Detailed Results

Tracking number	799334777620	**Reference**	TMA-3
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	Jun 4, 2008	**Delivered to**	Shipping/Receiving
Delivery date	Jun 5, 2008 9:09 AM	**Service type**	Priority Overnight
		Weight	44.0 lbs.

Status Delivered

Signature image available Yes

Date/Time		Activity	Location
Jun 5, 2008	9:09 AM	**Delivered**	Earth City, MO
	6:47 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	6:43 AM	At local FedEx facility	EARTH CITY, MO
	5:53 AM	At dest sort facility	BERKELEY, MO
	4:06 AM	Departed FedEx location	MEMPHIS, TN
	1:07 AM	Arrived at FedEx location	MEMPHIS, TN
Jun 4, 2008	5:34 PM	Left origin	PASCO, WA
	3:57 PM	Picked up	PASCO, WA
	3:41 PM	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): - 3551 - F8F050325, 324, 335

Condition Upon Receipt Form

Client: Hanford
Quote No: ~~79460~~, 79093, 79515
COC/RFA No: See below
Initiated By:
Date: 4/5/08
Time: 09:15

Shipping Information

Shipper Name: FE

Shipping # (s):*

1. 7989 5526 2459
2. 7995 3477 7620
3.
4.
5.
6.
7.
8.
9.
10.

Multiple Packages (Y) N

Sample Temperature (s):**

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

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

1.	(Y) N	Are there custody seals present on the cooler?	8.	(Y) N	Are there custody seals present on bottles?
2.	Y (N) N/A	Do custody seals on cooler appear to be tampered with?	9.	Y (N) N/A	Do custody seals on bottles appear to be tampered with?
3.	(Y) N	Were contents of cooler frisked after opening, but before unpacking?	10.	(Y) N N/A	Was sample received with proper pH[1]? (If not, make note below)
4.	(Y) N	Sample received with Chain of Custody?	11.	Y N	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: 1. F08-037-71, 80, W08-005-453, S08-004-123
2. F08-037-7, 8

Corrective Action:

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

Project Management Review: Date: 06-11-08

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

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SDG# SL740

FLUOR HANFORD COC 3605 SL740

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **I08-037-55**

Page 1 of 1

Collector: R. Ellingsworth	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: I08-037	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 2UP1 MAY 2008	HRF-N-556-16	Ice Chest No.: 6W3-002 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7919 1231 1648
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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

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

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1V692		W	6-5-08	0944	1x20-mL P	Activity Scan	None
B1V692		W			4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	HCl or H2SO4 to pH <2 Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
R. Ellingsworth			JUN 05 2008 1400	FED EX			JUN 05 2008 1400
Relinquished By: FED EX			Date/Time	Received By: [illegible]			Date/Time: 6/6/08 0930
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

TestAmerica St. Louis

Track Shipments/FedEx Kinko's Orders

Detailed Results

Tracking number	791912311648	**Reference**	GWS-002
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	Jun 5, 2008	**Delivered to**	Shipping/Receiving
Delivery date	Jun 6, 2008 9:32 AM	**Service type**	Priority Overnight
		Weight	22.0 lbs.

Status Delivered

Signature image available Yes

Date/Time		Activity	Location
Jun 6, 2008	9:32 AM	**Delivered**	Earth City, MO
	7:23 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	7:18 AM	At local FedEx facility	EARTH CITY, MO
	6:16 AM	At dest sort facility	BERKELEY, MO
	4:22 AM	Departed FedEx location	MEMPHIS, TN
	2:57 AM	In transit	MEMPHIS, TN
	1:50 AM	Arrived at FedEx location	MEMPHIS, TN
Jun 5, 2008	5:26 PM	Left origin	PASCO, WA
	4:12 PM	Picked up	PASCO, WA
	3:05 PM	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

- 3605 - Lot #(s): F8F060257, 259

Condition Upon Receipt Form

Client: Hanford
Quote No: 79515/79481
COC/RFA No: see below
Initiated By: BD
Date: 6/6/08
Time: 0830

Shipping Information

Shipper Name: FE
Shipping # (s):*
1. 7919 1231 1648
2. 7960 2919 5279
3.
4.
5.
6.
7.
8.
9.
10.

Multiple Packages (Y) N
Sample Temperature (s):**
1. 2
2. ~~7~~ 13
3.
4.
5.
6.
7.
8.
9.
10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

1.	(Y) N	Are there custody seals present on the cooler?	8.	(Y) N	Are there custody seals present on bottles?
2.	Y (N) N/A	Do custody seals on cooler appear to be tampered with?	9.	Y (N) N/A	Do custody seals on bottles appear to be tampered with?
3.	(Y) N	Were contents of cooler frisked after opening, but before unpacking?	10.	(Y) N N/A	Was sample received with proper pH[1]? (If not, make note below)
4.	(Y) N	Sample received with Chain of Custody?	11.	Y N	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: 1. IOB-037-55, WOB-005-436, 454
2. WOB-006-8, 9, 20 ~~*~~ Received out of temp
1 LG received broken for BIVPLO & BIVPL2

Corrective Action:
☐ Client Contact Name: Informed by:
☐ Sample(s) processed "as is"
☐ Sample(s) on hold until: If released, notify:
Project Management Review: Date: 06-11-08

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

SDG# SL740

FLUOR HANFORD SL740

CCR 3608

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W08-005-454**

Page 1 of 1

Collector: R. Ellingsworth	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: W08-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA MAY 2008	HNF-N-506-1C	Ice Chest No.: QWS-002 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7919 1231 1698
Protocol: RCRA	Priority: 45 Days	Offsite Property No.

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

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

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VHH7		W	6-5-08	0944	1x20-mL P	Activity Scan	None
B1VHH7		W	1	1	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
R. Ellingsworth			JUN 05 2008 1400	FEDEX			JUN 05 2008 1400
FEDEX				D-Rl			6/6/08 0930

Matrix *

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

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

TestAmerica St. Louis

SDG# SL740

FLUOR HANFORD SL740

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W08-005-436**

Page 1 of 1

Collector: R. Ellingsworth	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: W08-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA MAY 2008	HNF-N-SOL-16	Ice Chest No.: AW3-002 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7919 1231 1648
Protocol: RCRA	Priority: 45 Days	Offsite Property No.

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

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

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1V8C7		W	6-5-08	1210	1x20-mL P	Activity Scan	None
B1V8C7		W	1	1	3x1000-mL aG	8270_SVOA_GCMS: 1,4 Dioxane (1)	Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
R. Ellingsworth			JUN 05 2008	FED EX			JUN 05 2008
Relinquished By: FED EX			Date/Time	Received By: 8-24			Date/Time: 6/6/08 0930
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

TestAmerica St. Louis

Track Shipments/FedEx Kinko's Orders

Detailed Results

Tracking number	791912311648	**Reference**	GWS-002
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	Jun 5, 2008	**Delivered to**	Shipping/Receiving
Delivery date	Jun 6, 2008 9:32 AM	**Service type**	Priority Overnight
		Weight	22.0 lbs.

Status Delivered

Signature image available Yes

Date/Time		Activity	Location
Jun 6, 2008	9:32 AM	**Delivered**	Earth City, MO
	7:23 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	7:18 AM	At local FedEx facility	EARTH CITY, MO
	6:16 AM	At dest sort facility	BERKELEY, MO
	4:22 AM	Departed FedEx location	MEMPHIS, TN
	2:57 AM	In transit	MEMPHIS, TN
	1:50 AM	Arrived at FedEx location	MEMPHIS, TN
Jun 5, 2008	5:26 PM	Left origin	PASCO, WA
	4:12 PM	Picked up	PASCO, WA
	3:05 PM	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): - 3605 - F8F060257 3549

Condition Upon Receipt Form

Client: Hanford
Quote No: 79515/79481
COC/RFA No: See below
Initiated By: GD
Date: 6/6/08
Time: 0930

Shipping Information

Shipper Name: FE

Multiple Packages (Y) N

Shipping # (s):*

1. 7919 1231 1648	6.		
2. 7960 2919 3279	7.		
3.	8.		
4.	9.		
5.	10.		

Sample Temperature (s):**

1. 2	6.
2. ~~1~~ 13	7.
3.	8.
4.	9.
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	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: 1. IOB-037-55, WOB-005-436, 454
2. WOB-006-8, 9, 20 * Received out of temp
1 LG received broken for BIVPLO & BIVPL2

Corrective Action:
☐ Client Contact Name: Informed by:
☐ Sample(s) processed "as is"
☐ Sample(s) on hold until: If released, notify:
Project Management Review: Date: 06-11-08

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

ADMIN 0004 REVISED 08/06/07\\Steve01\QA\FORMS\ST-LOUIS\ADMIN\Admin004 rev11.doc

SDG# SL740

SDG# SL740

FLUOR HANFORD CCL 9605 SL740

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-006-8

Page 1 of 1

Collector: R. A. Shepard	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: W08-006	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA JUNE 2008	HNF-N-506-15	Ice Chest No.: ERC-02-401 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 790029193279
Protocol: RCRA	Priority: 45 Days	Offsite Property No.

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

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

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VPJ7		W	6/05/08	1130	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
B1VPJ7		W	↓	↓	1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1VPJ8		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
B1VPJ8		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1VPJ9		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
B1VPJ9		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1VPK0		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
B1VPK0		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1VPK5		W			1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
R. A. Shepard			JUN 05 2008 1400	FedEx			
RDEF							6/6/08 0930

Matrix *

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

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

TestAmerica St. Louis

SDG# SL740

FLUOR HANFORD SL740

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W08-006-20**

Page 1 of 1

Collector: R. A. Shepard	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: W08-006	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA JUNE 2008	HNF-N-506-15	Ice Chest No.: ERC-02-C101 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7900 2919 3279
Protocol: RCRA	Priority: 45 Days	Offsite Property No.

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

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

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VPP5		W	6/05/08	1255	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
B1VPP6		W	↓	↓	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
B1VPP7		W	↓	↓	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
B1VPP8		W	↓	↓	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
B1VPR3		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
R. A. Shepard			JUN 0 5 2008 1400	FedEx			
FedEx							6/6/08 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

TestAmerica St. Louis

SDG# SL740

FLUOR HANFORD SL740	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # W08-006-9 Page 1 of 1

Collector: R. A. Shepard	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: W08-006	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA JUNE 2008	HNF-N-506-15	Ice Chest No.: ERC-02-401 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt Vehicle	Bill of Lading/Air Bill No.: 790029193279
Protocol: RCRA	Priority: 45 Days	Offsite Property No.

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

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VPK6		W	6/5/08	0900	1x20-mL P	Activity Scan	None
B1VPK9		W	↓	↓	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
B1VPL0		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
B1VPL1		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
B1VPL2		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
R. A. Shepard			1400 JUN 05 2008	FedEx			
Relinquished By: FedEx			Date/Time	Received By: B-R			6/6/08 0950
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

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

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

TestAmerica St. Louis

Track Shipments/FedEx Kinko's Orders

Detailed Results

Tracking number	790029193279	**Reference**	ERC-02-401
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	Jun 5, 2008	**Delivered to**	Shipping/Receiving
Delivery date	Jun 6, 2008 9:32 AM	**Service type**	Priority Overnight
		Weight	86.0 lbs.
Status	Delivered		
Signature image available	Yes		

Date/Time		Activity	Location
Jun 6, 2008	9:32 AM	**Delivered**	Earth City, MO
	7:07 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	7:01 AM	At local FedEx facility	EARTH CITY, MO
	6:16 AM	At dest sort facility	BERKELEY, MO
	4:22 AM	Departed FedEx location	MEMPHIS, TN
	2:57 AM	In transit	MEMPHIS, TN
	1:50 AM	Arrived at FedEx location	MEMPHIS, TN
Jun 5, 2008	5:26 PM	Left origin	PASCO, WA
	4:22 PM	Package data transmitted to FedEx	
	4:12 PM	Picked up	PASCO, WA

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): - 3605 - F8F100216

Condition Upon Receipt Form

Client: Hanford
Quote No: 79814
COC/RFA No: see below
Initiated By: DD
Date: 6/6/08
Time: 0930

Shipping Information

Shipper Name: FE

Multiple Packages (Y) N

Shipping # (s):*

1. 7919 1231 1648
2. 7960 2919 3279
3.
4.
5.
6.
7.
8.
9.
10.

Sample Temperature (s):**

1. 2
2. ~~4~~ 13
3.
4.
5.
6.
7.
8.
9.
10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

1.	(Y) N	Are there custody seals present on the cooler?	8.	(Y) N	Are there custody seals present on bottles?
2.	Y (N) N/A	Do custody seals on cooler appear to be tampered with?	9.	Y (N) N/A	Do custody seals on bottles appear to be tampered with?
3.	(Y) N	Were contents of cooler frisked after opening, but before unpacking?	10.	(Y) N N/A	Was sample received with proper pH[1]? (If not, make note below)
4.	(Y) N	Sample received with Chain of Custody?	11.	Y N	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: 1. LOB-037-55, WOB-005-436, 454
2. WOB-006-5, 9, 20 ~~4~~ Received out of temp
1 LG received broken for BIVPLO & BIVAL2

Corrective Action:
☐ Client Contact Name: Informed by:
☐ Sample(s) processed "as is"
☐ Sample(s) on hold until: If released, notify:
Project Management Review: Michael H Date: 06-11-08

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

SDG# SL740

FLUOR HANFORD

SL740 CWL 3492

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **I08-043-13**

Page 1 of 1

Collector: KE Hamilton	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: I08-043	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 2UP1 JUNE 2008	HNF-N-506-15	Ice Chest No.: ERC-1 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7960 1065 2916
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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

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

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VKV1		W	6-9-08	1018	3x1000-mL aG	8270_SVOA_GCMS: 1,4 Dioxane (1)	Cool~4C
B1VKV1		W	↓	↓	3x500-mL G/P	9030_SULFIDE: Sulfide (1)	ZnAc+NaOH to pH >9 Cool~4C
B1VKV1		W			1x20-mL P	Activity Scan	None
B1VKV1		W			1x500-mL aG	420.2_PHENOL: Phenol total(1)	H2SO4 to pH <2 Cool~4C
B1VKV1		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
KE Hamilton	Kevin E Hamilton	JUN 09 2008	6-9-08 1130	RMA 6-9-08	RM Arnold	RM Arnold	6-9-08 1130
RM Arnold	RM Arnold		6/9/08 1400	FEDEX			
FEDEX				6-10			6/10/08 0930
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

TestAmerica St. Louis

SDG# SL740

FLUOR HANFORD SL740

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **I08-043-14**

Page 1 of 1

Collector: KE Hamilton	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
IAF No.: I08-043	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 2UP1 JUNE 2008	HNF-N-506-15	Ice Chest No.: ERC-1 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7960 1065 2916
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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

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

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VKV2		W	6-9-08	1018	3x1000-mL aG	8270_SVOA_GCMS: 1,4 Dioxane (1)	Cool~4C
B1VKV2		W			3x500-mL G/P	9030_SULFIDE: Sulfide (1)	ZnAc+NaOH to pH >9 Cool~4C
B1VKV2		W			1x20-mL P	Activity Scan	None
B1VKV2		W			1x500-mL aG	420.2_PHENOL: Phenol total(1)	H2SO4 to pH <2 Cool~4C
B1VKV2		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
KE Hamilton		JUN 09 2008	6-9-08 1130				6-9-08 1130
Relinquished By: RW Arnold		RW Arnold	6/9/08 1400	Received By: FEDEX			Date/Time
Relinquished By: FEDEX			Date/Time	Received By: B. Ril			6/10/08 0930
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

TestAmerica St. Louis

Track Shipments/FedEx Kinko's Orders

Detailed Results

Tracking number	796010652916	**Reference**	ERC-1
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	Jun 9, 2008	**Delivered to**	Shipping/Receiving
Delivery date	Jun 10, 2008 9:27 AM	**Service type**	Priority Overnight
		Weight	64.0 lbs.
Status	Delivered		
Signature image available	Yes		

Date/Time		Activity	Location
Jun 10, 2008	9:27 AM	**Delivered**	Earth City, MO
	7:06 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	7:01 AM	At local FedEx facility	EARTH CITY, MO
	6:03 AM	At dest sort facility	BERKELEY, MO
	5:15 AM	Departed FedEx location	MEMPHIS, TN
	12:43 AM	Arrived at FedEx location	MEMPHIS, TN
Jun 9, 2008	5:35 PM	Left origin	PASCO, WA
	3:48 PM	Picked up	PASCO, WA
	3:05 PM	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): F8F100222
- 3492 -

Condition Upon Receipt Form

Client: Hanford
Quote No: 79816
COC/RFA No: F08-043-13,14
Initiated By:
Date: 6/10/08
Time: 0930

Shipping Information

Shipper Name: N
Shipping # (s):*
1. 7960 1065 2916
2.
3.
4.
5.
6.
7.
8.
9.
10.

Multiple Packages Y (N)
Sample Temperature (s):**
1. 4
2.
3.
4.
5.
6.
7.
8.
9.
10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

1.	(Y) N	Are there custody seals present on the cooler?	8.	(Y) N	Are there custody seals present on bottles?
2.	Y (N) N/A	Do custody seals on cooler appear to be tampered with?	9.	Y (N) N/A	Do custody seals on bottles appear to be tampered with?
3.	(Y) N	Were contents of cooler frisked after opening, but before unpacking?	10.	(Y) N N/A	Was sample received with proper pH[1]? (If not, make note below)
4.	(Y) N	Sample received with Chain of Custody?	11.	Y N	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:

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

Project Management Review: Date: 06-11-08

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

ADMIN-0004, REVISED 08/06/07\\Slm-01\QA\FORMS\ST-LOUIS\ADMIN\Admin004 rev11.doc

VOLATILES

Fluor Hanford Inc

Client Sample ID: B1V367

GC/MS Volatiles

Lot-Sample #...: F8E290286-001 **Work Order #...:** KN3MQ1AC **Matrix.....:** WATER
Date Sampled...: 05/27/08 **Date Received..:** 05/29/08
Prep Date.....: 05/30/08 **Analysis Date..:** 05/30/08
Prep Batch #...: 8158322
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.085
1,4-Dioxane	ND	80	ug/L	7.0
Ethylbenzene	ND	1.0	ug/L	0.061
Vinyl chloride	ND	2.0	ug/L	0.13
Acetone	ND	2.0	ug/L	0.56
Methylene chloride	**0.57 J**	**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	95	(70 - 119)
Dibromofluoromethane	97	(70 - 124)
1,2-Dichloroethane-d4	108	(63 - 133)
4-Bromofluorobenzene	99	(66 - 115)

NOTE(S):

J Estimated result. Result is less than RL.

Fluor Hanford Inc

B1V367

GC/MS Volatiles

Lot-Sample #: F8E290286-001 **Work Order #:** KN3MQ1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

Fluor Hanford Inc

Client Sample ID: B1V681

GC/MS Volatiles

Lot-Sample #...: F8E290290-003 **Work Order #...:** KN3PD1AC **Matrix.....:** WATER
Date Sampled...: 05/27/08 **Date Received..:** 05/29/08
Prep Date.....: 05/30/08 **Analysis Date..:** 05/30/08
Prep Batch #...: 8158322
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	4.2
Acrolein	ND	10	ug/L	0.52
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	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	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
Vinyl chloride	ND	2.0	ug/L	0.13

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Fluor Hanford Inc

Client Sample ID: B1V681

GC/MS Volatiles

Lot-Sample #...: F8E290290-003 **Work Order #...:** KN3PD1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
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	**2.7**	**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	**13**	**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	**0.37 J**	**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	(70 - 119)
Dibromofluoromethane	102	(70 - 124)
1,2-Dichloroethane-d4	111	(63 - 133)
4-Bromofluorobenzene	96	(66 - 115)

NOTE(S):

J Estimated result. Result is less than RL.

Fluor Hanford Inc

B1V681

GC/MS Volatiles

Lot-Sample #: F8E290290-003 **Work Order #:** KN3PD1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

Fluor Hanford Inc

Client Sample ID: B1V682

GC/MS Volatiles

Lot-Sample #...: F8E290290-004 **Work Order #...:** KN3PN1AC **Matrix.....:** WATER
Date Sampled...: 05/27/08 **Date Received..:** 05/29/08
Prep Date.....: 05/30/08 **Analysis Date..:** 05/30/08
Prep Batch #...: 8158322
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	4.2
Acrolein	ND	10	ug/L	0.52
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	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	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
Vinyl chloride	ND	2.0	ug/L	0.13

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Fluor Hanford Inc

Client Sample ID: B1V682

GC/MS Volatiles

Lot-Sample #...: F8E290290-004 **Work Order #...:** KN3PN1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.56
Methylene chloride	**0.42 J**	**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	(70 - 119)
Dibromofluoromethane	100	(70 - 124)
1,2-Dichloroethane-d4	108	(63 - 133)
4-Bromofluorobenzene	93	(66 - 115)

NOTE(S):

J Estimated result. Result is less than RL.

Fluor Hanford Inc

B1V682

GC/MS Volatiles

Lot-Sample #: F8E290290-004 **Work Order #:** KN3PN1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

Fluor Hanford Inc

Client Sample ID: B1V688

GC/MS Volatiles

Lot-Sample #...: F8E290290-005 **Work Order #...:** KN3P11AC **Matrix.....:** WATER
Date Sampled...: 05/27/08 **Date Received..:** 05/29/08
Prep Date.....: 05/30/08 **Analysis Date..:** 05/30/08
Prep Batch #...: 8158322
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
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
Acetonitrile	ND	5.0	ug/L	4.2
Acrolein	ND	10	ug/L	0.52
Bromodichloromethane	**0.14 J**	**1.0**	**ug/L**	**0.088**
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	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	1.0	ug/L	0.48
Chloroethane	ND	2.0	ug/L	0.085
Chloromethane	**0.21 J**	**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
Vinyl chloride	ND	2.0	ug/L	0.13

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Fluor Hanford Inc

Client Sample ID: B1V688

GC/MS Volatiles

Lot-Sample #...: F8E290290-005 **Work Order #...:** KN3P11AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.56
Methylene chloride	ND	1.0	ug/L	0.091
Carbon disulfide	**0.37 J**	**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	**7.2**	**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
1,2-Dichloroethane	ND	1.0	ug/L	0.18
Benzene	ND	1.0	ug/L	0.032
Trichloroethene	**6.2**	**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	96	(70 - 119)
Dibromofluoromethane	88	(70 - 124)
1,2-Dichloroethane-d4	102	(63 - 133)
4-Bromofluorobenzene	96	(66 - 115)

NOTE(S):

J Estimated result. Result is less than RL.

Fluor Hanford Inc

B1V688

GC/MS Volatiles

Lot-Sample #: F8E290290-005 **Work Order #:** KN3P11AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

Fluor Hanford Inc

Client Sample ID: B1V688

GC/MS Volatiles

Lot-Sample #...: F8E290290-005 **Work Order #...:** KN3P12AC **Matrix.....:** WATER
Date Sampled...: 05/27/08 **Date Received..:** 05/29/08
Prep Date.....: 06/09/08 **Analysis Date..:** 06/09/08
Prep Batch #...: 8162183
Dilution Factor: 20 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Carbon tetrachloride	**410 D**	**20**	**ug/L**	**0.84**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	106	(70 - 119)
Dibromofluoromethane	95	(70 - 124)
1,2-Dichloroethane-d4	100	(63 - 133)
4-Bromofluorobenzene	120 *	(66 - 115)

NOTE(S):

* Surrogate recovery is outside stated control limits.

D Result was obtained from the analysis of a dilution.

Fluor Hanford Inc

Client Sample ID: B1VHH6

GC/MS Volatiles

Lot-Sample #...: F8F050325-001 **Work Order #...:** KPF3W1AC **Matrix.....:** WATER
Date Sampled...: 06/04/08 **Date Received..:** 06/05/08
Prep Date.....: 06/09/08 **Analysis Date..:** 06/09/08
Prep Batch #...: 8162183
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.085
1,4-Dioxane	ND	80	ug/L	7.0
Ethylbenzene	ND	1.0	ug/L	0.061
Vinyl chloride	ND	2.0	ug/L	0.13
Acetone	ND	2.0	ug/L	0.56
Methylene chloride	**26**	**1.0**	**ug/L**	**0.091**
Carbon disulfide	ND T	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	102	(70 - 119)
Dibromofluoromethane	105	(70 - 124)
1,2-Dichloroethane-d4	104	(63 - 133)
4-Bromofluorobenzene	123 *	(66 - 115)

NOTE(S):

* Surrogate recovery is outside stated control limits.

T Spike sample recovery is outside control limits.

Fluor Hanford Inc

B1VHH6

GC/MS Volatiles

Lot-Sample #: F8F050325-001 **Work Order #:** KPF3W1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

Fluor Hanford Inc

Client Sample ID: B1TX75

GC/MS Volatiles

Lot-Sample #...: F8F050329-003 **Work Order #...:** KPF4L1AC **Matrix.....:** WATER
Date Sampled...: 06/04/08 **Date Received..:** 06/05/08
Prep Date.....: 06/09/08 **Analysis Date..:** 06/09/08
Prep Batch #...: 8162183
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.085
1,4-Dioxane	ND	80	ug/L	7.0
Ethylbenzene	ND	1.0	ug/L	0.061
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 T	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	105	(70 - 119)
Dibromofluoromethane	100	(70 - 124)
1,2-Dichloroethane-d4	99	(63 - 133)
4-Bromofluorobenzene	120 *	(66 - 115)

NOTE(S):

* Surrogate recovery is outside stated control limits.

T Spike sample recovery is outside control limits.

Fluor Hanford Inc

B1TX75

GC/MS Volatiles

Lot-Sample #: F8F050329-003 **Work Order #:** KPF4L1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

Fluor Hanford Inc

Client Sample ID: B1V692

GC/MS Volatiles

Lot-Sample #...: F8F060257-001 **Work Order #...:** KPH3R1AC **Matrix.....:** WATER
Date Sampled...: 06/05/08 **Date Received..:** 06/06/08
Prep Date.....: 06/09/08 **Analysis Date..:** 06/09/08
Prep Batch #...: 8162183
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	4.2
Acrolein	ND	10	ug/L	0.52
Bromodichloromethane	ND	1.0	ug/L	0.088
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	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	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
Vinyl chloride	ND	2.0	ug/L	0.13

(Continued on next page)

Fluor Hanford Inc

Client Sample ID: B1V692

GC/MS Volatiles

Lot-Sample #...: F8F060257-001 **Work Order #...:** KPH3R1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.56
Methylene chloride	ND	1.0	ug/L	0.091
Carbon disulfide	**25 T**	**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	**2.5**	**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	**20**	**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	**5.1**	**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	104	(70 - 119)
Dibromofluoromethane	105	(70 - 124)
1,2-Dichloroethane-d4	99	(63 - 133)
4-Bromofluorobenzene	128 *	(66 - 115)

NOTE(S):

* Surrogate recovery is outside stated control limits.

T Spike sample recovery is outside control limits.

Fluor Hanford Inc

B1V692

GC/MS Volatiles

Lot-Sample #: F8F060257-001 **Work Order #:** KPH3R1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

Fluor Hanford Inc

Client Sample ID: B1VHH7

GC/MS Volatiles

Lot-Sample #...: F8F060259-001 **Work Order #...:** KPH311AC **Matrix.....:** WATER
Date Sampled...: 06/05/08 **Date Received..:** 06/06/08
Prep Date.....: 06/09/08 **Analysis Date..:** 06/09/08
Prep Batch #...: 8162183
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.085
1,4-Dioxane	ND	80	ug/L	7.0
Ethylbenzene	ND	1.0	ug/L	0.061
Vinyl chloride	ND	2.0	ug/L	0.13
Acetone	ND	2.0	ug/L	0.56
Methylene chloride	**2.2**	**1.0**	**ug/L**	**0.091**
Carbon disulfide	ND T	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	104	(70 - 119)
Dibromofluoromethane	103	(70 - 124)
1,2-Dichloroethane-d4	103	(63 - 133)
4-Bromofluorobenzene	114	(66 - 115)

NOTE(S):

T Spike sample recovery is outside control limits.

Fluor Hanford Inc

B1VHH7

GC/MS Volatiles

Lot-Sample #: F8F060259-001 **Work Order #:** KPH311AC **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 #...: SL740 **Work Order #...:** KPH3X1AA **Matrix.....:** WATER
MB Lot-Sample #: F8F060000-322

Prep Date.....: 05/30/08
Analysis Date..: 05/30/08 **Prep Batch #...:** 8158322
Dilution Factor: 1

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

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL740 **Work Order #...:** KPH3X1AA **Matrix.....:** WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	95	(70 - 119)
Dibromofluoromethane	100	(70 - 124)
1,2-Dichloroethane-d4	110	(63 - 133)
4-Bromofluorobenzene	98	(66 - 115)

NOTE(S):

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

Fluor Hanford Inc

Method Blank Report

GC/MS Volatiles

Lot-Sample #: F8F060000-322 B **Work Order #:** KPH3X1AA **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 #...: SL740 **Work Order #...:** KPMA51AA **Matrix.....:** WATER
MB Lot-Sample #: F8F100000-183

Prep Date.....: 06/09/08
Analysis Date..: 06/09/08 **Prep Batch #...:** 8162183
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	20	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Acetonitrile	ND	5.0	ug/L	SW846 8260B
Acrolein	ND	10	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	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	**0.13 J**	**2.0**	**ug/L**	**SW846 8260B**
Allyl chloride	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	2.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	2.0	ug/L	SW846 8260B
Isobutanol	ND	80	ug/L	SW846 8260B
Methacrylonitrile	ND	5.0	ug/L	SW846 8260B
Methyl methacrylate	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	2.0	ug/L	SW846 8260B
Acetone	ND	2.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL740 **Work Order #...:** KPMA51AA **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	104	(70 - 119)
Dibromofluoromethane	99	(70 - 124)
1,2-Dichloroethane-d4	95	(63 - 133)
4-Bromofluorobenzene	131 *	(66 - 115)

NOTE(S):

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

J Estimated result. Result is less than RL.

* Surrogate recovery is outside stated control limits.

Fluor Hanford Inc

Method Blank Report

GC/MS Volatiles

Lot-Sample #: F8F100000-183 B **Work Order #:** KPMA51AA **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 #...: SL740 **Work Order #...:** KPH3X1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F8F060000-322 KPH3X1AD-LCSD
Prep Date.....: 05/30/08 **Analysis Date..:** 05/30/08
Prep Batch #...: 8158322
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2-Hexanone	10.0	9.93	ug/L	99		SW846 8260B
	10.0	8.83	ug/L	88	12	SW846 8260B
Chlorobenzene	10.0	9.87	ug/L	99		SW846 8260B
	10.0	9.63	ug/L	96	2.5	SW846 8260B
Bromoform	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.3	ug/L	103	1.4	SW846 8260B
Ethylbenzene	10.0	9.98	ug/L	100		SW846 8260B
	10.0	9.72	ug/L	97	2.6	SW846 8260B
Styrene	10.0	10.3	ug/L	103		SW846 8260B
	10.0	10.2	ug/L	102	0.58	SW846 8260B
1,1,2,2-Tetrachloroethane	10.0	10.2	ug/L	102		SW846 8260B
	10.0	9.62	ug/L	96	6.1	SW846 8260B
Allyl chloride	10.0	10.6	ug/L	106		SW846 8260B
	10.0	10.3	ug/L	103	2.6	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	10.0	10.5	ug/L	105		SW846 8260B
	10.0	9.31	ug/L	93	12	SW846 8260B
1,2-Dibromoethane	10.0	9.97	ug/L	100		SW846 8260B
	10.0	9.80	ug/L	98	1.7	SW846 8260B
trans-1,4-Dichloro-2-butene	10.0	11.1	ug/L	111		SW846 8260B
	10.0	10.2	ug/L	102	8.5	SW846 8260B
Dichlorodifluoromethane (Freon 12)	10.0	9.34	ug/L	93		SW846 8260B
	10.0	11.8 p	ug/L	118	23	SW846 8260B
Ethyl methacrylate	10.0	9.20	ug/L	92		SW846 8260B
	10.0	8.86	ug/L	89	3.7	SW846 8260B
Methyl methacrylate	10.0	9.59	ug/L	96		SW846 8260B
	10.0	9.07	ug/L	91	5.5	SW846 8260B
1,1,1,2-Tetrachloroethane	10.0	10.2	ug/L	102		SW846 8260B
	10.0	9.94	ug/L	99	2.5	SW846 8260B
Trichlorofluoromethane	10.0	10.4	ug/L	104		SW846 8260B
	10.0	9.32	ug/L	93	11	SW846 8260B
Acetonitrile	50.0	64.0	ug/L	128		SW846 8260B
	50.0	51.5 p	ug/L	103	22	SW846 8260B
Iodomethane	10.0	11.2	ug/L	112		SW846 8260B
	10.0	11.0	ug/L	110	2.5	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL740 **Work Order #...:** KPH3X1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F8F060000-322 KPH3X1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Vinyl acetate	10.0	12.5	ug/L	125		SW846 8260B
	10.0	11.2	ug/L	112	11	SW846 8260B
Acrolein	50.0	51.2	ug/L	102		SW846 8260B
	50.0	44.2	ug/L	88	15	SW846 8260B
Isobutanol	200	255	ug/L	128		SW846 8260B
	200	205 p	ug/L	103	22	SW846 8260B
Methacrylonitrile	50.0	56.6	ug/L	113		SW846 8260B
	50.0	50.4	ug/L	101	12	SW846 8260B
1,4-Dioxane	200	256	ug/L	128		SW846 8260B
	200	174 p	ug/L	87	38	SW846 8260B
Chloroprene	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.6	ug/L	106	1.6	SW846 8260B
cis-1,3-Dichloropropene	10.0	10.6	ug/L	106		SW846 8260B
	10.0	10.2	ug/L	102	4.2	SW846 8260B
Dibromochloromethane	10.0	10.7	ug/L	107		SW846 8260B
	10.0	10.3	ug/L	103	3.8	SW846 8260B
Chloromethane	10.0	9.05	ug/L	90		SW846 8260B
	10.0	8.24	ug/L	82	9.4	SW846 8260B
Bromomethane	10.0	11.0	ug/L	110		SW846 8260B
	10.0	10.2	ug/L	102	7.5	SW846 8260B
Chloroethane	10.0	8.95	ug/L	89		SW846 8260B
	10.0	8.67	ug/L	87	3.2	SW846 8260B
1,1-Dichloroethene	10.0	9.48	ug/L	95		SW846 8260B
	10.0	9.82	ug/L	98	3.5	SW846 8260B
1,2-Dichloroethene (total)	20.0	19.7	ug/L	99		SW846 8260B
	20.0	19.8	ug/L	99	0.60	SW846 8260B
1,2-Dichloropropane	10.0	10.1	ug/L	101		SW846 8260B
	10.0	9.70	ug/L	97	4.3	SW846 8260B
Bromodichloromethane	10.0	10.5	ug/L	105		SW846 8260B
	10.0	10.1	ug/L	101	3.6	SW846 8260B
trans-1,3-Dichloropropene	10.0	10.6	ug/L	106		SW846 8260B
	10.0	10.3	ug/L	103	3.0	SW846 8260B
Vinyl chloride	10.0	9.33	ug/L	93		SW846 8260B
	10.0	10.4	ug/L	104	10	SW846 8260B
Acetone	10.0	12.8	ug/L	128		SW846 8260B
	10.0	10.9	ug/L	109	16	SW846 8260B
Methylene chloride	10.0	11.5	ug/L	115		SW846 8260B
	10.0	11.2	ug/L	112	2.8	SW846 8260B
Carbon disulfide	10.0	9.61	ug/L	96		SW846 8260B
	10.0	10.2	ug/L	102	5.6	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL740 **Work Order #...:** KPH3X1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F8F060000-322 KPH3X1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethane	10.0	9.76	ug/L	98		SW846 8260B
	10.0	9.97	ug/L	100	2.1	SW846 8260B
2-Butanone	10.0	11.8	ug/L	118		SW846 8260B
	10.0	8.82 p	ug/L	88	29	SW846 8260B
Chloroform	10.0	9.93	ug/L	99		SW846 8260B
	10.0	9.77	ug/L	98	1.7	SW846 8260B
cis-1,2-Dichloroethene	10.0	10.1	ug/L	101		SW846 8260B
	10.0	10.0	ug/L	100	0.19	SW846 8260B
Propionitrile	50.0	61.8	ug/L	124		SW846 8260B
	50.0	49.2 p	ug/L	98	23	SW846 8260B
trans-1,2-Dichloroethene	10.0	9.66	ug/L	97		SW846 8260B
	10.0	9.80	ug/L	98	1.5	SW846 8260B
1,1,1-Trichloroethane	10.0	10.1	ug/L	101		SW846 8260B
	10.0	10.1	ug/L	101	0.090	SW846 8260B
Carbon tetrachloride	10.0	10.1	ug/L	101		SW846 8260B
	10.0	10.2	ug/L	102	1.2	SW846 8260B
1,2-Dichloroethane	10.0	10.5	ug/L	105		SW846 8260B
	10.0	9.75	ug/L	97	7.2	SW846 8260B
Benzene	10.0	9.96	ug/L	100		SW846 8260B
	10.0	9.75	ug/L	97	2.2	SW846 8260B
Trichloroethene	10.0	9.73	ug/L	97		SW846 8260B
	10.0	9.68	ug/L	97	0.60	SW846 8260B
4-Methyl-2-pentanone	10.0	10.8	ug/L	108		SW846 8260B
	10.0	9.97	ug/L	100	8.4	SW846 8260B
1,1,2-Trichloroethane	10.0	9.87	ug/L	99		SW846 8260B
	10.0	9.47	ug/L	95	4.1	SW846 8260B
Tetrachloroethene	10.0	9.18	ug/L	92		SW846 8260B
	10.0	9.31	ug/L	93	1.4	SW846 8260B
Tetrahydrofuran	50.0	56.7	ug/L	113		SW846 8260B
	50.0	50.4	ug/L	101	12	SW846 8260B
1,4-Dichlorobenzene	10.0	9.56	ug/L	96		SW846 8260B
	10.0	9.51	ug/L	95	0.51	SW846 8260B
1-Butanol	100	122	ug/L	122		SW846 8260B
	100	92.2 p	ug/L	92	28	SW846 8260B
Toluene	10.0	9.70	ug/L	97		SW846 8260B
	10.0	9.63	ug/L	96	0.67	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(84 - 115)
	98	(84 - 115)
Dibromofluoromethane	102	(81 - 115)
	100	(81 - 115)
1,2-Dichloroethane-d4	106	(71 - 127)
	99	(71 - 127)

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL740 **Work Order #...:** KPH3X1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F8F060000-322 KPH3X1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	92	(74 - 117)
	94	(74 - 117)

NOTE(S):

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

Bold print denotes control parameters

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL740 Work Order #...: KPMA51AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F8F100000-183 KPMA51AD-LCSD
Prep Date.....: 06/09/08 Analysis Date..: 06/09/08
Prep Batch #...: 8162183
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,2-Dichloropropane	10.0	9.79	ug/L	98		SW846 8260B
	10.0	9.68	ug/L	97	1.1	SW846 8260B
Bromodichloromethane	10.0	10.5	ug/L	105		SW846 8260B
	10.0	9.96	ug/L	100	5.0	SW846 8260B
trans-1,3-Dichloropropene	10.0	10.1	ug/L	101		SW846 8260B
	10.0	10.8	ug/L	108	6.3	SW846 8260B
2-Hexanone	10.0	8.35	ug/L	83		SW846 8260B
	10.0	8.67	ug/L	87	3.8	SW846 8260B
Chlorobenzene	10.0	9.86	ug/L	99		SW846 8260B
	10.0	9.93	ug/L	99	0.77	SW846 8260B
Bromoform	10.0	9.27	ug/L	93		SW846 8260B
	10.0	9.53	ug/L	95	2.8	SW846 8260B
Ethylbenzene	10.0	10.7	ug/L	107		SW846 8260B
	10.0	10.8	ug/L	108	1.0	SW846 8260B
Styrene	10.0	9.94	ug/L	99		SW846 8260B
	10.0	9.89	ug/L	99	0.46	SW846 8260B
1,1,2,2-Tetrachloroethane	10.0	9.88	ug/L	99		SW846 8260B
	10.0	9.62	ug/L	96	2.7	SW846 8260B
Allyl chloride	10.0	11.3	ug/L	113		SW846 8260B
	10.0	11.1	ug/L	111	2.1	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	10.0	9.45	ug/L	94		SW846 8260B
	10.0	6.70 a,p	ug/L	67	34	SW846 8260B
1,2-Dibromoethane	10.0	9.52	ug/L	95		SW846 8260B
	10.0	9.93	ug/L	99	4.2	SW846 8260B
trans-1,4-Dichloro-2-butene	10.0	11.2	ug/L	112		SW846 8260B
	10.0	10.6	ug/L	106	5.2	SW846 8260B
Dichlorodifluoromethane (Freon 12)	10.0	9.75	ug/L	98		SW846 8260B
	10.0	9.87	ug/L	99	1.2	SW846 8260B
Ethyl methacrylate	10.0	8.90	ug/L	89		SW846 8260B
	10.0	8.64	ug/L	86	3.0	SW846 8260B
Methyl methacrylate	10.0	8.89	ug/L	89		SW846 8260B
	10.0	8.06	ug/L	81	9.8	SW846 8260B
1,1,1,2-Tetrachloroethane	10.0	9.84	ug/L	98		SW846 8260B
	10.0	9.89	ug/L	99	0.56	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL740 **Work Order #...:** KPMA51AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F8F100000-183 KPMA51AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Trichlorofluoromethane	10.0	9.87	ug/L	99		SW846 8260B
	10.0	9.97	ug/L	100	1.0	SW846 8260B
Acetonitrile	50.0	46.7	ug/L	93		SW846 8260B
	50.0	43.6	ug/L	87	6.9	SW846 8260B
Iodomethane	10.0	12.5	ug/L	125		SW846 8260B
	10.0	14.5 a	ug/L	145	15	SW846 8260B
Vinyl acetate	10.0	8.39	ug/L	84		SW846 8260B
	10.0	8.12	ug/L	81	3.3	SW846 8260B
Acrolein	50.0	49.0	ug/L	98		SW846 8260B
	50.0	50.1	ug/L	100	2.3	SW846 8260B
Isobutanol	200	179	ug/L	89		SW846 8260B
	200	220 p	ug/L	110	21	SW846 8260B
Methacrylonitrile	50.0	60.5	ug/L	121		SW846 8260B
	50.0	60.4	ug/L	121	0.090	SW846 8260B
1,4-Dioxane	200	165	ug/L	83		SW846 8260B
	200	177	ug/L	89	7.1	SW846 8260B
Chloroprene	10.0	10.7	ug/L	107		SW846 8260B
	10.0	10.4	ug/L	104	3.5	SW846 8260B
cis-1,3-Dichloropropene	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.6	ug/L	106	1.8	SW846 8260B
Dibromochloromethane	10.0	9.91	ug/L	99		SW846 8260B
	10.0	10.0	ug/L	100	0.96	SW846 8260B
Chloromethane	10.0	10.1	ug/L	101		SW846 8260B
	10.0	9.89	ug/L	99	2.5	SW846 8260B
Bromomethane	10.0	12.8	ug/L	128		SW846 8260B
	10.0	11.4	ug/L	114	12	SW846 8260B
Chloroethane	10.0	10.8	ug/L	108		SW846 8260B
	10.0	10.6	ug/L	106	1.7	SW846 8260B
1,1-Dichloroethene	10.0	9.70	ug/L	97		SW846 8260B
	10.0	9.80	ug/L	98	1.0	SW846 8260B
1,2-Dichloroethene (total)	20.0	19.9	ug/L	100		SW846 8260B
	20.0	19.8	ug/L	99	0.65	SW846 8260B
Vinyl chloride	10.0	10.3	ug/L	103		SW846 8260B
	10.0	10.2	ug/L	102	0.29	SW846 8260B
Acetone	10.0	10.4	ug/L	104		SW846 8260B
	10.0	8.92	ug/L	89	16	SW846 8260B
Methylene chloride	10.0	11.1	ug/L	111		SW846 8260B
	10.0	10.1	ug/L	101	9.6	SW846 8260B
Carbon disulfide	10.0	9.22	ug/L	92		SW846 8260B
	10.0	8.99	ug/L	90	2.5	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL740 **Work Order #...:** KPMA51AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F8F100000-183 KPMA51AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethane	10.0	10.2	ug/L	102		SW846 8260B
	10.0	9.69	ug/L	97	5.0	SW846 8260B
2-Butanone	10.0	5.48	ug/L	55		SW846 8260B
	10.0	8.88 p	ug/L	89	47	SW846 8260B
Chloroform	10.0	9.88	ug/L	99		SW846 8260B
	10.0	9.76	ug/L	98	1.2	SW846 8260B
cis-1,2-Dichloroethene	10.0	9.87	ug/L	99		SW846 8260B
	10.0	9.85	ug/L	98	0.20	SW846 8260B
Propionitrile	50.0	47.8	ug/L	96		SW846 8260B
	50.0	46.1	ug/L	92	3.6	SW846 8260B
trans-1,2-Dichloroethene	10.0	10.0	ug/L	100		SW846 8260B
	10.0	9.92	ug/L	99	1.1	SW846 8260B
1,1,1-Trichloroethane	10.0	9.94	ug/L	99		SW846 8260B
	10.0	9.88	ug/L	99	0.53	SW846 8260B
Carbon tetrachloride	10.0	9.09	ug/L	91		SW846 8260B
	10.0	9.14	ug/L	91	0.55	SW846 8260B
1,2-Dichloroethane	10.0	10.9	ug/L	109		SW846 8260B
	10.0	10.2	ug/L	102	6.3	SW846 8260B
Benzene	10.0	9.65	ug/L	96		SW846 8260B
	10.0	9.41	ug/L	94	2.5	SW846 8260B
Trichloroethene	10.0	9.26	ug/L	93		SW846 8260B
	10.0	9.61	ug/L	96	3.7	SW846 8260B
4-Methyl-2-pentanone	10.0	11.7	ug/L	117		SW846 8260B
	10.0	11.2	ug/L	112	4.5	SW846 8260B
1,1,2-Trichloroethane	10.0	9.41	ug/L	94		SW846 8260B
	10.0	9.56	ug/L	96	1.6	SW846 8260B
Tetrachloroethene	10.0	8.94	ug/L	89		SW846 8260B
	10.0	9.26	ug/L	93	3.5	SW846 8260B
Tetrahydrofuran	50.0	42.7	ug/L	85		SW846 8260B
	50.0	42.6	ug/L	85	0.11	SW846 8260B
1,4-Dichlorobenzene	10.0	9.53	ug/L	95		SW846 8260B
	10.0	9.85	ug/L	98	3.2	SW846 8260B
1-Butanol	100	82.0	ug/L	82		SW846 8260B
	100	76.2	ug/L	76	7.4	SW846 8260B
Toluene	10.0	10.6	ug/L	106		SW846 8260B
	10.0	10.6	ug/L	106	0.66	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	103	(84 - 115)
	103	(84 - 115)
Dibromofluoromethane	99	(81 - 115)
	98	(81 - 115)
1,2-Dichloroethane-d4	94	(71 - 127)
	85	(71 - 127)

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL740 **Work Order #...:** KPMA51AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F8F100000-183 KPMA51AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	100	(74 - 117)
	100	(74 - 117)

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.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL740 **Work Order #...:** KNTPM1EE-MS **Matrix.....:** WATER
MS Lot-Sample #: F8E230307-007 KNTPM1EF-MSD
Date Sampled...: 05/22/08 **Date Received..:** 05/23/08
Prep Date.....: 05/30/08 **Analysis Date..:** 05/30/08
Prep Batch #...: 8158322
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	9.28	ug/L	93	2.2	SW846 8260B
Chloromethane	ND	10.0	8.05	ug/L	80		SW846 8260B
	ND	10.0	7.66	ug/L	77	5.0	SW846 8260B
Bromomethane	ND	10.0	9.17	ug/L	92		SW846 8260B
	ND	10.0	9.77	ug/L	98	6.4	SW846 8260B
Chloroethane	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	9.74	ug/L	97	4.3	SW846 8260B
1,1-Dichloroethene	ND	10.0	9.42	ug/L	94		SW846 8260B
	ND	10.0	9.73	ug/L	97	3.2	SW846 8260B
1,2-Dichloroethene (total)	ND	20.0	18.8	ug/L	94		SW846 8260B
	ND	20.0	19.6	ug/L	98	3.8	SW846 8260B
1,2-Dichloropropane	ND	10.0	9.50	ug/L	95		SW846 8260B
	ND	10.0	9.19	ug/L	92	3.3	SW846 8260B
Bromodichloromethane	1.6	10.0	12.3	ug/L	107		SW846 8260B
	1.6	10.0	12.2	ug/L	106	0.81	SW846 8260B
trans-1,3-Dichloropropene	ND	10.0	9.46	ug/L	95		SW846 8260B
	ND	10.0	9.51	ug/L	95	0.58	SW846 8260B
2-Hexanone	ND	10.0	8.48	ug/L	85		SW846 8260B
	ND	10.0	8.80	ug/L	88	3.7	SW846 8260B
Chlorobenzene	ND	10.0	9.30	ug/L	93		SW846 8260B
	ND	10.0	9.14	ug/L	91	1.7	SW846 8260B
Bromoform	ND	10.0	10.9	ug/L	109		SW846 8260B
	ND	10.0	10.1	ug/L	101	7.3	SW846 8260B
Ethylbenzene	ND	10.0	9.28	ug/L	93		SW846 8260B
	ND	10.0	9.25	ug/L	92	0.33	SW846 8260B
Styrene	ND	10.0	0.0	ug/L	0.0 a		SW846 8260B
	ND	10.0	0.0	ug/L	0.0 a	0.0	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	10.0	9.37	ug/L	94		SW846 8260B
	ND	10.0	9.06	ug/L	91	3.4	SW846 8260B
Dibromochloromethane	ND	10.0	10.8	ug/L	108		SW846 8260B
	ND	10.0	10.7	ug/L	107	0.65	SW846 8260B
Allyl chloride	ND	10.0	0.0	ug/L	0.0 a		SW846 8260B
	ND	10.0	0.0	ug/L	0.0 a	0.0	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	10.0	9.56	ug/L	96		SW846 8260B
	ND	10.0	9.09	ug/L	91	5.1	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL740 **Work Order #...:** KNTPM1EE-MS **Matrix.....:** WATER
MS Lot-Sample #: F8E230307-007 KNTPM1EF-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,2-Dibromoethane	ND	10.0	9.56	ug/L	96		SW846 8260B
	ND	10.0	9.78	ug/L	98	2.2	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	10.0	4.81	ug/L	48		SW846 8260B
	ND	10.0	4.20	ug/L	42	14	SW846 8260B
Dichlorodifluoromethane (Freon 12)	ND	10.0	12.6	ug/L	126		SW846 8260B
	ND	10.0	12.2	ug/L	122	2.7	SW846 8260B
Ethyl methacrylate	ND	10.0	7.67	ug/L	77		SW846 8260B
	ND	10.0	7.38	ug/L	74	3.8	SW846 8260B
Methyl methacrylate	ND	10.0	7.92	ug/L	79		SW846 8260B
	ND	10.0	7.44	ug/L	74	6.2	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	10.0	9.89	ug/L	99		SW846 8260B
	ND	10.0	9.98	ug/L	100	0.93	SW846 8260B
Trichlorofluoromethane	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	10.2	ug/L	102	1.8	SW846 8260B
Acetonitrile	ND	50.0	47.6	ug/L	95		SW846 8260B
	ND	50.0	45.6	ug/L	91	4.3	SW846 8260B
Iodomethane	ND	10.0	2.08	ug/L	21		SW846 8260B
	ND	10.0	1.72	ug/L	17	19	SW846 8260B
Vinyl acetate	ND	10.0	0.0	ug/L	0.0 a		SW846 8260B
	ND	10.0	0.0	ug/L	0.0 a	0.0	SW846 8260B
Acrolein	ND	50.0	11.5	ug/L	23		SW846 8260B
	ND	50.0	8.95	ug/L	18 p	25	SW846 8260B
Isobutanol	ND	200	164	ug/L	82		SW846 8260B
	ND	200	159	ug/L	80	3.2	SW846 8260B
Methacrylonitrile	ND	50.0	49.6	ug/L	99		SW846 8260B
	ND	50.0	49.1	ug/L	98	0.91	SW846 8260B
1,4-Dioxane	ND	200	171	ug/L	85		SW846 8260B
	ND	200	175	ug/L	88	2.5	SW846 8260B
Chloroprene	ND	10.0	0.0	ug/L	0.0 a		SW846 8260B
	ND	10.0	0.0	ug/L	0.0 a	0.0	SW846 8260B
Vinyl chloride	ND	10.0	9.80	ug/L	98		SW846 8260B
	ND	10.0	9.41	ug/L	94	4.0	SW846 8260B
Acetone	2.6	10.0	13.6	ug/L	110		SW846 8260B
	2.6	10.0	13.2	ug/L	106	3.2	SW846 8260B
Methylene chloride	ND	10.0	9.46	ug/L	95		SW846 8260B
	ND	10.0	9.45	ug/L	94	0.07	SW846 8260B
Carbon disulfide	ND	10.0	9.37	ug/L	94		SW846 8260B
	ND	10.0	9.59	ug/L	96	2.3	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL740 **Work Order #...:** KNTPM1EE-MS **Matrix.....:** WATER
MS Lot-Sample #: F8E230307-007 KNTPM1EF-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethane	ND	10.0	9.25	ug/L	92		SW846 8260B
	ND	10.0	9.15	ug/L	91	1.1	SW846 8260B
2-Butanone	ND	10.0	8.69	ug/L	87		SW846 8260B
	ND	10.0	8.41	ug/L	84	3.3	SW846 8260B
Chloroform	29	10.0	38.2	ug/L	88		SW846 8260B
	29	10.0	39.0	ug/L	96	2.2	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	9.50	ug/L	95		SW846 8260B
	ND	10.0	9.84	ug/L	98	3.5	SW846 8260B
Propionitrile	ND	50.0	47.3	ug/L	95		SW846 8260B
	ND	50.0	44.6	ug/L	89	5.8	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	9.35	ug/L	93		SW846 8260B
	ND	10.0	9.74	ug/L	97	4.1	SW846 8260B
1,1,1-Trichloroethane	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	10.6	ug/L	106	3.8	SW846 8260B
Carbon tetrachloride	4.3	10.0	15.2	ug/L	109		SW846 8260B
	4.3	10.0	15.3	ug/L	110	0.39	SW846 8260B
1,2-Dichloroethane	ND	10.0	10.3	ug/L	103		SW846 8260B
	ND	10.0	10.4	ug/L	104	0.29	SW846 8260B
Benzene	ND	10.0	9.44	ug/L	94		SW846 8260B
	ND	10.0	9.42	ug/L	94	0.25	SW846 8260B
Trichloroethene	4.0	10.0	13.2	ug/L	93		SW846 8260B
	4.0	10.0	13.3	ug/L	93	0.45	SW846 8260B
4-Methyl-2-pentanone	ND	10.0	9.46	ug/L	95		SW846 8260B
	ND	10.0	9.28	ug/L	93	1.9	SW846 8260B
1,1,2-Trichloroethane	ND	10.0	9.13	ug/L	91		SW846 8260B
	ND	10.0	9.10	ug/L	91	0.26	SW846 8260B
Tetrachloroethene	ND	10.0	9.05	ug/L	90		SW846 8260B
	ND	10.0	9.21	ug/L	92	1.8	SW846 8260B
Tetrahydrofuran	ND	50.0	50.5	ug/L	101		SW846 8260B
	ND	50.0	45.9	ug/L	92	9.4	SW846 8260B
1,4-Dichlorobenzene	ND	10.0	9.07	ug/L	91		SW846 8260B
	ND	10.0	8.93	ug/L	89	1.5	SW846 8260B
1-Butanol	ND	100	70.6	ug/L	71		SW846 8260B
	ND	100	65.4	ug/L	65	7.6	SW846 8260B
Toluene	ND	10.0	9.03	ug/L	90		SW846 8260B
	ND	10.0	9.05	ug/L	91	0.28	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	95	(70 - 119)
	96	(70 - 119)

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL740 **Work Order #...:** KNTPM1EE-MS **Matrix.....:** WATER
MS Lot-Sample #: F8E230307-007 KNTPM1EF-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(70 - 124)
	103	(70 - 124)
1,2-Dichloroethane-d4	108	(63 - 133)
	105	(63 - 133)
4-Bromofluorobenzene	96	(66 - 115)
	94	(66 - 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.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL740 **Work Order #...:** KN3PD1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F8E290290-003 KN3PD1AE-MSD
Date Sampled...: 05/27/08 **Date Received..:** 05/29/08
Prep Date.....: 05/30/08 **Analysis Date..:** 05/30/08
Prep Batch #...: 8158322
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
cis-1,3-Dichloropropene	ND	10.0	9.47	ug/L	95		SW846 8260B
	ND	10.0	9.85	ug/L	98	3.9	SW846 8260B
Chloromethane	ND	10.0	9.44	ug/L	94		SW846 8260B
	ND	10.0	8.88	ug/L	89	6.1	SW846 8260B
Bromomethane	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	12.0	ug/L	120	16	SW846 8260B
Chloroethane	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	10.2	ug/L	102	0.19	SW846 8260B
1,1-Dichloroethene	ND	10.0	9.45	ug/L	94		SW846 8260B
	ND	10.0	9.54	ug/L	95	0.96	SW846 8260B
1,2-Dichloroethene (total)	ND	20.0	19.4	ug/L	97		SW846 8260B
	ND	20.0	19.4	ug/L	97	0.10	SW846 8260B
1,2-Dichloropropane	ND	10.0	9.62	ug/L	96		SW846 8260B
	ND	10.0	9.57	ug/L	96	0.56	SW846 8260B
Bromodichloromethane	ND	10.0	10.1	ug/L	101		SW846 8260B
	ND	10.0	10.6	ug/L	106	5.2	SW846 8260B
trans-1,3-Dichloropropene	ND	10.0	9.25	ug/L	92		SW846 8260B
	ND	10.0	9.70	ug/L	97	4.7	SW846 8260B
2-Hexanone	ND	10.0	8.08	ug/L	81		SW846 8260B
	ND	10.0	8.37	ug/L	84	3.5	SW846 8260B
Chlorobenzene	ND	10.0	9.22	ug/L	92		SW846 8260B
	ND	10.0	9.49	ug/L	95	2.9	SW846 8260B
Bromoform	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	11.0	ug/L	110	7.8	SW846 8260B
Ethylbenzene	ND	10.0	9.26	ug/L	93		SW846 8260B
	ND	10.0	9.60	ug/L	96	3.7	SW846 8260B
Styrene	ND	10.0	9.34	ug/L	93		SW846 8260B
	ND	10.0	9.62	ug/L	96	2.9	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	10.0	8.94	ug/L	89		SW846 8260B
	ND	10.0	9.60	ug/L	96	7.2	SW846 8260B
Dibromochloromethane	ND	10.0	10.3	ug/L	103		SW846 8260B
	ND	10.0	10.7	ug/L	107	4.1	SW846 8260B
Allyl chloride	ND	10.0	10.7	ug/L	107		SW846 8260B
	ND	10.0	10.6	ug/L	106	1.4	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	10.0	8.93	ug/L	89		SW846 8260B
	ND	10.0	9.60	ug/L	96	7.2	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL740 **Work Order #...:** KN3PD1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F8E290290-003 KN3PD1AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,2-Dibromoethane	ND	10.0	9.40	ug/L	94		SW846 8260B
	ND	10.0	9.79	ug/L	98	4.1	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	10.0	8.77	ug/L	88		SW846 8260B
	ND	10.0	9.03	ug/L	90	3.0	SW846 8260B
Dichlorodifluoromethane (Freon 12)	ND	10.0	11.4	ug/L	114		SW846 8260B
	ND	10.0	11.8	ug/L	118	3.4	SW846 8260B
Ethyl methacrylate	ND	10.0	8.49	ug/L	85		SW846 8260B
	ND	10.0	8.68	ug/L	87	2.2	SW846 8260B
Methyl methacrylate	ND	10.0	8.52	ug/L	85		SW846 8260B
	ND	10.0	8.77	ug/L	88	2.9	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	10.0	9.69	ug/L	97		SW846 8260B
	ND	10.0	10.0	ug/L	100	3.7	SW846 8260B
Trichlorofluoromethane	ND	10.0	9.36	ug/L	94		SW846 8260B
	ND	10.0	10.3	ug/L	103	9.8	SW846 8260B
Acetonitrile	ND	50.0	49.4	ug/L	99		SW846 8260B
	ND	50.0	48.8	ug/L	98	1.0	SW846 8260B
Iodomethane	ND	10.0	7.99	ug/L	80		SW846 8260B
	ND	10.0	10.0	ug/L	100 p	23	SW846 8260B
Vinyl acetate	ND	10.0	10.0	ug/L	100		SW846 8260B
	ND	10.0	10.3	ug/L	103	3.0	SW846 8260B
Acrolein	ND	50.0	37.9	ug/L	76		SW846 8260B
	ND	50.0	39.0	ug/L	78	2.9	SW846 8260B
Isobutanol	ND	200	175	ug/L	87		SW846 8260B
	ND	200	179	ug/L	89	2.2	SW846 8260B
Methacrylonitrile	ND	50.0	49.8	ug/L	100		SW846 8260B
	ND	50.0	50.7	ug/L	101	1.8	SW846 8260B
1,4-Dioxane	ND	200	166	ug/L	83		SW846 8260B
	ND	200	182	ug/L	91	9.7	SW846 8260B
Chloroprene	ND	10.0	9.89	ug/L	99		SW846 8260B
	ND	10.0	10.3	ug/L	103	4.2	SW846 8260B
Vinyl chloride	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	10.4	ug/L	104	0.48	SW846 8260B
Acetone	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	11.0	ug/L	110	7.1	SW846 8260B
Methylene chloride	ND	10.0	9.56	ug/L	96		SW846 8260B
	ND	10.0	9.47	ug/L	95	0.90	SW846 8260B
Carbon disulfide	ND	10.0	9.58	ug/L	96		SW846 8260B
	ND	10.0	9.52	ug/L	95	0.63	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL740 **Work Order #...:** KN3PD1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F8E290290-003 KN3PD1AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethane	ND	10.0	9.65	ug/L	96		SW846 8260B
	ND	10.0	9.61	ug/L	96	0.42	SW846 8260B
2-Butanone	ND	10.0	9.01	ug/L	90		SW846 8260B
	ND	10.0	8.58	ug/L	86	4.9	SW846 8260B
Chloroform	2.7	10.0	12.3	ug/L	96		SW846 8260B
	2.7	10.0	12.7	ug/L	100	2.8	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	9.57	ug/L	96		SW846 8260B
	ND	10.0	9.52	ug/L	95	0.59	SW846 8260B
Propionitrile	ND	50.0	47.6	ug/L	95		SW846 8260B
	ND	50.0	47.4	ug/L	95	0.21	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	9.80	ug/L	98		SW846 8260B
	ND	10.0	9.83	ug/L	98	0.33	SW846 8260B
1,1,1-Trichloroethane	ND	10.0	9.93	ug/L	99		SW846 8260B
	ND	10.0	10.1	ug/L	101	2.0	SW846 8260B
Carbon tetrachloride	13	10.0	22.7	ug/L	101		SW846 8260B
	13	10.0	23.3	ug/L	107	2.4	SW846 8260B
1,2-Dichloroethane	ND	10.0	9.96	ug/L	100		SW846 8260B
	ND	10.0	10.3	ug/L	103	3.8	SW846 8260B
Benzene	ND	10.0	9.52	ug/L	95		SW846 8260B
	ND	10.0	9.70	ug/L	97	1.8	SW846 8260B
Trichloroethene	0.37	10.0	9.78	ug/L	94		SW846 8260B
	0.37	10.0	9.99	ug/L	96	2.2	SW846 8260B
4-Methyl-2-pentanone	ND	10.0	9.49	ug/L	95		SW846 8260B
	ND	10.0	9.54	ug/L	95	0.59	SW846 8260B
1,1,2-Trichloroethane	ND	10.0	9.21	ug/L	92		SW846 8260B
	ND	10.0	9.60	ug/L	96	4.2	SW846 8260B
Tetrachloroethene	ND	10.0	8.91	ug/L	89		SW846 8260B
	ND	10.0	9.29	ug/L	93	4.2	SW846 8260B
Tetrahydrofuran	ND	50.0	45.1	ug/L	90		SW846 8260B
	ND	50.0	48.2	ug/L	96	6.6	SW846 8260B
1,4-Dichlorobenzene	ND	10.0	8.64	ug/L	86		SW846 8260B
	ND	10.0	9.22	ug/L	92	6.4	SW846 8260B
1-Butanol	ND	100	80.2	ug/L	80		SW846 8260B
	ND	100	66.6	ug/L	67	18	SW846 8260B
Toluene	ND	10.0	9.18	ug/L	92		SW846 8260B
	ND	10.0	9.44	ug/L	94	2.8	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	95	(70 - 119)
	97	(70 - 119)

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL740 **Work Order #...:** KN3PD1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F8E290290-003 KN3PD1AE-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(70 - 124)
	101	(70 - 124)
1,2-Dichloroethane-d4	102	(63 - 133)
	104	(63 - 133)
4-Bromofluorobenzene	91	(66 - 115)
	95	(66 - 115)

NOTE(S):

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

Bold print denotes control parameters

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

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL740 **Work Order #...:** KPH3R1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F8F060257-001 KPH3R1AE-MSD
Date Sampled...: 06/05/08 **Date Received..:** 06/06/08
Prep Date.....: 06/09/08 **Analysis Date..:** 06/09/08
Prep Batch #...: 8162183
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
cis-1,3-Dichloropropene	ND	10.0	12.3	ug/L	123		SW846 8260B
	ND	10.0	12.6	ug/L	126	2.0	SW846 8260B
Chloromethane	ND	10.0	9.61	ug/L	96		SW846 8260B
	ND	10.0	11.2	ug/L	112	15	SW846 8260B
Bromomethane	ND	10.0	12.3	ug/L	123		SW846 8260B
	ND	10.0	13.4	ug/L	134	8.7	SW846 8260B
Chloroethane	ND	10.0	11.2	ug/L	112		SW846 8260B
	ND	10.0	11.8	ug/L	118	5.3	SW846 8260B
1,1-Dichloroethene	ND	10.0	11.8	ug/L	118		SW846 8260B
	ND	10.0	12.0	ug/L	120	1.9	SW846 8260B
1,2-Dichloroethene (total)	ND	20.0	22.9	ug/L	115		SW846 8260B
	ND	20.0	23.8	ug/L	119	3.6	SW846 8260B
1,2-Dichloropropane	ND	10.0	12.3	ug/L	123		SW846 8260B
	ND	10.0	12.4	ug/L	124	0.64	SW846 8260B
Bromodichloromethane	ND	10.0	13.2	ug/L	132		SW846 8260B
	ND	10.0	13.1	ug/L	131	1.2	SW846 8260B
trans-1,3-Dichloropropene	ND	10.0	11.2	ug/L	112		SW846 8260B
	ND	10.0	11.7	ug/L	117	4.2	SW846 8260B
2-Hexanone	ND	10.0	7.93	ug/L	79		SW846 8260B
	ND	10.0	8.05	ug/L	81	1.6	SW846 8260B
Chlorobenzene	ND	10.0	10.7	ug/L	107		SW846 8260B
	ND	10.0	10.7	ug/L	107	0.46	SW846 8260B
Bromoform	ND	10.0	10.3	ug/L	103		SW846 8260B
	ND	10.0	10.8	ug/L	108	5.2	SW846 8260B
Ethylbenzene	ND	10.0	11.3	ug/L	113		SW846 8260B
	ND	10.0	11.6	ug/L	116	2.0	SW846 8260B
Styrene	ND	10.0	10.6	ug/L	106		SW846 8260B
	ND	10.0	10.8	ug/L	108	2.1	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	10.2	ug/L	102	0.88	SW846 8260B
Dibromochloromethane	ND	10.0	10.8	ug/L	108		SW846 8260B
	ND	10.0	11.0	ug/L	110	2.2	SW846 8260B
Allyl chloride	ND	10.0	14.2	ug/L	142		SW846 8260B
	ND	10.0	13.7	ug/L	137	3.6	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	10.0	10.1	ug/L	101		SW846 8260B
	ND	10.0	10.2	ug/L	102	0.49	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL740 **Work Order #...:** KPH3R1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F8F060257-001 KPH3R1AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,2-Dibromoethane	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	10.3	ug/L	103	1.6	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	10.0	11.8	ug/L	118		SW846 8260B
	ND	10.0	11.3	ug/L	113	4.6	SW846 8260B
Dichlorodifluoromethane (Freon 12)	ND	10.0	13.0	ug/L	130		SW846 8260B
	ND	10.0	13.8	ug/L	138	5.7	SW846 8260B
Ethyl methacrylate	ND	10.0	9.74	ug/L	97		SW846 8260B
	ND	10.0	9.51	ug/L	95	2.5	SW846 8260B
Methyl methacrylate	ND	10.0	10.0	ug/L	100		SW846 8260B
	ND	10.0	9.47	ug/L	95	5.8	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	10.0	10.7	ug/L	107		SW846 8260B
	ND	10.0	11.0	ug/L	110	3.3	SW846 8260B
Trichlorofluoromethane	ND	10.0	10.6	ug/L	106		SW846 8260B
	ND	10.0	10.7	ug/L	107	0.28	SW846 8260B
Acetonitrile	ND	50.0	50.7	ug/L	101		SW846 8260B
	ND	50.0	60.9	ug/L	122	18	SW846 8260B
Iodomethane	ND	10.0	12.3	ug/L	123		SW846 8260B
	ND	10.0	10.6	ug/L	106	15	SW846 8260B
Vinyl acetate	ND	10.0	7.38	ug/L	74		SW846 8260B
	ND	10.0	8.72	ug/L	87	17	SW846 8260B
Acrolein	ND	50.0	46.7	ug/L	93		SW846 8260B
	ND	50.0	52.7	ug/L	105	12	SW846 8260B
Isobutanol	ND	200	244	ug/L	122		SW846 8260B
	ND	200	166	ug/L	83 p	38	SW846 8260B
Methacrylonitrile	ND	50.0	65.0	ug/L	130		SW846 8260B
	ND	50.0	73.5	ug/L	147	12	SW846 8260B
1,4-Dioxane	ND	200	196	ug/L	98		SW846 8260B
	ND	200	192	ug/L	96	1.9	SW846 8260B
Chloroprene	ND	10.0	12.6	ug/L	126		SW846 8260B
	ND	10.0	13.1	ug/L	131	4.0	SW846 8260B
Vinyl chloride	ND	10.0	11.5	ug/L	115		SW846 8260B
	ND	10.0	12.7	ug/L	127	10	SW846 8260B
Acetone	ND	10.0	9.73	ug/L	97		SW846 8260B
	ND	10.0	9.22	ug/L	92	5.5	SW846 8260B
Methylene chloride	ND	10.0	10.7	ug/L	107		SW846 8260B
	ND	10.0	10.9	ug/L	109	1.8	SW846 8260B
Carbon disulfide	25	10.0	11.3	ug/L	0.0		SW846 8260B
		Qualifiers: a,T					
	25	10.0	11.8	ug/L	0.0	0.0	SW846 8260B
		Qualifiers: a,T					

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL740 Work Order #...: KPH3R1AD-MS Matrix.....: WATER
MS Lot-Sample #: F8F060257-001 KPH3R1AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethane	ND	10.0	12.5	ug/L	125		SW846 8260B
	ND	10.0	12.4	ug/L	124	0.96	SW846 8260B
2-Butanone	ND	10.0	8.79	ug/L	88		SW846 8260B
	ND	10.0	8.32	ug/L	83	5.4	SW846 8260B
Chloroform	2.5	10.0	14.8	ug/L	122		SW846 8260B
	2.5	10.0	15.4	ug/L	129	4.6	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	11.0	ug/L	110		SW846 8260B
	ND	10.0	11.5	ug/L	115	4.1	SW846 8260B
Propionitrile	ND	50.0	57.5	ug/L	115		SW846 8260B
	ND	50.0	61.7	ug/L	123	7.1	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	11.9	ug/L	119		SW846 8260B
	ND	10.0	12.3	ug/L	123	3.3	SW846 8260B
1,1,1-Trichloroethane	ND	10.0	12.3	ug/L	123		SW846 8260B
	ND	10.0	12.4	ug/L	124	0.32	SW846 8260B
Carbon tetrachloride	20	10.0	32.6	ug/L	130		SW846 8260B
	20	10.0	34.5	ug/L	148	5.6	SW846 8260B
1,2-Dichloroethane	ND	10.0	13.5	ug/L	135		SW846 8260B
	ND	10.0	13.2	ug/L	132	2.2	SW846 8260B
Benzene	ND	10.0	11.9	ug/L	119		SW846 8260B
	ND	10.0	12.1	ug/L	121	1.8	SW846 8260B
Trichloroethene	5.1	10.0	16.8	ug/L	117		SW846 8260B
	5.1	10.0	16.8	ug/L	117	0.11	SW846 8260B
4-Methyl-2-pentanone	ND	10.0	12.5	ug/L	125		SW846 8260B
	ND	10.0	11.8	ug/L	118	5.2	SW846 8260B
1,1,2-Trichloroethane	ND	10.0	10.3	ug/L	103		SW846 8260B
	ND	10.0	10.6	ug/L	106	3.1	SW846 8260B
Tetrachloroethene	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	10.3	ug/L	103	1.6	SW846 8260B
Tetrahydrofuran	ND	50.0	50.5	ug/L	101		SW846 8260B
	ND	50.0	49.1	ug/L	98	2.8	SW846 8260B
1,4-Dichlorobenzene	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	10.1	ug/L	101	3.3	SW846 8260B
1-Butanol	ND	100	87.8	ug/L	88		SW846 8260B
	ND	100	82.3	ug/L	82	6.5	SW846 8260B
Toluene	ND	10.0	11.5	ug/L	115		SW846 8260B
	ND	10.0	11.4	ug/L	114	0.52	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(70 - 119)
	99	(70 - 119)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL740 **Work Order #...:** KPH3R1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F8F060257-001 KPH3R1AE-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(70 - 124)
	105	(70 - 124)
1,2-Dichloroethane-d4	118	(63 - 133)
	101	(63 - 133)
4-Bromofluorobenzene	95	(66 - 115)
	95	(66 - 115)

NOTE(S):

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

Bold print denotes control parameters

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

a Spiked analyte recovery is outside stated control limits.

T Spike sample recovery is outside control limits.

GC/MS SEMIVOLATILES

Fluor Hanford Inc

Client Sample ID: B1V8C7

GC/MS Semivolatiles

Lot-Sample #...: F8F060259-002 **Work Order #...:** KPH331AC **Matrix.....:** WATER
Date Sampled...: 06/05/08 **Date Received..:** 06/06/08
Prep Date.....: 06/09/08 **Analysis Date..:** 06/20/08
Prep Batch #...: 8161109
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,4-Dioxane	ND	10	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	44	(14 - 71)
Phenol-d5	28	(10 - 61)
Nitrobenzene-d5	69	(29 - 95)
2-Fluorobiphenyl	67	(28 - 93)
2,4,6-Tribromophenol	75	(28 - 108)
Terphenyl-d14	71	(30 - 107)

Fluor Hanford Inc

B1V8C7

GC/MS Semivolatiles

Lot-Sample #: F8F060259-002 **Work Order #:** KPH331AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown aldol condensate		140	M	4.2325	ug/L
Unknown		8.2	M	16.743	ug/L

NOTE(S):

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

Fluor Hanford Inc

Client Sample ID: B1VKV1

GC/MS Semivolatiles

Lot-Sample #...: F8F100222-001 **Work Order #...:** KPM3W1AC **Matrix.....:** WATER
Date Sampled...: 06/09/08 **Date Received..:** 06/10/08
Prep Date.....: 06/12/08 **Analysis Date..:** 06/23/08
Prep Batch #...: 8164192
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	1.0
1,4-Dichlorobenzene	ND	10	ug/L	1.0
2,4-Dichlorophenol	ND	10	ug/L	1.0
2-Methylphenol	ND	10	ug/L	2.0
Naphthalene	ND	10	ug/L	1.0
2-Nitrophenol	ND	10	ug/L	1.0
Pentachlorophenol	ND	50	ug/L	2.0
Phenol	ND	10	ug/L	4.0
2-Picoline	ND	20	ug/L	5.5
Tributyl phosphate	ND	10	ug/L	1.1
3-Methylphenol & 4-Methylphenol	ND	20	ug/L	1.2
Benzothiazole	ND	10	ug/L	1.0
Tris(2-chloroethyl)phosphate	ND	10	ug/L	1.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	48	(14 - 71)
Phenol-d5	31	(10 - 61)
Nitrobenzene-d5	73	(29 - 95)
2-Fluorobiphenyl	70	(28 - 93)
2,4,6-Tribromophenol	78	(28 - 108)
Terphenyl-d14	73	(30 - 107)

Fluor Hanford Inc

B1VKV1

GC/MS Semivolatiles

Lot-Sample #: F8F100222-001 **Work Order #:** KPM3W1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		5.4	M	4.0347	ug/L
Unknown aldol condensate		190	M	4.2377	ug/L
Unknown		12	M	16.727	ug/L

NOTE(S):

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

Fluor Hanford Inc

Client Sample ID: B1VKV2

GC/MS Semivolatiles

Lot-Sample #...: F8F100222-002 **Work Order #...:** KPM361AC **Matrix.....:** WATER
Date Sampled...: 06/09/08 **Date Received..:** 06/10/08
Prep Date.....: 06/12/08 **Analysis Date..:** 06/23/08
Prep Batch #...: 8164192
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	1.0
1,4-Dichlorobenzene	ND	10	ug/L	1.0
2,4-Dichlorophenol	ND	10	ug/L	1.0
2-Methylphenol	ND	10	ug/L	2.0
Naphthalene	ND	10	ug/L	1.0
2-Nitrophenol	ND	10	ug/L	1.0
Pentachlorophenol	ND	50	ug/L	2.0
Phenol	ND	10	ug/L	4.0
2-Picoline	ND	20	ug/L	5.5
Tributyl phosphate	ND	10	ug/L	1.1
3-Methylphenol & 4-Methylphenol	ND	20	ug/L	1.2
Benzothiazole	ND	10	ug/L	1.0
Tris(2-chloroethyl)phosphate	ND	10	ug/L	1.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	45	(14 - 71)
Phenol-d5	29	(10 - 61)
Nitrobenzene-d5	68	(29 - 95)
2-Fluorobiphenyl	59	(28 - 93)
2,4,6-Tribromophenol	76	(28 - 108)
Terphenyl-d14	72	(30 - 107)

Fluor Hanford Inc

B1VKV2

GC/MS Semivolatiles

Lot-Sample #: F8F100222-002 **Work Order #:** KPM361AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		3.8	M	4.0397	ug/L
Unknown aldol condensate		120	M	4.232	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 #...: SL740 **Work Order #...:** KPLGW1AA **Matrix.....:** WATER
MB Lot-Sample #: F8F090000-109

Prep Date.....: 06/09/08
Analysis Date..: 06/20/08 **Prep Batch #...:** 8161109
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	44	(14 - 71)
Phenol-d5	29	(10 - 61)
Nitrobenzene-d5	67	(29 - 95)
2-Fluorobiphenyl	59	(28 - 93)
2,4,6-Tribromophenol	63	(28 - 108)
Terphenyl-d14	67	(30 - 107)

NOTE(S):

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

Fluor Hanford Inc

Method Blank Report

GC/MS Semivolatiles

Lot-Sample #: F8F090000-109 B **Work Order #:** KPLGW1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown aldol condensate		55	M	4.2219	ug/L
Nonanoic acid	112-05-0	4.3	M	6.6098	ug/L
Unknown		8.4	M	16.733	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 #...: SL740 **Work Order #...:** KPRLR1AA **Matrix.....:** WATER
MB Lot-Sample #: F8F120000-192

Prep Date.....: 06/12/08
Analysis Date..: 06/23/08 **Prep Batch #...:** 8164192
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
Pentachlorophenol	ND	50	ug/L	SW846 8270C
Phenol	ND	10	ug/L	SW846 8270C
2-Picoline	ND	20	ug/L	SW846 8270C
Tributyl phosphate	**6.7 J**	**10**	**ug/L**	**SW846 8270C**
3-Methylphenol & 4-Methylphenol	ND	20	ug/L	SW846 8270C
Benzothiazole	ND	10	ug/L	SW846 8270C
Tris(2-chloroethyl)phosph	ND	10	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	48	(14 - 71)
Phenol-d5	32	(10 - 61)
Nitrobenzene-d5	69	(29 - 95)
2-Fluorobiphenyl	61	(28 - 93)
2,4,6-Tribromophenol	69	(28 - 108)
Terphenyl-d14	70	(30 - 107)

NOTE(S):

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

J Estimated result. Result is less than RL.

Fluor Hanford Inc

Method Blank Report

GC/MS Semivolatiles

Lot-Sample #: F8F120000-192 B **Work Order #:** KPRLR1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		4.7	M	4.0369	ug/L
Unknown aldol condensate		160	M	4.2346	ug/L
Unknown		11	M	16.735	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 #...: SL740 **Work Order #...:** KPRLR1AC **Matrix.....:** WATER
LCS Lot-Sample#: F8F120000-192
Prep Date.....: 06/12/08 **Analysis Date..:** 06/23/08
Prep Batch #...: 8164192
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Phenol	**100**	**37.6**	**ug/L**	**38**	**SW846 8270C**
2-Methylphenol	**100**	**71.3**	**ug/L**	**71**	**SW846 8270C**
2-Nitrophenol	**100**	**80.6**	**ug/L**	**81**	**SW846 8270C**
2,4-Dichlorophenol	**100**	**80.4**	**ug/L**	**80**	**SW846 8270C**
Naphthalene	**100**	**64.0**	**ug/L**	**64**	**SW846 8270C**
Pentachlorophenol	**100**	**71.8**	**ug/L**	**72**	**SW846 8270C**
bis(2-Ethylhexyl) phthalate	**100**	**75.4**	**ug/L**	**75**	**SW846 8270C**
3-Methylphenol & 4-Methylphenol	**100**	**74.0**	**ug/L**	**74**	**SW846 8270C**
1,4-Dichlorobenzene	**100**	**53.4**	**ug/L**	**53**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	55	(20 - 58)
Phenol-d5	38	(13 - 41)
Nitrobenzene-d5	74	(23 - 98)
2-Fluorobiphenyl	76	(30 - 94)
2,4,6-Tribromophenol	92	(27 - 109)
Terphenyl-d14	76	(40 - 115)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: SL740 **Work Order #...:** KPM3W1AJ-MS **Matrix.....:** WATER
MS Lot-Sample #: F8F100222-001 KPM3W1AK-MSD
Date Sampled...: 06/09/08 **Date Received..:** 06/10/08
Prep Date.....: 06/12/08 **Analysis Date..:** 06/23/08
Prep Batch #...: 8164192
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Phenol	**ND**	**94.8**	**31.9**	**ug/L**	**34**		**SW846 8270C**
	ND	**94.7**	**45.8**	**ug/L**	**48 p**	**36**	**SW846 8270C**
2-Methylphenol	**ND**	**94.8**	**67.9**	**ug/L**	**72**		**SW846 8270C**
	ND	**94.7**	**68.7**	**ug/L**	**73**	**1.2**	**SW846 8270C**
3-Methylphenol & 4-Methylphenol	**ND**	**94.8**	**69.0**	**ug/L**	**73**		**SW846 8270C**
	ND	**94.7**	**74.0**	**ug/L**	**78**	**7.0**	**SW846 8270C**
2-Nitrophenol	**ND**	**94.8**	**80.3**	**ug/L**	**85**		**SW846 8270C**
	ND	**94.7**	**73.8**	**ug/L**	**78**	**8.4**	**SW846 8270C**
2,4-Dichlorophenol	**ND**	**94.8**	**79.8**	**ug/L**	**84**		**SW846 8270C**
	ND	**94.7**	**73.0**	**ug/L**	**77**	**8.8**	**SW846 8270C**
Naphthalene	**ND**	**94.8**	**63.1**	**ug/L**	**67**		**SW846 8270C**
	ND	**94.7**	**53.4**	**ug/L**	**56**	**17**	**SW846 8270C**
Pentachlorophenol	**ND**	**94.8**	**69.0**	**ug/L**	**73**		**SW846 8270C**
	ND	**94.7**	**69.6**	**ug/L**	**74**	**0.86**	**SW846 8270C**
bis(2-Ethylhexyl) phthalate	**ND**	**94.8**	**73.9**	**ug/L**	**78**		**SW846 8270C**
	ND	**94.7**	**69.7**	**ug/L**	**74**	**5.7**	**SW846 8270C**
1,4-Dichlorobenzene	**ND**	**94.8**	**53.9**	**ug/L**	**57**		**SW846 8270C**
	ND	**94.7**	**46.3**	**ug/L**	**49**	**15**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	50	(14 - 71)
	61	(14 - 71)
Phenol-d5	33	(10 - 61)
	48	(10 - 61)
Nitrobenzene-d5	76	(29 - 95)
	68	(29 - 95)
2-Fluorobiphenyl	74	(28 - 93)
	62	(28 - 93)
2,4,6-Tribromophenol	91	(28 - 108)
	88	(28 - 108)
Terphenyl-d14	77	(30 - 107)
	73	(30 - 107)

NOTE(S):

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

Bold print denotes control parameters

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

METALS

Fluor Hanford Inc

Client Sample ID: B1TX71

DISSOLVED Metals

Lot-Sample #...: F8F050329-001 **Matrix.....:** WATER
Date Sampled...: 06/04/08 **Date Received..:** 06/05/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8163072						
Mercury	ND	0.20	ug/L	SW846 7470A	06/11/08	KPF341A0
		Dilution Factor: 1		MDL.....: 0.061		
Prep Batch #...: 8169261						
Antimony	ND	60.0	ug/L	SW846 6010B	06/17-06/18/08	KPF341AA
		Dilution Factor: 1		MDL.....: 4.0		
Barium	**58.8 B**	**200**	**ug/L**	**SW846 6010B**	**06/17-06/18/08**	**KPF341AC**
		Dilution Factor: 1		MDL.....: 0.85		
Beryllium	ND	5.0	ug/L	SW846 6010B	06/17-06/18/08	KPF341AD
		Dilution Factor: 1		MDL.....: 0.50		
Cadmium	ND	5.0	ug/L	SW846 6010B	06/17-06/18/08	KPF341AE
		Dilution Factor: 1		MDL.....: 0.45		
Calcium	**46300 D**	**25000**	**ug/L**	**SW846 6010B**	**06/17-06/18/08**	**KPF341AF**
		Dilution Factor: 5		MDL.....: 93.0		
Chromium	**3.7 B**	**10.0**	**ug/L**	**SW846 6010B**	**06/17-06/18/08**	**KPF341AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	06/17-06/18/08	KPF341AH
		Dilution Factor: 1		MDL.....: 4.0		
Copper	**20.4 B**	**25.0**	**ug/L**	**SW846 6010B**	**06/17-06/18/08**	**KPF341AJ**
		Dilution Factor: 1		MDL.....: 4.6		
Magnesium	**14900**	**5000**	**ug/L**	**SW846 6010B**	**06/17-06/18/08**	**KPF341AL**
		Dilution Factor: 1		MDL.....: 110		
Manganese	**2.8 B**	**15.0**	**ug/L**	**SW846 6010B**	**06/17-06/18/08**	**KPF341AM**
		Dilution Factor: 1		MDL.....: 0.96		
Nickel	ND	40.0	ug/L	SW846 6010B	06/17-06/18/08	KPF341AN
		Dilution Factor: 1		MDL.....: 13.3		
Potassium	**2740 N**	**5000**	**ug/L**	**SW846 6010B**	**06/17-06/18/08**	**KPF341AP**
		Dilution Factor: 1		MDL.....: 1650		

(Continued on next page)

Fluor Hanford Inc

Client Sample ID: B1TX71

DISSOLVED Metals

Lot-Sample #...: F8F050329-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	ND	10.0	ug/L	SW846 6010B	06/17-06/18/08	KPF341AQ
		Dilution Factor: 1		MDL.....: 6.0		
Sodium	**23200**	**5000**	**ug/L**	**SW846 6010B**	**06/17-06/18/08**	**KPF341AR**
		Dilution Factor: 1		MDL.....: 134		
Strontium	**224 B,D**	**250**	**ug/L**	**SW846 6010B**	**06/17-06/18/08**	**KPF341AT**
		Dilution Factor: 5		MDL.....: 2.7		
Vanadium	**20.0 B**	**50.0**	**ug/L**	**SW846 6010B**	**06/17-06/18/08**	**KPF341AU**
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	**16.6 B**	**20.0**	**ug/L**	**SW846 6010B**	**06/17-06/18/08**	**KPF341AV**
		Dilution Factor: 1		MDL.....: 5.2		
Prep Batch #...: 8169262						
Lead	**2.2 B**	**3.0**	**ug/L**	**SW846 6020**	**06/17-06/25/08**	**KPF341AX**
		Dilution Factor: 1		MDL.....: 0.49		
Arsenic	**2.1 B**	**10.0**	**ug/L**	**SW846 6020**	**06/17-06/25/08**	**KPF341AW**
		Dilution Factor: 1		MDL.....: 1.9		
Prep Batch #...: 8171310						
Iron	ND	100	ug/L	SW846 6010B	06/19-06/20/08	KPF342AK
		Dilution Factor: 1		MDL.....: 16.0		

NOTE(S):

B Estimated result. Result is less than RL.

D Result was obtained from the analysis of a dilution.

N Spike sample recovery is outside control limits.

Fluor Hanford Inc

Client Sample ID: B1TX72

TOTAL Metals

Lot-Sample #...: F8F050329-002 **Matrix.....:** WATER
Date Sampled...: 06/04/08 **Date Received..:** 06/05/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8163070						
Mercury	ND	0.20	ug/L	SW846 7470A	06/11/08	KPF361A0
		Dilution Factor: 1		MDL.....: 0.061		
Prep Batch #...: 8169261						
Antimony	ND	60.0	ug/L	SW846 6010B	06/17-06/18/08	KPF361AA
		Dilution Factor: 1		MDL.....: 4.0		
Barium	**52.3 B**	**200**	**ug/L**	**SW846 6010B**	**06/17-06/18/08**	**KPF361AC**
		Dilution Factor: 1		MDL.....: 0.85		
Beryllium	ND	5.0	ug/L	SW846 6010B	06/17-06/18/08	KPF361AD
		Dilution Factor: 1		MDL.....: 0.50		
Cadmium	ND	5.0	ug/L	SW846 6010B	06/17-06/18/08	KPF361AE
		Dilution Factor: 1		MDL.....: 0.45		
Calcium	**46600**	**5000**	**ug/L**	**SW846 6010B**	**06/17-06/18/08**	**KPF361AF**
		Dilution Factor: 1		MDL.....: 18.6		
Chromium	**3.6 B**	**10.0**	**ug/L**	**SW846 6010B**	**06/17-06/18/08**	**KPF361AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	06/17-06/18/08	KPF361AH
		Dilution Factor: 1		MDL.....: 4.0		
Copper	ND	25.0	ug/L	SW846 6010B	06/17-06/18/08	KPF361AJ
		Dilution Factor: 1		MDL.....: 4.6		
Magnesium	**14900**	**5000**	**ug/L**	**SW846 6010B**	**06/17-06/18/08**	**KPF361AL**
		Dilution Factor: 1		MDL.....: 110		
Manganese	**1.1 B**	**15.0**	**ug/L**	**SW846 6010B**	**06/17-06/18/08**	**KPF361AM**
		Dilution Factor: 1		MDL.....: 0.96		
Nickel	ND	40.0	ug/L	SW846 6010B	06/17-06/18/08	KPF361AN
		Dilution Factor: 1		MDL.....: 13.3		
Potassium	**4040 N**	**5000**	**ug/L**	**SW846 6010B**	**06/17-06/18/08**	**KPF361AP**
		Dilution Factor: 1		MDL.....: 1650		

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Fluor Hanford Inc

Client Sample ID: B1TX72

TOTAL Metals

Lot-Sample #...: F8F050329-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	ND	10.0	ug/L	SW846 6010B	06/17-06/18/08	KPF361AQ
		Dilution Factor: 1		MDL.....: 6.0		
Sodium	**23400**	**5000**	**ug/L**	**SW846 6010B**	**06/17-06/18/08**	**KPF361AR**
		Dilution Factor: 1		MDL.....: 134		
Strontium	**225**	**50.0**	**ug/L**	**SW846 6010B**	**06/17-06/18/08**	**KPF361AT**
		Dilution Factor: 1		MDL.....: 0.54		
Vanadium	**19.0 B**	**50.0**	**ug/L**	**SW846 6010B**	**06/17-06/18/08**	**KPF361AU**
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	**7.4 B**	**20.0**	**ug/L**	**SW846 6010B**	**06/17-06/18/08**	**KPF361AV**
		Dilution Factor: 1		MDL.....: 5.2		
Prep Batch #...: 8169262						
Lead	ND	3.0	ug/L	SW846 6020	06/17-06/25/08	KPF361AX
		Dilution Factor: 1		MDL.....: 0.49		
Arsenic	**2.1 B**	**10.0**	**ug/L**	**SW846 6020**	**06/17-06/25/08**	**KPF361AW**
		Dilution Factor: 1		MDL.....: 1.9		
Prep Batch #...: 8171310						
Iron	**94.4 B**	**100**	**ug/L**	**SW846 6010B**	**06/19-06/20/08**	**KPF362AK**
		Dilution Factor: 1		MDL.....: 16.0		

NOTE(S):

B Estimated result. Result is less than RL.

N Spike sample recovery is outside control limits.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: SL740 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: F8F110000-070 **Prep Batch #...:** 8163070						
Mercury	ND	0.20	ug/L	SW846 7470A	06/11/08	KPNX21AA
		Dilution Factor: 1				
MB Lot-Sample #: F8F170000-261 **Prep Batch #...:** 8169261						
Antimony	ND	60.0	ug/L	SW846 6010B	06/17-06/18/08	KP3WL1AW
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010B	06/17-06/18/08	KP3WL1AX
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	06/17-06/18/08	KP3WL1A0
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	06/17-06/18/08	KP3WL1A1
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010B	06/17-06/18/08	KP3WL1A2
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	06/17-06/18/08	KP3WL1A3
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010B	06/17-06/18/08	KP3WL1A4
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	06/17-06/18/08	KP3WL1A5
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010B	06/17-06/18/08	KP3WL1A7
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010B	06/17-06/18/08	KP3WL1A8
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	06/17-06/18/08	KP3WL1A9
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010B	06/17-06/18/08	KP3WL1CA
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	06/17-06/18/08	KP3WL1CC
		Dilution Factor: 1				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: SL740 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	ND	5000	ug/L	SW846 6010B	06/17-06/18/08	KP3WL1CD
		Dilution Factor: 1				
Strontium	ND	50.0	ug/L	SW846 6010B	06/17-06/18/08	KP3WL1CE
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010B	06/17-06/18/08	KP3WL1CF
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	06/17-06/18/08	KP3WL1CG
		Dilution Factor: 1				

MB Lot-Sample #: F8F170000-262 **Prep Batch #...:** 8169262

Lead	ND	3.0	ug/L	SW846 6020	06/17-06/25/08	KP3WX1AE
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6020	06/17-06/25/08	KP3WX1AD
		Dilution Factor: 1				

MB Lot-Sample #: F8F190000-310 **Prep Batch #...:** 8171310

Iron	ND	100	ug/L	SW846 6010B	06/19-06/20/08	KP8FA1AC
		Dilution Factor: 1				

NOTE(S):

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

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: SL740 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: F8F110000-072 **Prep Batch #...:** 8163072						
Mercury	ND	0.20	ug/L	SW846 7470A	06/11/08	KPNX71AA
		Dilution Factor: 1				
MB Lot-Sample #: F8F170000-261 **Prep Batch #...:** 8169261						
Antimony	ND	60.0	ug/L	SW846 6010B	06/17-06/18/08	KP3WL1AA
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010B	06/17-06/18/08	KP3WL1AC
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	06/17-06/18/08	KP3WL1AD
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	06/17-06/18/08	KP3WL1AE
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010B	06/17-06/18/08	KP3WL1AF
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	06/17-06/18/08	KP3WL1AG
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010B	06/17-06/18/08	KP3WL1AH
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	06/17-06/18/08	KP3WL1AJ
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010B	06/17-06/18/08	KP3WL1AL
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010B	06/17-06/18/08	KP3WL1AM
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	06/17-06/18/08	KP3WL1AN
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010B	06/17-06/18/08	KP3WL1AP
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	06/17-06/18/08	KP3WL1AQ
		Dilution Factor: 1				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: SL740 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	ND	5000	ug/L	SW846 6010B	06/17-06/18/08	KP3WL1AR
		Dilution Factor: 1				
Strontium	ND	50.0	ug/L	SW846 6010B	06/17-06/18/08	KP3WL1AT
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010B	06/17-06/18/08	KP3WL1AU
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	06/17-06/18/08	KP3WL1AV
		Dilution Factor: 1				
MB Lot-Sample #: F8F170000-262 **Prep Batch #...:** 8169262						
Lead	ND	3.0	ug/L	SW846 6020	06/17-06/25/08	KP3WX1AC
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6020	06/17-06/25/08	KP3WX1AA
		Dilution Factor: 1				
MB Lot-Sample #: F8F190000-310 **Prep Batch #...:** 8171310						
Iron	ND	100	ug/L	SW846 6010B	06/19-06/20/08	KP8FA1AA
		Dilution Factor: 1				

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: SL740 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: F8F110000-070 **Prep Batch #...:** 8163070							
Mercury	1.00	0.955	ug/L	96	SW846 7470A	06/11/08	KPNX21AC
			Dilution Factor: 1				
LCS Lot-Sample#: F8F170000-261 **Prep Batch #...:** 8169261							
Antimony	500	510	ug/L	102	SW846 6010B	06/17-06/18/08	KP3WL1C4
			Dilution Factor: 1				
Barium	500	529	ug/L	106	SW846 6010B	06/17-06/18/08	KP3WL1C5
			Dilution Factor: 1				
Beryllium	500	542	ug/L	108	SW846 6010B	06/17-06/18/08	KP3WL1C6
			Dilution Factor: 1				
Cadmium	500	509	ug/L	102	SW846 6010B	06/17-06/18/08	KP3WL1C7
			Dilution Factor: 1				
Calcium	10000	10600	ug/L	106	SW846 6010B	06/17-06/18/08	KP3WL1C8
			Dilution Factor: 1				
Chromium	500	499	ug/L	100	SW846 6010B	06/17-06/18/08	KP3WL1C9
			Dilution Factor: 1				
Cobalt	500	489	ug/L	98	SW846 6010B	06/17-06/18/08	KP3WL1DA
			Dilution Factor: 1				
Copper	500	557	ug/L	111	SW846 6010B	06/17-06/18/08	KP3WL1DC
			Dilution Factor: 1				
Magnesium	10000	10100	ug/L	101	SW846 6010B	06/17-06/18/08	KP3WL1DE
			Dilution Factor: 1				
Manganese	500	508	ug/L	102	SW846 6010B	06/17-06/18/08	KP3WL1DF
			Dilution Factor: 1				
Nickel	500	503	ug/L	101	SW846 6010B	06/17-06/18/08	KP3WL1DG
			Dilution Factor: 1				
Potassium	10000	11200	ug/L	112	SW846 6010B	06/17-06/18/08	KP3WL1DH
			Dilution Factor: 1				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: SL740 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	125	124	ug/L	99	SW846 6010B	06/17-06/18/08	KP3WL1DJ
			Dilution Factor: 1				
Sodium	10000	11500	ug/L	115	SW846 6010B	06/17-06/18/08	KP3WL1DK
			Dilution Factor: 1				
Strontium	500	526	ug/L	105	SW846 6010B	06/17-06/18/08	KP3WL1DL
			Dilution Factor: 1				
Vanadium	500	508	ug/L	102	SW846 6010B	06/17-06/18/08	KP3WL1DM
			Dilution Factor: 1				
Zinc	500	558	ug/L	112	SW846 6010B	06/17-06/18/08	KP3WL1DN
			Dilution Factor: 1				
LCS Lot-Sample#: F8F170000-262 **Prep Batch #...:** 8169262							
Lead	500	513	ug/L	103	SW846 6020	06/17-06/25/08	KP3WX1AJ
			Dilution Factor: 1				
Arsenic	500	481	ug/L	96	SW846 6020	06/17-06/25/08	KP3WX1AH
			Dilution Factor: 1				
LCS Lot-Sample#: F8F190000-310 **Prep Batch #...:** 8171310							
Iron	500	534	ug/L	107	SW846 6010B	06/19-06/20/08	KP8FA1AE
			Dilution Factor: 1				

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL740 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: F8F110000-072 **Prep Batch #...:** 8163072							
Mercury	1.00	1.02	ug/L	102	SW846 7470A	06/11/08	KPNX71AC
			Dilution Factor: 1				
LCS Lot-Sample#: F8F170000-261 **Prep Batch #...:** 8169261							
Antimony	500	510	ug/L	102	SW846 6010B	06/17-06/18/08	KP3WL1CH
			Dilution Factor: 1				
Barium	500	529	ug/L	106	SW846 6010B	06/17-06/18/08	KP3WL1CJ
			Dilution Factor: 1				
Beryllium	500	542	ug/L	108	SW846 6010B	06/17-06/18/08	KP3WL1CK
			Dilution Factor: 1				
Cadmium	500	509	ug/L	102	SW846 6010B	06/17-06/18/08	KP3WL1CL
			Dilution Factor: 1				
Calcium	10000	10600	ug/L	106	SW846 6010B	06/17-06/18/08	KP3WL1CM
			Dilution Factor: 1				
Chromium	500	499	ug/L	100	SW846 6010B	06/17-06/18/08	KP3WL1CN
			Dilution Factor: 1				
Cobalt	500	489	ug/L	98	SW846 6010B	06/17-06/18/08	KP3WL1CP
			Dilution Factor: 1				
Copper	500	557	ug/L	111	SW846 6010B	06/17-06/18/08	KP3WL1CQ
			Dilution Factor: 1				
Magnesium	10000	10100	ug/L	101	SW846 6010B	06/17-06/18/08	KP3WL1CT
			Dilution Factor: 1				
Manganese	500	508	ug/L	102	SW846 6010B	06/17-06/18/08	KP3WL1CU
			Dilution Factor: 1				
Nickel	500	503	ug/L	101	SW846 6010B	06/17-06/18/08	KP3WL1CV
			Dilution Factor: 1				
Potassium	10000	11200	ug/L	112	SW846 6010B	06/17-06/18/08	KP3WL1CW
			Dilution Factor: 1				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL740 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	125	124	ug/L	99	SW846 6010B	06/17-06/18/08	KP3WL1CX
			Dilution Factor: 1				
Sodium	10000	11500	ug/L	115	SW846 6010B	06/17-06/18/08	KP3WL1C0
			Dilution Factor: 1				
Strontium	500	526	ug/L	105	SW846 6010B	06/17-06/18/08	KP3WL1C1
			Dilution Factor: 1				
Vanadium	500	508	ug/L	102	SW846 6010B	06/17-06/18/08	KP3WL1C2
			Dilution Factor: 1				
Zinc	500	558	ug/L	112	SW846 6010B	06/17-06/18/08	KP3WL1C3
			Dilution Factor: 1				
LCS Lot-Sample#: F8F170000-262 **Prep Batch #...:** 8169262							
Lead	500	513	ug/L	103	SW846 6020	06/17-06/25/08	KP3WX1AG
			Dilution Factor: 1				
Arsenic	500	481	ug/L	96	SW846 6020	06/17-06/25/08	KP3WX1AF
			Dilution Factor: 1				
LCS Lot-Sample#: F8F190000-310 **Prep Batch #...:** 8171310							
Iron	500	534	ug/L	107	SW846 6010B	06/19-06/20/08	KP8FA1AD
			Dilution Factor: 1				

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: SL740 **Matrix.....:** WATER
Date Sampled...: 06/04/08 **Date Received..:** 06/05/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F8F050329-002 **Prep Batch #...:** 8163070									
Mercury									
	ND	1.00	1.01	ug/L	101		SW846 7470A	06/11/08	KPF361A5
	ND	1.00	1.07	ug/L	107	5.8	SW846 7470A	06/11/08	KPF361A6

Dilution Factor: 1

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL740 **Matrix.....:** WATER
Date Sampled...: 06/04/08 **Date Received..:** 06/05/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F8F050329-001 **Prep Batch #...:** 8163072									
Mercury									
	ND	1.00	1.01	ug/L	101		SW846 7470A	06/11/08	KPF341A1
	ND	1.00	0.965	ug/L	96	4.6	SW846 7470A	06/11/08	KPF341A2
			Dilution Factor: 1						
MS Lot-Sample #: F8F050329-001 **Prep Batch #...:** 8169261									
Antimony									
	ND	250	259	ug/L	104		SW846 6010B	06/17-06/18/08	KPF341A3
	ND	250	259	ug/L	104	0.02	SW846 6010B	06/17-06/18/08	KPF341A4
			Dilution Factor: 1						
Barium									
	58.8	1000	1100	ug/L	104		SW846 6010B	06/17-06/18/08	KPF341A5
	58.8	1000	1120	ug/L	107	1.9	SW846 6010B	06/17-06/18/08	KPF341A6
			Dilution Factor: 1						
Beryllium									
	ND	25.0	28.1	ug/L	112		SW846 6010B	06/17-06/18/08	KPF341A7
	ND	25.0	28.7	ug/L	115	2.0	SW846 6010B	06/17-06/18/08	KPF341A8
			Dilution Factor: 1						
Cadmium									
	ND	25.0	25.9	ug/L	104		SW846 6010B	06/17-06/18/08	KPF341A9
	ND	25.0	26.1	ug/L	104	0.84	SW846 6010B	06/17-06/18/08	KPF341CA
			Dilution Factor: 1						
Calcium									
	46300	25000	71200 D	ug/L	100		SW846 6010B	06/17-06/18/08	KPF341CC
	46300	25000	72500 D	ug/L	105	1.9	SW846 6010B	06/17-06/18/08	KPF341CD
			Dilution Factor: 5						
Chromium									
	3.7	100	105	ug/L	102		SW846 6010B	06/17-06/18/08	KPF341CE
	3.7	100	107	ug/L	104	1.8	SW846 6010B	06/17-06/18/08	KPF341CF
			Dilution Factor: 1						
Cobalt									
	ND	250	243	ug/L	97		SW846 6010B	06/17-06/18/08	KPF341CG
	ND	250	247	ug/L	99	1.6	SW846 6010B	06/17-06/18/08	KPF341CH
			Dilution Factor: 1						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL740 **Matrix.....:** WATER
Date Sampled...: 06/04/08 **Date Received..:** 06/05/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper									
	20.4	125	123	ug/L	82		SW846 6010B	06/17-06/18/08	KPF341CJ
	20.4	125	125	ug/L	84	1.9	SW846 6010B	06/17-06/18/08	KPF341CK
			Dilution Factor: 1						
Magnesium									
	14900	25000	39900	ug/L	100		SW846 6010B	06/17-06/18/08	KPF341CN
	14900	25000	41100	ug/L	105	2.8	SW846 6010B	06/17-06/18/08	KPF341CP
			Dilution Factor: 1						
Manganese									
	2.8	250	261	ug/L	103		SW846 6010B	06/17-06/18/08	KPF341CQ
	2.8	250	266	ug/L	105	1.8	SW846 6010B	06/17-06/18/08	KPF341CR
			Dilution Factor: 1						
Nickel									
	ND	250	250	ug/L	100		SW846 6010B	06/17-06/18/08	KPF341CT
	ND	250	255	ug/L	102	1.6	SW846 6010B	06/17-06/18/08	KPF341CU
			Dilution Factor: 1						
Potassium									
	2740	12500	22600 N	ug/L	159		SW846 6010B	06/17-06/18/08	KPF341CV
	2740	12500	21400 N	ug/L	150	5.4	SW846 6010B	06/17-06/18/08	KPF341CW
			Dilution Factor: 1						
Silver									
	ND	25.0	25.6	ug/L	103		SW846 6010B	06/17-06/18/08	KPF341CX
	ND	25.0	25.7	ug/L	103	0.38	SW846 6010B	06/17-06/18/08	KPF341C0
			Dilution Factor: 1						
Sodium									
	23200	12500	36400	ug/L	105		SW846 6010B	06/17-06/18/08	KPF341C1
	23200	12500	37700	ug/L	116	3.6	SW846 6010B	06/17-06/18/08	KPF341C2
			Dilution Factor: 1						
Strontium									
	224	500	765 D	ug/L	108		SW846 6010B	06/17-06/18/08	KPF341C3
	224	500	783 D	ug/L	112	2.3	SW846 6010B	06/17-06/18/08	KPF341C4
			Dilution Factor: 5						
Vanadium									
	20.0	250	279	ug/L	104		SW846 6010B	06/17-06/18/08	KPF341C5
	20.0	250	284	ug/L	106	1.8	SW846 6010B	06/17-06/18/08	KPF341C6
			Dilution Factor: 1						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL740 **Matrix.....:** WATER
Date Sampled...: 06/04/08 **Date Received..:** 06/05/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	16.6	250	276	ug/L	104		SW846 6010B	06/17-06/18/08	KPF341C7
	16.6	250	279	ug/L	105	0.86	SW846 6010B	06/17-06/18/08	KPF341C8
			Dilution Factor: 1						
MS Lot-Sample #: F8F050329-001 **Prep Batch #...:** 8169262									
Lead									
	2.2	250	266	ug/L	106		SW846 6020	06/17-06/25/08	KPF341DC
	2.2	250	276	ug/L	109	3.5	SW846 6020	06/17-06/25/08	KPF341DD
			Dilution Factor: 1						
Arsenic									
	2.1	1000	1010	ug/L	101		SW846 6020	06/17-06/25/08	KPF341C9
	2.1	1000	1010	ug/L	101	0.35	SW846 6020	06/17-06/25/08	KPF341DA
			Dilution Factor: 1						
MS Lot-Sample #: F8F050329-001 **Prep Batch #...:** 8171310									
Iron									
	ND	500	536	ug/L	107		SW846 6010B	06/19-06/20/08	KPF341DE
	ND	500	547	ug/L	109	2.1	SW846 6010B	06/19-06/20/08	KPF341DF
			Dilution Factor: 1						

NOTE(S):

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

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

WET CHEMISTRY

Fluor Hanford Inc

Client Sample ID: B1V9W6

General Chemistry

Lot-Sample #...: F8E290290-001 **Work Order #...:** KN3M4 **Matrix.....:** WATER
Date Sampled...: 05/27/08 **Date Received..:** 05/29/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phenol	**16.3 B,C**	**50.0**	**ug/L**	**MCAWW 420.2**	**06/17/08**	**8169084**
	Dilution Factor: 1			MDL.....: 14.0		
Total Sulfide	ND	1.0	mg/L	SW846 9030	06/03/08	8155080
	Dilution Factor: 1			MDL.....: 0.18		
TOX	**15.2**	**5.0**	**ug/L**	**SW846 9020B**	**06/24/08**	**8170508**
	Dilution Factor: 1			MDL.....: 3.5		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

C Analyte detected in method blank above the MDL/IDL.

Fluor Hanford Inc

Client Sample ID: B1V9W7

General Chemistry

Lot-Sample #...: F8E290290-002 **Work Order #...:** KN3NR **Matrix.....:** WATER
Date Sampled...: 05/27/08 **Date Received..:** 05/29/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phenol	**16.3 B,C**	**50.0**	**ug/L**	**MCAWW 420.2**	**06/17/08**	**8169084**
		Dilution Factor: 1		MDL.....: 14.0		
Total Sulfide	ND	1.0	mg/L	SW846 9030	06/03/08	8155080
		Dilution Factor: 1		MDL.....: 0.18		
TOX	**22.0**	**5.0**	**ug/L**	**SW846 9020B**	**06/24/08**	**8170508**
		Dilution Factor: 1		MDL.....: 3.5		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

C Analyte detected in method blank above the MDL/IDL.

Fluor Hanford Inc

Client Sample ID: B1TX72

General Chemistry

Lot-Sample #...: F8F050329-002 **Work Order #...:** KPF36 **Matrix.....:** WATER
Date Sampled...: 06/04/08 **Date Received..:** 06/05/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**3.1**	**1.0**	**mg/L**	**SW846 9060**	**06/25/08**	**8177606**
		Dilution Factor: 1		MDL.....: 0.20		
TOX	ND	5.0	ug/L	SW846 9020B	06/24/08	8170508
		Dilution Factor: 1		MDL.....: 3.5		

Fluor Hanford Inc

Client Sample ID: B1TX75

General Chemistry

Lot-Sample #...: F8F050329-003 **Work Order #...:** KPF4L **Matrix.....:** WATER
Date Sampled...: 06/04/08 **Date Received..:** 06/05/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	ND	5.0	ug/L	SW846 9012	06/09/08	8161107

Dilution Factor: 1 MDL.....: 3.6

Fluor Hanford Inc

Client Sample ID: B1V9V0

General Chemistry

Lot-Sample #...: F8F050335-001 **Work Order #...:** KPF57 **Matrix.....:** WATER
Date Sampled...: 06/04/08 **Date Received..:** 06/05/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phenol	**16.3 B,C**	**50.0**	**ug/L**	**MCAWW 420.2**	**06/17/08**	**8169084**
		Dilution Factor: 1		MDL.....: 14.0		
Total Sulfide	ND	1.0	mg/L	SW846 9030	06/09/08	8161149
		Dilution Factor: 1		MDL.....: 0.18		
TOX	**136**	**5.0**	**ug/L**	**SW846 9020B**	**06/24/08**	**8170508**
		Dilution Factor: 1		MDL.....: 3.5		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

C Analyte detected in method blank above the MDL/IDL.

Fluor Hanford Inc

Client Sample ID: B1V9R8

General Chemistry

Lot-Sample #...: F8F050335-002 **Work Order #...:** KPF58 **Matrix.....:** WATER
Date Sampled...: 06/04/08 **Date Received..:** 06/05/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phenol	**16.3 B,C**	**50.0**	**ug/L**	**MCAWW 420.2**	**06/17/08**	**8169084**
		Dilution Factor: 1		MDL.....: 14.0		
Total Sulfide	ND	1.0	mg/L	SW846 9030	06/09/08	8161149
		Dilution Factor: 1		MDL.....: 0.18		
TOX	**6.5**	**5.0**	**ug/L**	**SW846 9020B**	**06/24/08**	**8170508**
		Dilution Factor: 1		MDL.....: 3.5		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

C Analyte detected in method blank above the MDL/IDL.

Fluor Hanford Inc

Client Sample ID: B1V660

General Chemistry

Lot-Sample #...: F8F050335-003 **Work Order #...:** KPF59 **Matrix.....:** WATER
Date Sampled...: 06/04/08 **Date Received..:** 06/05/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phenol	**16.3 B,C**	**50.0**	**ug/L**	**MCAWW 420.2**	**06/17/08**	**8169084**
		Dilution Factor: 1		MDL.....: 14.0		
Total Sulfide	ND	1.0	mg/L	SW846 9030	06/09/08	8161149
		Dilution Factor: 1		MDL.....: 0.18		
TOX	ND	5.0	ug/L	SW846 9020B	06/24/08	8170508
		Dilution Factor: 1		MDL.....: 3.5		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

C Analyte detected in method blank above the MDL/IDL.

Fluor Hanford Inc

Client Sample ID: B1V659

General Chemistry

Lot-Sample #...: F8F050335-004 **Work Order #...:** KPF6A **Matrix.....:** WATER
Date Sampled...: 06/04/08 **Date Received..:** 06/05/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phenol	**16.3 B,C**	**50.0**	**ug/L**	**MCAWW 420.2**	**06/17/08**	**8169084**
		Dilution Factor: 1		MDL.....: 14.0		
Total Sulfide	ND	1.0	mg/L	SW846 9030	06/09/08	8161149
		Dilution Factor: 1		MDL.....: 0.18		
TOX	**82.5**	**5.0**	**ug/L**	**SW846 9020B**	**06/24/08**	**8170508**
		Dilution Factor: 1		MDL.....: 3.5		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

C Analyte detected in method blank above the MDL/IDL.

Fluor Hanford Inc

Client Sample ID: B1VPJ7

General Chemistry

Lot-Sample #...: F8F100216-001 **Work Order #...:** KPM2F **Matrix.....:** WATER
Date Sampled...: 06/05/08 **Date Received..:** 06/06/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	2.3	1.0	mg/L	SW846 9060	06/25/08	8177606
		Dilution Factor: 1		MDL.....: 0.20		
TOX	8.8	5.0	ug/L	SW846 9020B	06/24/08	8170508
		Dilution Factor: 1		MDL.....: 3.5		

Fluor Hanford Inc

Client Sample ID: B1VPJ8

General Chemistry

Lot-Sample #...: F8F100216-002 **Work Order #...:** KPM2Q **Matrix.....:** WATER
Date Sampled...: 06/05/08 **Date Received..:** 06/06/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	2.2	1.0	mg/L	SW846 9060	06/25/08	8177606
		Dilution Factor: 1		MDL.....: 0.20		
TOX	9.7	5.0	ug/L	SW846 9020B	06/24/08	8170508
		Dilution Factor: 1		MDL.....: 3.5		

Fluor Hanford Inc

Client Sample ID: B1VPJ9

General Chemistry

Lot-Sample #...: F8F100216-003 **Work Order #...:** KPM2R **Matrix.....:** WATER
Date Sampled...: 06/05/08 **Date Received..:** 06/06/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	22.8 D	5.0	mg/L	SW846 9060	06/25/08	8177606
		Dilution Factor: 5		MDL.....: 1.0		
TOX	10.5	5.0	ug/L	SW846 9020B	06/24/08	8170508
		Dilution Factor: 1		MDL.....: 3.5		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

Fluor Hanford Inc

Client Sample ID: B1VPK0

General Chemistry

Lot-Sample #...: F8F100216-004 **Work Order #...:** KPM20 **Matrix.....:** WATER
Date Sampled...: 06/05/08 **Date Received..:** 06/06/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	22.8 D	5.0	mg/L	SW846 9060	06/25/08	8177606
		Dilution Factor: 5		MDL.....: 1.0		
TOX	9.6	5.0	ug/L	SW846 9020B	06/25/08	8178221
		Dilution Factor: 1		MDL.....: 3.5		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

Fluor Hanford Inc

Client Sample ID: B1VPP5

General Chemistry

Lot-Sample #...: F8F100216-005 **Work Order #...:** KPM21 **Matrix.....:** WATER
Date Sampled...: 06/05/08 **Date Received..:** 06/06/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	8.4	5.0	ug/L	SW846 9020B	06/25/08	8178221

Dilution Factor: 1 MDL.....: 3.5

Fluor Hanford Inc

Client Sample ID: B1VPP6

General Chemistry

Lot-Sample #...: F8F100216-006 **Work Order #...:** KPM23 **Matrix.....:** WATER
Date Sampled...: 06/05/08 **Date Received..:** 06/06/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	7.0	5.0	ug/L	SW846 9020B	06/25/08	8178221

Dilution Factor: 1 MDL.....: 3.5

Fluor Hanford Inc

Client Sample ID: B1VPP7

General Chemistry

Lot-Sample #...: F8F100216-007 **Work Order #...:** KPM25 **Matrix.....:** WATER
Date Sampled...: 06/05/08 **Date Received..:** 06/06/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	7.4	5.0	ug/L	SW846 9020B	06/25/08	8178221

Dilution Factor: 1 MDL.....: 3.5

Fluor Hanford Inc

Client Sample ID: B1VPP8

General Chemistry

Lot-Sample #...: F8F100216-008 **Work Order #...:** KPM26 **Matrix.....:** WATER
Date Sampled...: 06/05/08 **Date Received..:** 06/06/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	6.7	5.0	ug/L	SW846 9020B	06/25/08	8178221

Dilution Factor: 1 MDL.....: 3.5

Fluor Hanford Inc

Client Sample ID: B1VPK9

General Chemistry

Lot-Sample #...: F8F100216-009 **Work Order #...:** KPM28 **Matrix.....:** WATER
Date Sampled...: 06/05/08 **Date Received..:** 06/06/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	06/25/08	8178221

Dilution Factor: 1 MDL.....: 3.5

Fluor Hanford Inc

Client Sample ID: B1VPL1

General Chemistry

Lot-Sample #...: F8F100216-011 **Work Order #...:** KPM3A **Matrix.....:** WATER
Date Sampled...: 06/05/08 **Date Received..:** 06/06/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	06/25/08	8178221

Dilution Factor: 1 MDL.....: 3.5

Fluor Hanford Inc

Client Sample ID: B1VKV1

General Chemistry

Lot-Sample #...: F8F100222-001 **Work Order #...:** KPM3W **Matrix.....:** WATER
Date Sampled...: 06/09/08 **Date Received..:** 06/10/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phenol	**16.3 B,C**	**50.0**	**ug/L**	**MCAWW 420.2**	**06/17/08**	**8169084**
	Dilution Factor: 1			MDL.....: 14.0		
Total Sulfide	ND	1.0	mg/L	SW846 9030	06/11/08	8163173
	Dilution Factor: 1			MDL.....: 0.18		
TOX	**6.0**	**5.0**	**ug/L**	**SW846 9020B**	**06/25/08**	**8178221**
	Dilution Factor: 1			MDL.....: 3.5		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

C Analyte detected in method blank above the MDL/IDL.

Fluor Hanford Inc

Client Sample ID: B1VKV2

General Chemistry

Lot-Sample #...: F8F100222-002 **Work Order #...:** KPM36 **Matrix.....:** WATER
Date Sampled...: 06/09/08 **Date Received..:** 06/10/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phenol	**16.3 B,C**	**50.0**	**ug/L**	**MCAWW 420.2**	**06/17/08**	**8169084**
		Dilution Factor: 1		MDL.....: 14.0		
Total Sulfide	ND	1.0	mg/L	SW846 9030	06/11/08	8163173
		Dilution Factor: 1		MDL.....: 0.18		
TOX	**6.3**	**5.0**	**ug/L**	**SW846 9020B**	**06/25/08**	**8178221**
		Dilution Factor: 1		MDL.....: 3.5		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

C Analyte detected in method blank above the MDL/IDL.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: SL740 **Matrix.....: WATER**

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phenol		Work Order #: KP2T91AA		MB Lot-Sample #:	F8F170000-084	
	16.3 B	**50.0**	**ug/L**	**MCAWW 420.2**	**06/17/08**	**8169084**
		Dilution Factor: 1				
Total Cyanide		Work Order #: KPK0L1AA		MB Lot-Sample #:	F8F090000-107	
	ND	5.0	ug/L	SW846 9012	06/09/08	8161107
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: KQK731AA		MB Lot-Sample #:	F8F250000-606	
	ND	1.0	mg/L	SW846 9060	06/25/08	8177606
		Dilution Factor: 1				
Total Sulfide		Work Order #: KN8NL1AA		MB Lot-Sample #:	F8F030000-080	
	ND	1.0	mg/L	SW846 9030	06/03/08	8155080
		Dilution Factor: 1				
Total Sulfide		Work Order #: KPK3D1AA		MB Lot-Sample #:	F8F090000-149	
	ND	1.0	mg/L	SW846 9030	06/09/08	8161149
		Dilution Factor: 1				
Total Sulfide		Work Order #: KPN681AA		MB Lot-Sample #:	F8F110000-173	
	ND	1.0	mg/L	SW846 9030	06/11/08	8163173
		Dilution Factor: 1				
TOX		Work Order #: KQH4K1AA		MB Lot-Sample #:	F8F180000-508	
	ND	5.0	ug/L	SW846 9020B	06/24/08	8170508
		Dilution Factor: 1				
TOX		Work Order #: KQLW01AA		MB Lot-Sample #:	F8F260000-221	
	ND	5.0	ug/L	SW846 9020B	06/25/08	8178221
		Dilution Factor: 1				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: SL740 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		WO#:KQK731AC-LCS/KQK731AD-LCSD				LCS Lot-Sample#: F8F250000-606		
	6.00	6.10	mg/L	102		SW846 9060	06/25/08	8177606
	6.00	6.10	mg/L	102	0.06	SW846 9060	06/25/08	8177606

Dilution Factor: 1

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL740 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phenol			Work Order #:	KP2T91AC	LCS Lot-Sample#:	F8F170000-084	
	200	196	ug/L	98	MCAWW 420.2	06/17/08	8169084
			Dilution Factor: 1				
Total Cyanide			Work Order #:	KPK0L1AC	LCS Lot-Sample#:	F8F090000-107	
	200	197	ug/L	99	SW846 9012	06/09/08	8161107
			Dilution Factor: 1				
Total Cyanide			Work Order #:	KPK0L1AD	LCS Lot-Sample#:	F8F090000-107	
	400	384	ug/L	96	SW846 9012	06/09/08	8161107
			Dilution Factor: 1				
Total Sulfide			Work Order #:	KN8NL1AC	LCS Lot-Sample#:	F8F030000-080	
	4.00	3.84 N	mg/L	96	SW846 9030	06/03/08	8155080
			Dilution Factor: 1				
Total Sulfide			Work Order #:	KPK3D1AC	LCS Lot-Sample#:	F8F090000-149	
	4.00	3.88 N	mg/L	97	SW846 9030	06/09/08	8161149
			Dilution Factor: 1				
Total Sulfide			Work Order #:	KPN681AC	LCS Lot-Sample#:	F8F110000-173	
	4.00	4.00 N	mg/L	100	SW846 9030	06/11/08	8163173
			Dilution Factor: 1				
TOX			Work Order #:	KQH4K1AC	LCS Lot-Sample#:	F8F180000-508	
	100	108	ug/L	108	SW846 9020B	06/24/08	8170508
			Dilution Factor: 1				
TOX			Work Order #:	KQLW01AC	LCS Lot-Sample#:	F8F260000-221	
	100	97.7	ug/L	98	SW846 9020B	06/25/08	8178221
			Dilution Factor: 1				

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL740 **Matrix.....:** WATER
Date Sampled...: 06/09/08 **Date Received..:** 06/10/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX			WO#: KN3M41AH-MS/KN3M41AJ-MSD MS Lot-Sample #: F8E290290-001						
	15.2	100	121	ug/L	106		SW846 9020B	06/24/08	8170508
	15.2	100	120	ug/L	105	0.21	SW846 9020B	06/24/08	8170508
			Dilution Factor: 1						

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL740 **Matrix.....:** WATER
Date Sampled...: 06/04/08 **Date Received..:** 06/05/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phenol			Work Order #...:		KN3M41AF	MS Lot-Sample #:		F8E290290-001
	16.3	200	188	ug/L	86	MCAWW 420.2	06/17/08	8169084
			Dilution Factor: 1					
Total Cyanide			Work Order #...:		KPF4L1AE	MS Lot-Sample #:		F8F050329-003
	ND	200	198	ug/L	99	SW846 9012	06/09/08	8161107
			Dilution Factor: 1					
Total Organic Carbon			Work Order #...:		KPF361A3	MS Lot-Sample #:		F8F050329-002
	3.1	5.00	8.30	mg/L	104	SW846 9060	06/25/08	8177606
			Dilution Factor: 1					
Total Sulfide			Work Order #...:		KN3M41AG	MS Lot-Sample #:		F8E290290-001
	ND	4.00	3.88	mg/L	97	SW846 9030	06/03/08	8155080
			Dilution Factor: 1					
Total Sulfide			Work Order #...:		KPF571AF	MS Lot-Sample #:		F8F050335-001
	ND	4.00	3.92	mg/L	98	SW846 9030	06/09/08	8161149
			Dilution Factor: 1					
Total Sulfide			Work Order #...:		KPM3W1AG	MS Lot-Sample #:		F8F100222-001
	ND	4.00	4.04	mg/L	101	SW846 9030	06/11/08	8163173
			Dilution Factor: 1					
TOX			Work Order #...:		KPM201AE	MS Lot-Sample #:		F8F100216-004
	9.6	100	126	ug/L	117	SW846 9020B	06/25/08	8178221
			Dilution Factor: 1					

NOTE(S):

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F8E290286 **Work Order #...:** KPF4L-SMP KPF4L-DUP **Matrix.....:** WATER

Date Sampled...: 06/04/08 **Date Received..:** 06/05/08

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide						SD Lot-Sample #:	F8F050329-003	
	ND	ND	ug/L	0	(0-20)	SW846 9012	06/09/08	8161107

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F8E290286 **Work Order #...:** KPF57-SMP KPF57-DUP **Matrix.....:** WATER

Date Sampled...: 06/04/08 **Date Received..:** 06/05/08

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Sulfide						SD Lot-Sample #:	F8F050335-001	
	ND	ND	mg/L	0	(0-0.0)	SW846 9030	06/09/08	8161149

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F8E290286 **Work Order #...:** KPM3W-SMP KPM3W-DUP **Matrix.....:** WATER

Date Sampled...: 06/09/08 **Date Received..:** 06/10/08

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Sulfide						SD Lot-Sample #:	F8F100222-001	
	ND	ND	mg/L	0	(0-0.0)	SW846 9030	06/11/08	8163173

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F8E290286 **Work Order #...:** KN3M4-SMP KN3M4-DUP **Matrix.....:** WATER

Date Sampled...: 05/27/08 **Date Received..:** 05/29/08

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phenol						SD Lot-Sample #:	F8E290290-001	
	16.3 B,C	16.3 B,C	ug/L	0.0	(0-20)	MCAWW 420.2	06/17/08	8169084
			Dilution Factor: 1					
Total Sulfide						SD Lot-Sample #:	F8E290290-001	
	ND	ND	mg/L	0	(0-0.0)	SW846 9030	06/03/08	8155080
			Dilution Factor: 1					

NOTE(S):

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

B Estimated result. Result is less than RL.

C The analyte was detected in the associated method blank above the IDL/MDL

C Analyte detected in method blank above the MDL/IDL.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F8E290286 **Work Order #...:** KPF36-SMP KPF36-DUP **Matrix.....:** WATER

Date Sampled...: 06/04/08 **Date Received..:** 06/05/08

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon						SD Lot-Sample #:	F8F050329-002	
	3.1	3.1	mg/L	1.6	(0-20)	SW846 9060	06/25/08	8177606

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F8E290286 **Work Order #...:** KPM20-SMP KPM20-DUP **Matrix.....:** WATER

Date Sampled...: 06/05/08 **Date Received..:** 06/06/08

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX						SD Lot-Sample #:	F8F100216-004	
	9.6	9.1	ug/L	5.7	(0-20)	SW846 9020B	06/25/08	8178221

Dilution Factor: 1