RECEIVED APRIL 7, 2008

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

S08-010

Lot #: F8B120244
SDG #: SL727

Steve Trent

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

TESTAMERICA LABORATORIES, INC.

Michael C. Franks
Project Manager

March 7, 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
March 31, 2008
Attention: Steve Trent

SDG	: SL727
Number of Samples	: 19 samples
Sample Matrix	: water
Data Deliverable	: Summary
Date SDG Closed	: February 26, 2008

II. Introduction

Between between February 12, 2008 and February 26, 2008, nineteen (19) water samples were received by TestAmerica - St. Louis for chemical analysis. The samples were received within temperature criteria. See the COC and CUR forms for documentation of any variations on receipt conditions and temperature. Upon receipt, the samples were given laboratory Ids to correspond with specific client Ids. Please refer to the Sample Summary sheets attached to this case narrative. This report is incomplete without the narrative.

III. Analytical Results/ Methodology

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

Deviation from Request: None

IV. Definitions

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

V. Comments

General

The following SAFs are associated with this SDG: S08-010, W08-012, S08-012, and I08-023

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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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Fluor Hanford Inc.
March 31, 2008
SDG: SL727

Volatiles

Batch 8049338:

The D% CCV is (higher recovered) outside the Method criteria (greater than 20% D) for Methylene chloride (25.7%), indicating a potential high bias for this analyte in the samples associated with this CCV.
Affected Samples:
F8B120244 (1): B1R2B5

The Method Blank surrogate recovery for 4-Bromofluorobenzene (119.5%) is outside acceptance limits. Samples, associated with this method blank, demonstrated acceptable surrogate recoveries indicating the surrogate excursion is isolated to the method blank and not indicative of the batch.
Affected Samples:
F8B120244 (1): B1R2B5

The MS/MSD RPDs for 2-Butanone and 1-Butanol are outside of the QC limits. Their recoveries are within the QC limits.
Affected Samples:
F8B120244 (1): B1R2B5

Methylene chloride is detected as 1.7ug/L with D% CCV (25.7% high). The result for Methylene Chloride is comparable to the result (1.9ug/L) in an initial analysis that was run outside the BFB clock. A third analysis was rejected due to insufficient sample volume and lab contamination from opening the container to perform the second analysis.
Affected Samples:
F8B120244 (1): B1R2B5

Batch: 8060117

The D% CCV is (higher recovered) outside the Method criteria (greater than 20% D) for the Bromomethane (32.2%) and Allyl chloride (32.8%), indicating a potential high bias for these analytes in the samples associated with this CCV. These analytes are not detected above the reporting limits or not reported in the associated samples.
Affected Samples:
F8B200163 (1): B1T3B7
F8B200163 (2): B1T3B8
F8B200166 (1): B1R2B4

The LCS recovery for Bromomethane (140.8%) is outside the upper QC limit, indicating a potential positive bias for the analyte. This analyte was not observed above the reporting limit in the associated samples; therefore the sample data was not adversely affected by this excursion.
The LCS/LCSD RPDs for Acrolein (24.8%) and 1,2-Dibromo-3-chloropropane (21.0%) are outside of the QC limits in the LCS/LCSD. The LCS/LCSD recoveries are within the QC limits.
Affected Samples:

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Fluor Hanford Inc.
March 31, 2008
SDG: SL727

F8B200163 (1): B1T3B7
F8B200163 (2): B1T3B8
F8B200166 (1): B1R2B4

The MS/MSD RPD for 1,4-Dioxane is (30%) outside of the QC limit. The MS/MSD recoveries are within the QC limits.
Affected Samples:
F8B200163 (1): B1T3B7
F8B200163 (2): B1T3B8
F8B200166 (1): B1R2B4

The samples were analyzed at dilution due to high concentrations of target analytes. The reporting limits have been adjusted only for those targets reported from the dilution run.
Affected Samples:
F8B200163 (1): B1T3B7
F8B200163 (2): B1T3B8

Phenols

Batch: 8050137 and 8045177

The MS/MSD RPD's are not within method acceptance criteria. MS/MSD recoveries are within QC limits demonstrating good extraction performance in the sample matrix. Results are provided with this narrative.
Affected Samples:
F8B160122 (1): B1RHF8
F8B160122 (2): B1RHD7
F8B160122 (4): B1RFR6
F8B160122 (6): B1RFR2

The opening CCV recoveries were outside the upper QC limit (greater than 15% RSD) for 4,6-dinitro-o-Cresol and Dinoseb indicating a potential high bias for those analytes in the samples associated with this CCV. These analytes were not detected above the reporting limit in the associated samples.
Affected Samples:
F8B160122 (1): B1RHF8
F8B160122 (2): B1RHD7
F8B160122 (4): B1RFR6
F8B160122 (6): B1RFR2

The opening/closing CCV recoveries were outside the upper QC limit (greater than 15% RSD) for 2-Nitrophenol, 2,4,5-Trichlorophenol, 2,3,4,6-Tetrachlorophenol, 4-Nitrophenol, 2,4-Dinitrophenol, 4,6-dinitro-o-Cresol, Pentachlorophenol, and Dinoseb indicating a potential high bias for those analytes in the samples associated with this CCV. These analytes were not detected above the reporting limit in the associated samples. The CCV surrogate recovery for 2,4,6-Tribromophenol is outside acceptable QC limits, but the surrogate was within acceptable QC limits in the associated samples.

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March 31, 2008
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Affected Samples:
F8B120248 (2): B1RFK8
F8B130132 (1): B1RJ85
F8B130132 (2): B1RJ22
F8B160122 (1): B1RHF8
F8B160122 (2): B1RHD7
F8B160122 (4): B1RFR6
F8B160122 (6): B1RFR2

The closing CCV recoveries were outside the upper QC limit (greater than 15% RSD) for 2-Nitrophenol, 4-Nitrophenol, and Dinoseb indicating a potential high bias for those analytes in the samples associated with this CCV. These analytes were not detected above the reporting limit in the associated samples. The CCV surrogate recovery for 2,4,6-Tribromophenol is outside acceptable QC limits, but the surrogate recovery was within acceptable QC limits in the associated samples.
Affected Samples:
F8B120248 (2): B1RFK8
F8B130132 (1): B1RJ85
F8B130132 (2): B1RJ22

Batch: 8059147

Due to insufficient sample volume, the MS/MSD was extracted using half volume.
Affected Samples:
F8B260229 (1): B1RJ34

The MS recovery for Pentachlorophenol 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.
Affected Samples:
F8B260229 (1): B1RJ34

There were no observations or nonconformances for the following methods:

Mercury

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Fluor Hanford Inc.

March 31, 2008
SDG: SL727

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

Reviewed and approved:

Michael Franks
St. Louis Project Manager

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

METHODS SUMMARY

SL727

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A	SW846 7470A
Phenols by GC	SW846 8040A	SW846 3520
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

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

SAMPLE SUMMARY

SL727 : F8B120244

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KG04V	001	B1R2B5	02/11/08	11:03

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

SL727 : F8B120248

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KG047	001	B1RFK7	02/10/08	09:03
KG05A	002	B1RFK8	02/10/08	09:03

NOTE(S):

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(Continued on next page)

SAMPLE SUMMARY

SL727 : F8B130132

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KG1VE	001	B1RJ85	02/11/08	10:31
KG1VN	002	B1RJ22	02/11/08	09:36

NOTE(S):

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(Continued on next page)

SAMPLE SUMMARY

SL727 : F8B160118

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KG7Q5	001	B1RCF6	02/14/08	11:50
KG7Q6	002	B1RCF7	02/14/08	11:50
KG7Q7	003	B1RCH2	02/14/08	10:30
KG7Q8	004	B1RCH3	02/14/08	10:30

NOTE(S):

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(Continued on next page)

SAMPLE SUMMARY

SL727 : F8B160122

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KG7RA	001	B1RHF8	02/14/08	09:11
KG7RC	002	B1RHD7	02/14/08	10:00
KG7RE	003	B1RFR5	02/14/08	10:30
KG7RH	004	B1RFR6	02/14/08	10:30
KG7RJ	005	B1RFR1	02/14/08	12:56
KG7RM	006	B1RFR2	02/14/08	12:56

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

SL727 : F8B200163

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KHCXH	001	B1T3B7	02/17/08	12:37
KHCXP	002	B1T3B8	02/17/08	12:37

NOTE(S):

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

(Continued on next page)

SAMPLE SUMMARY

SL727 : F8B200166

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KHCX1	001	B1R2B4	02/17/08	12:37

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

SL727 : F8B260229

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KHMNJ	001	B1RJ34	02/22/08	08:42

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
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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.

SDG# SL726

FLUOR HANHFORD

SL726

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S08-010-292

Page 1 of 1

Collector: Roy Sickle	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
AF No.: S08-010	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV. OCTOBER 2007	HNF-N-506-15	Ice Chest No. GRP-05-001 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 7909 3664 7214
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 ☐

All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 08 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
FY07 and FY08 samples cannot be in the same SDG.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1R2B5		W	2-11-08	1413	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool~4C
B1R2B5		W	1	1	1x20-mL P	Activity Scan	None

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
Roy Sickle	FEB 11 2008 1400	FedEx	
FedEx	2-12-08 10:20		02/12/08 1020

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

Quick Help

Tracking number	790936647214	**Reference**	GRP-05-001
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	Feb 11, 2008	**Delivered to**	Shipping/Receiving
Delivery date	Feb 12, 2008 10:17 AM	**Service type**	Priority Overnight
		Weight	25.0 lbs.

Status Delivered

Signature image available Yes

Date/Time		Activity	Location	Details
Feb 12, 2008	10:17 AM	**Delivered**	Earth City, MO	
	7:14 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
	7:09 AM	At local FedEx facility	EARTH CITY, MO	
	6:12 AM	At dest sort facility	BERKELEY, MO	
	4:39 AM	Departed FedEx location	MEMPHIS, TN	
	1:09 AM	Arrived at FedEx location	MEMPHIS, TN	
Feb 11, 2008	5:09 PM	Left origin	PASCO, WA	
	4:07 PM	Picked up	PASCO, WA	
	2:24 PM	Package data transmitted to FedEx		

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

Subscribe to tracking updates (optional)

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

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

Submit

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

- 2035 - Lot #(s): F8B120244, 248, 130118

Condition Upon Receipt Form

Client: Fluor Hanford COC/RFA No: W08-012-107; see below Date: 02.12.08
Quote No: 77381, 77929 Initiated By: [illegible] Time: 1020

Shipping Information

Shipper Name: FedEx
Multiple Packages (Y) N

Shipping # (s):*
1. 7918 4738 6990
2.
3.
4.
5.
6.
7.
8.
9.
10.

Sample Temperature (s):**
1. 3°
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:
508-010-292
X08-024-49, 54

Corrective Action:
☐ Client Contact Name: Informed by:
☐ Sample(s) processed "as is"
☐ Sample(s) on hold until: If released, notify:
Project Management Review: [illegible] Date: 02-13-08

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.

FLUOR HANFORD

SDG# SL727 77929

cux 2035

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W08-012-107**

Page 1 of 1

Collector: F.M. Hall	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
AF No.: W08-012	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, DECEMBER 2007	HNF-N-506-	Ice Chest No.: GWO-06-11 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7918 4738 6990
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 release per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐

All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 08 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
FY07 and FY08 samples cannot be in the same SDG

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
31RFK7 (F)		W	2-10-08	0903	1x500-mL G	7470_HG_CVAA: Mercury (1)	HNO3 to pH <2 Cool~4C
31RFK8		W			3x1000-mL aG	8040_PHENOLIC_GC: List-1 (17)	Residual Chlorine 0.0008% Na2S2O3 Cool~4C
31RFK8		W			1x500-mL G	7470_HG_CVAA: Mercury (1)	HNO3 to pH <2 Cool~4C
31RFK8		W			1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
F.M. Hall			1400 2-11-08	FED EX			
FedEx			2-12-08 10:00				02.12.08 1020

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

Quick Help

Tracking number	791847386990	**Reference**	GW0-06-11
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	Feb 11, 2008	**Delivered to**	Shipping/Receiving
Delivery date	Feb 12, 2008 10:17 AM	**Service type**	Priority Overnight
		Weight	37.0 lbs.

Status Delivered

Signature image available Yes

Date/Time		Activity	Location	Details
Feb 12, 2008	10:17 AM	**Delivered**	Earth City, MO	
	7:15 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
	7:09 AM	At local FedEx facility	EARTH CITY, MO	
	6:12 AM	At dest sort facility	BERKELEY, MO	
	4:39 AM	Departed FedEx location	MEMPHIS, TN	
	1:09 AM	Arrived at FedEx location	MEMPHIS, TN	
Feb 11, 2008	5:09 PM	Left origin	PASCO, WA	
	4:07 PM	Picked up	PASCO, WA	
	10:27 AM	Package data transmitted to FedEx		

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

Subscribe to tracking updates (optional)

Your name:

Your e-mail address:

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

Submit

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

- 2035 - Lot #(s): F8B120244, 248, 130118

Condition Upon Receipt Form

Client: Fluor Hanford COC/RFA No: W08-012-107; see below Date: 02.12.08
Quote No: 77381, 77929 Initiated By: S Time: 1020

Shipping Information

Shipper Name: FedEx
Multiple Packages (Y) N

Shipping # (s):*
1. 7918 4738 6990
2.
3.
4.
5.
6.
7.
8.
9.
10.

Sample Temperature (s):**
1. 3°
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:
S08-010-292
X08-024-49, 54

W08-012-107

Corrective Action:
☐ Client Contact Name: Informed by:
☐ Sample(s) processed "as is"
☐ Sample(s) on hold until: If released, notify:
Project Management Review: Date: 02-12-08

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# SL727

FLUOR HANFORD

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W08-012-77**

Page 1 of 1

Collector: R.F. CARRIGAN	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
AF No.: W08-012	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 7120 0367 6543
Project Title: RCRA, DECEMBER 2007	Logbook: HNF-N-506-14	Ice Chest No.: ED-15 Temp.: 39 deg
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.
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 ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 08 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
FY07 and FY08 samples cannot be in the same SDG

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1RJ85		W	2/11/08	1031	3x1000-mL aG	8040_PHENOLIC_GC: List-1 (17)	Residual Chlorine 0.0008% Na2S2O3 Cool~4C
B1RJ85		W	↓	↓	1x20-mL P	Activity Scan	None

R. Wall 2/11/08

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
FLUOR HANFORD R.F. CARRIGAN			FEB 12 2008 0745	D. R. Williamson			FEB 12 2008 0745
D. R. Williamson			FEB 12 2008 1430	FEd EX			
			2-13-08 09:30			02.13.08	0930

Matrix *

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

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

TestAmerica St. Louis

2007114

FLUOR HANFORD

SDG# SL727

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W08-012-44**

Page 1 of 1

Collector: FLUOR HANFORD R.F. CARRIGAN	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
AF No.: W08-012	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 7920 0387 6543
Project Title: RCRA DECEMBER 2007	Logbook: HNF-N-506-14	Ice Chest No.: ED 15 Temp.: 39 deg
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.
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 ☐

All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 08 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
FY07 and FY08 samples cannot be in the same SDG

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1RJ22		W	2/11/08	0936	3x1000-mL aG	8040_PHENOLIC_GC: List-1 (17)	Residual Chlorine 0.0008% Na2S2O3 Cool~4C
B1RJ22		W	↓	↓	1x20-mL P	Activity Scan	None

L. Wall 2/11/08

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
FLUOR HANFORD R.F. CARRIGAN			FEB 12 2008 0745	D. R. Williamson			FEB 12 2008 0745
D. R. Williamson			FEB 12 2008 1430	FEd EX			
RDFx			2-12-08 09:40				02.13.08 0930

Matrix *

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

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

TestAmerica St. Louis

0714

Track Shipments/FedEx Kinko's Orders

Detailed Results

Quick Help

Tracking number	792003876543	**Reference**	ED15
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	Feb 12, 2008	**Delivered to**	Shipping/Receiving
Delivery date	Feb 13, 2008 9:36 AM	**Service type**	Priority Overnight
		Weight	39.0 lbs.

Status Delivered

Signature image available Yes

Date/Time		Activity	Location	Details
Feb 13, 2008	9:36 AM	**Delivered**	Earth City, MO	
	7:05 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
	7:04 AM	At dest sort facility	BERKELEY, MO	
	6:59 AM	At local FedEx facility	EARTH CITY, MO	
	5:11 AM	Departed FedEx location	MEMPHIS, TN	
	3:56 AM	In transit	MEMPHIS, TN	
	2:14 AM	Arrived at FedEx location	MEMPHIS, TN	
Feb 12, 2008	5:07 PM	Left origin	PASCO, WA	
	4:23 PM	Picked up	PASCO, WA	
	10:15 AM	Package data transmitted to FedEx		

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

Subscribe to tracking updates (optional)

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

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

Submit

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

- 2037 - Lot #(s): F8B130132

Condition Upon Receipt Form

Client: Fluor
Quote No: 77929
COC/RFA No: W08-012-44, 77
Initiated By: [illegible]
Date: 02.13.08
Time: 0930

Shipping Information

Shipper Name: FedX
Shipping # (s):*
1. 7920 0387 6543
2.
3.
4.
5.
6.
7.
8.
9.
10.

Multiple Packages (Y) N
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:

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

Project Management Review: [signature] Date: 02-13-08

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# SL727

FLUOR HANFORD SL727

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S08-012-77

Page 1 of 1

Collector: Roy Sickle	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: S08-012	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV, DECEMBER 2007	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.: 7185106 8231
Protocol: SURV	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 08 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
FY07 and FY08 samples cannot be in the same SDG.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1RCF6 (F)		W	2-14-08	1150	1x500-mL G	7470_HG_CVAA: Mercury (1)	HNO3 to pH <2 Cool~4C
B1RCF7		W			1x20-mL P	Activity Scan	None
B1RCF7		W			1x500-mL G	7470_HG_CVAA: Mercury (1)	HNO3 to pH <2 Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Roy Sickle			FEB 15 2008 1330	Fluor Hanford	J. G. HOGAN		FEB 15 2008 1330
Fluor Hanford	J. G. HOGAN		FEB 15 2008 1400	FED EX			
FED EX			02-16-08 0840				02-16-08 0810

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# SL727

FLUOR HANFORD

SL727

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S08-012-78

Page 1 of 1

Collector: Roy Sickle	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: S08-012	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV, DECEMBER 2007	HNF-N-SOL-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.: 7918 5106 8231
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 ☐

All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 08 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
FY07 and FY08 samples cannot be in the same SDG.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1RCH2 (F)		W	2-14-08	1030	1x500-mL G	7470_HG_CVAA: Mercury (1)	HNO3 to pH <2 Cool~4C
B1RCH3		W			1x20-mL P	Activity Scan	None
B1RCH3		W			1x500-mL G	7470_HG_CVAA: Mercury (1)	HNO3 to pH <2 Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
	Roy Sickle		FEB 15 2008 1330		Fluor Hanford J. G. HOGAN		FEB 15 2008 1330
Relinquished By	Fluor Hanford J. G. HOGAN		FEB 15 2008 1400	Received By	FEDEX		Date/Time
Relinquished By	FEDEX		02-16-08 08:10	Received By			02-16-08 0810
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

Quick Help

Tracking number	791851068231	**Reference**	GRP-03-006
Signed for by	B.DANEILS	**Destination**	Earth City, MO
Ship date	Feb 15, 2008	**Delivered to**	Shipping/Receiving
Delivery date	Feb 16, 2008 8:06 AM	**Service type**	Priority Overnight
		Weight	90.0 lbs.

Status Delivered

Signature image available Yes

Date/Time		Activity	Location	Details
Feb 16, 2008	8:06 AM	**Delivered**	Earth City, MO	
	7:34 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
	7:12 AM	At local FedEx facility	EARTH CITY, MO	
	4:59 AM	At dest sort facility	ST. LOUIS, MO	
	3:56 AM	Departed FedEx location	MEMPHIS, TN	
	12:57 AM	Arrived at FedEx location	MEMPHIS, TN	
Feb 15, 2008	5:09 PM	Left origin	PASCO, WA	
	4:09 PM	Package data transmitted to FedEx		
	4:05 PM	Picked up	PASCO, WA	

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

Subscribe to tracking updates (optional)

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

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

Submit

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

- 2079 - Lot #(s): F8B140118, 122

Condition Upon Receipt Form

Client: Fluor Hanford
Quote No: 77930, 77929
COC/RFA No: [illegible]
Initiated By: [illegible]
Date: 02.16.08
Time: 0810

Shipping Information

Shipper Name: FedX
Shipping # (s):*
1. 7918 5146 8231
2.
3.
4.
5.
6.
7.
8.
9.
10.

Multiple Packages Y (N)
Sample Temperature (s):**
1. 20
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:
W08-012-299, 293, 130
S08-012-77, 78

Corrective Action:
☐ Client Contact Name: Informed by:
☐ Sample(s) processed "as is"
☐ Sample(s) on hold until: If released, notify:
Project Management Review: [illegible] Date: 02-19-08

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# SL727

FLUOR HANFORD

SL727 cur 2079

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-012-299

Page 1 of 1

Collector: Roy Sickle	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: W08-012	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA DECEMBER 2007	HNF-N-506-15	Ice Chest No.: GAP-03-006 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7918 5106 8231
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 ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 08 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
FY07 and FY08 samples cannot be in the same SDG

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1RHF8		W	2-14-08	0911	3x1000-mL aG	8040_PHENOLIC_GC: List-1 (17)	Residual Chlorine 0.0008% Na2S2O3 Cool~4C
B1RHF8		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By: Roy Sickle (Print) (Sign) Date/Time: 1330 FEB 15 2008	Received By: Fluor Hanford J. G. HOGAN (Print) (Sign) Date/Time: 1330 FEB 15 2008	Matrix *
Relinquished By: Fluor Hanford J. G. HOGAN Date/Time: 1400 FEB 15 2008	Received By: FED EX Date/Time	S = Soil; SE = Sediment; SO = Solid; SL = Sludge; W = Water; O = Oil; A = Air; DS = Drum Solid; DL = Drum Liqui; T = Tissue; WI = Wipe; L = Liquid; V = Vegetation; X = Other
Relinquished By: FEDEX Date/Time: 02-16-08 08:10	Received By: 02-16-08 0810 Date/Time	
Relinquished By: Date/Time	Received By: Date/Time	

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

TestAmerica St. Louis

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SDG# SL727

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-012-293

Page 1 of 1

Collector: Roy Sickle	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: W08-012	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, DECEMBER 2007	HNF-N-506-15	Ice Chest No.: 51 GRP-03-006 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7718 5106 8231
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 ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 08 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
FY07 and FY08 samples cannot be in the same SDG

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1RHD7		W	2-14-08	1000	3x1000-mL aG	8040_PHENOLIC_GC: List-1 (17)	Residual Chlorine 0.0008% Na2S2O3 Cool~4C
B1RHD7		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
Roy Sickle	1330 FEB 15 2008	Fluor Hanford J. G. HOGAN	1330 FEB 15 2008
Fluor Hanford J. G. HOGAN	1400 FEB 15 2008	FEDEX	
FedEx	02-16-08 0810		02/16.08 0810

Matrix *

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

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

TestAmerica St. Louis

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SDG# SL727

FLUOR HANFORD SL727

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-012-130

Page 1 of 1

Collector: R. T. Sickle	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: W08-012	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA DECEMBER 2007	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. 7918 5106 8231
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 ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 08 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
FY07 and FY08 samples cannot be in the same SDG

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1RFR5 (F)		W	2-14-08	1030	1x500-mL G	7470_HG_CVAA: Mercury (1)	HNO3 to pH <2 Cool~4C
B1RFR6		W			3x1000-mL aG	8040_PHENOLIC_GC: List-1 (17)	Residual Chlorine 0.0008% Na2S2O3 Cool~4C
B1RFR6		W			1x500-mL G	7470_HG_CVAA: Mercury (1)	HNO3 to pH <2 Cool~4C
B1RFR6		W			1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
R. T. Sickle			FEB 15 2008 1330	Fluor Hanford	J. G. HOGAN		FEB 15 2008 1330
Fluor Hanford	J. G. HOGAN		FEB 15 2008 1400	FED EX			
FED EX			02-16-08 08:10				02-16-08 0810
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# SL727

FLUOR HANFORD

SL727

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-012-129

Page 1 of 1

Collector: Roy Sickle	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: W08-012	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, DECEMBER 2007	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.: 7918 5106 8231
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 ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 08 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
FY07 and FY08 samples cannot be in the same SDG

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1RFR1 (F)		W	2-14-08	1256	1x500-mL G	7470_HG_CVAA: Mercury (1)	HNO3 to pH <2 Cool~4C
B1RFR2		W			3x1000-mL aG	8040_PHENOLIC_GC: List-1 (17)	Residual Chlorine 0.0008% Na2S2O3 Cool~4C
B1RFR2		W			1x500-mL G	7470_HG_CVAA: Mercury (1)	HNO3 to pH <2 Cool~4C
B1RFR2		W			1x20-mL P	Activity Scan	None

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
Roy Sickle	1330 FEB 15 2008	Fluor Hanford J. G. HOGAN	1330 FEB 15 2008
Fluor Hanford J. G. HOGAN	1400 FEB 15 2008	FEDEX	
FEDEX	02-16-08 08:10		02-16-08 0810

Matrix *

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

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

TestAmerica St. Louis

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Track Shipments/FedEx Kinko's Orders

Detailed Results

Quick Help

Tracking number	791851068231	**Reference**	GRP-03-006
Signed for by	B.DANEILS	**Destination**	Earth City, MO
Ship date	Feb 15, 2008	**Delivered to**	Shipping/Receiving
Delivery date	Feb 16, 2008 8:06 AM	**Service type**	Priority Overnight
		Weight	90.0 lbs.

Status Delivered

Signature image available Yes

Date/Time		Activity	Location	Details
Feb 16, 2008	8:06 AM	**Delivered**	Earth City, MO	
	7:34 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
	7:12 AM	At local FedEx facility	EARTH CITY, MO	
	4:59 AM	At dest sort facility	ST. LOUIS, MO	
	3:56 AM	Departed FedEx location	MEMPHIS, TN	
	12:57 AM	Arrived at FedEx location	MEMPHIS, TN	
Feb 15, 2008	5:09 PM	Left origin	PASCO, WA	
	4:09 PM	Package data transmitted to FedEx		
	4:05 PM	Picked up	PASCO, WA	

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

Subscribe to tracking updates (optional)

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

E-mail address	**Language**	**Exception updates**	**Delivery 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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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

- 2079 - Lot #(s): F8B140118, 122

Condition Upon Receipt Form

Client: Fluor Hanford COC/RFA No: Lufan Date: 02.14.08
Quote No: 77930, 77929 Initiated By: Time: 0810

Shipping Information

Shipper Name: FedX
Multiple Packages Y (N)

Shipping # (s):*

1.	7918 5106 8231	6.	
2.		7.	
3.		8.	
4.		9.	
5.		10.	

Sample Temperature (s):**

1.	20	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:
W08-012-299, 293, 130, 129
S08-012-77, 78

Corrective Action:
☐ Client Contact Name: Informed by:
☐ Sample(s) processed "as is"
☐ Sample(s) on hold until: If released, notify:
Project Management Review: Date: 02-19-08

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# SL727

FLUOR HANFORD

SL727

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I08-023-40

Page 1 of 1

Collector: Fluor Hanford K.J. YOUNG	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: I08-023	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 2ZP1, FEBRUARY 2008	HNF-N-506-11	Ice Chest No.: SML441 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7918 5227 5393
Protocol: CERCLA	Priority: 45 Days	Offsite Property No.

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

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

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1T3B7		W	2/17/08	1237	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	HCl or H2SO4 to pH <2 Cool~4C
B1T3B7		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford K.J. YOUNG			FEB 19 2008 1200	J.G. Hogan Fluor Hanford			FEB 19 2008 1200
J.G. Hogan Fluor Hanford			FEB 19 2008 1400	FEDEX			
FEDEX			02-20-08 09:45	B-21			2/20/08 0945

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# SL727

FLUOR HANFORD

5L727

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I08-023-168

Page 1 of 1

Collector: Fluor Hanford K.L. YOUNG	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: 108-023	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 2ZP1, FEBRUARY 2008	HNF-N-506-11	Ice Chest No.: 5m(441 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7918 5227 5393
Protocol: CERCLA	Priority: 45 Days	Offsite Property No.

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

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

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1T3B8		W	2/17/08	1237	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	HCl or H2SO4 to pH <2 Cool~4C
B1T3B8		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford K.L. YOUNG			1200 FEB 19 2008	J.G. Hogan Fluor Hanford			1200 FEB 19 2008
J.G. Hogan Fluor Hanford			1200 FEB 19 2008	FEDEX			
RD Ex			02-20-08 09:45				2/20/08 0945

Matrix *

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

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

TestAmerica St. Louis

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Track Shipments/FedEx Kinko's Orders

Detailed Results

Quick Help

Tracking number	791852275393	**Reference**	SML-441
Signed for by	A.BRUNSON	**Destination**	Earth City, MO
Ship date	Feb 19, 2008	**Delivered to**	Shipping/Receiving
Delivery date	Feb 20, 2008 9:44 AM	**Service type**	Priority Overnight
		Weight	82.0 lbs.

Status Delivered

Signature image available Yes

Date/Time		Activity	Location	Details
Feb 20, 2008	9:44 AM	**Delivered**	Earth City, MO	
	6:45 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
	6:39 AM	At local FedEx facility	EARTH CITY, MO	
	5:18 AM	At dest sort facility	BERKELEY, MO	
	4:35 AM	Departed FedEx location	MEMPHIS, TN	
	2:28 AM	In transit	MEMPHIS, TN	
	1:24 AM	Arrived at FedEx location	MEMPHIS, TN	
Feb 19, 2008	5:19 PM	Left origin	PASCO, WA	
	4:16 PM	Picked up	PASCO, WA	
	3:09 PM	Package data transmitted to FedEx		

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

Subscribe to tracking updates (optional)

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

E-mail address	**Language**	**Exception updates**	**Delivery 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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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

- 2110 - Lot #(s): F8B200154 (163) 166

Condition Upon Receipt Form

Client: Hanford COC/RFA No: See below Date: 2/20/08
Quote No: Initiated By: BA Time: 0945

Shipping Information

Shipper Name: FE Multiple Packages Y (N)

Shipping # (s):*

1. 7918 5227 5393	6.	1. 2	6.
2.	7.	2.	7.
3.	8.	3.	8.
4.	9.	4.	9.
5.	10.	5.	10.

Sample Temperature (s):**

*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: X08-024-1, 2, 3, 4, S08-010-291, T08-025-40, 168

Corrective Action:

☐ Client Contact Name: Informed by:
☐ Sample(s) processed "as is"
☐ Sample(s) on hold until: If released, notify:
Project Management Review: Date: 02-20-08

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

SDG# SL727

FLUOR HANFORD

SL727

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S08-010-291

Page 1 of 1

Collector: Fluor Hanford K. J. YOUNG	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: S08-010	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV, OCTOBER 2007	HNF-N-506-11	Ice Chest No.: SMC441 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7918 5227 5393
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 ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 08 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
FY07 and FY08 samples cannot be in the same SDG.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1R2B4		W	2/17/08	1237	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool~4C
B1R2B4		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford K. J. YOUNG			FEB 19 2008 1200	J.G. Hogan Fluor Hanford			FEB 19 2008 1200
J.G. Hogan Fluor Hanford			FEB 19 2008 1400	FEDEX			
RDEx			02-20-08 09:45	B-A1			2/20/08 0945

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

114

Track Shipments/FedEx Kinko's Orders

Detailed Results

Quick Help

Tracking number	791852275393	**Reference**	SML-441
Signed for by	A.BRUNSON	**Destination**	Earth City, MO
Ship date	Feb 19, 2008	**Delivered to**	Shipping/Receiving
Delivery date	Feb 20, 2008 9:44 AM	**Service type**	Priority Overnight
		Weight	82.0 lbs.

Status Delivered

Signature image available Yes

Date/Time		Activity	Location	Details
Feb 20, 2008	9:44 AM	**Delivered**	Earth City, MO	
	6:45 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
	6:39 AM	At local FedEx facility	EARTH CITY, MO	
	5:18 AM	At dest sort facility	BERKELEY, MO	
	4:35 AM	Departed FedEx location	MEMPHIS, TN	
	2:28 AM	In transit	MEMPHIS, TN	
	1:24 AM	Arrived at FedEx location	MEMPHIS, TN	
Feb 19, 2008	5:19 PM	Left origin	PASCO, WA	
	4:16 PM	Picked up	PASCO, WA	
	3:09 PM	Package data transmitted to FedEx		

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

Subscribe to tracking updates (optional)

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

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

Submit

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

- 2110 - Lot #(s): F8B200154, 163, 166

Condition Upon Receipt Form

Client: Hanford
Quote No:
COC/RFA No: See below
Initiated By: BA
Date: 2/20/08
Time: 0945

Shipping Information

Shipper Name: FE
Multiple Packages Y (N)

Shipping # (s):*
1. 7918 5227 5393
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: X08-024-1, 2, 3, 4, S08-010-291, T08-025-40, 168

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

Project Management Review: [signature] Date: 02-20-08

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# SL727

FLUOR HANFORD SL727

CW 2/55

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W08-012-48**

Page 1 of 1

Collector: F.M. Hall	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: W08-012	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA DECEMBER 2007	HNF-N-506-12	Ice Chest No.: ALPHA Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7909 4661 0321
Protocol: RCRA	Priority: 45 Days	Offsite Property No.: N/A

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

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 08 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
FY07 and FY08 samples cannot be in the same SDG

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1RJ34		W	2/22/08	0802	3x1000-mL aG	8040_PHENOLIC_GC: List-1 (17)	Residual Chlorine 0.0008% Na2S2O3 Cool~4C
B1RJ34		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
F.M. Hall			1100 FEB 25 2008	FEDEX	Fluor Hanford J. G. HOGAN		1100 FEB 25 2008
Fluor Hanford J. G. HOGAN			1400 FEB 25 2008	FEDEX			
FEDEX			02-26-08 09:30				02-26-08 0930

Matrix *

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

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

TestAmerica St. Louis

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Track Shipments/FedEx Kinko's Orders

Detailed Results

Quick Help

Tracking number	790946610321	**Reference**	ALPHA
Signed for by	A.BUSON	**Destination**	Earth City, MO
Ship date	Feb 25, 2008	**Delivered to**	Shipping/Receiving
Delivery date	Feb 26, 2008 9:32 AM	**Service type**	Priority Overnight
		Weight	27.0 lbs.

Status Delivered

Signature image available Yes

Date/Time		Activity	Location	Details
Feb 26, 2008	9:32 AM	**Delivered**	Earth City, MO	
	7:29 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
	7:24 AM	At local FedEx facility	EARTH CITY, MO	
	7:04 AM	At dest sort facility	BERKELEY, MO	
	4:41 AM	Departed FedEx location	MEMPHIS, TN	
Feb 25, 2008	5:27 PM	Left origin	PASCO, WA	
	3:52 PM	Picked up	PASCO, WA	
	1:25 PM	Package data transmitted to FedEx		

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

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E-mail address	**Language**	**Exception updates**	**Delivery updates**
	English	☐	☐
	English	☐	☐
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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

- 2155 -

Lot #(s): ~~F8B260229~~ F8B260229

Condition Upon Receipt Form

Client: Fluor-Hanford COC/RFA No: below Date: 02.26.08
Quote No: 77929 Initiated By: Time: 0930

Shipping Information

Shipper Name: FedX
Multiple Packages (Y) N

Shipping # (s):*

1.	7909 4661 0321	6.	
2.	7918 5571 9433	7.	
3.		8.	
4.		9.	
5.		10.	

Sample Temperature (s):**

1.	2°	6.	
2.	3°	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?

SM 02.26.08

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

Notes: W08-012-48 77929
F08-031-110
116
115
109
121
122

Rec'd. 2xLG for BIRJ34 and one for BIRFK8.
Per Mike – proceed. What shall we do with ?

Corrective Action:
☐ Client Contact Name: Informed by:
☐ Sample(s) processed "as is"
☐ Sample(s) on hold until: If released, notify:
Project Management Review: Date: 02.27.08

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.

GC/MS
VOLATILES

Fluor Hanford Inc

Client Sample ID: B1R2B5

GC/MS Volatiles

Lot-Sample #...: F8B120244-001 **Work Order #...:** KG04V2AC **Matrix.....:** WATER
Date Sampled...: 02/11/08 **Date Received..:** 02/12/08
Prep Date.....: 02/14/08 **Analysis Date..:** 02/14/08
Prep Batch #...: 8049338
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	**1.7**	**1.0**	**ug/L**	**0.10**
Carbon disulfide	ND	1.0	ug/L	0.10
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.10
1,1,1-Trichloroethane	ND	1.0	ug/L	0.10
Carbon tetrachloride	ND	1.0	ug/L	0.10
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.10
Trichloroethene	ND	1.0	ug/L	0.10
4-Methyl-2-pentanone	ND	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	ND	1.0	ug/L	0.17
Tetrahydrofuran	ND	10	ug/L	1.2
Xylenes (total)	ND	3.0	ug/L	0.30
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.10

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	94	(70 - 119)
Dibromofluoromethane	108	(70 - 124)
1,2-Dichloroethane-d4	103	(63 - 133)
4-Bromofluorobenzene	92	(66 - 115)

Fluor Hanford Inc

B1R2B5

GC/MS Volatiles

Lot-Sample #: F8B120244-001 **Work Order #:** KG04V2AC **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: B1T3B7

GC/MS Volatiles

Lot-Sample #...: F8B200163-001 **Work Order #...:** KHCXH1AA **Matrix.....:** WATER
Date Sampled...: 02/17/08 **Date Received..:** 02/20/08
Prep Date.....: 02/26/08 **Analysis Date..:** 02/26/08
Prep Batch #...: 8060117
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	1.5
Acrolein	ND	10	ug/L	0.44
Bromodichloromethane	**0.18 J**	**1.0**	**ug/L**	**0.064**
Bromoform	ND	1.0	ug/L	0.12
Bromomethane	ND	2.0	ug/L	0.085
Chlorobenzene	ND	1.0	ug/L	0.10
Chloroprene	ND	1.0	ug/L	0.10
Dibromochloromethane	ND	1.0	ug/L	0.11
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.55
Chloroethane	ND	2.0	ug/L	0.10
Chloromethane	**3.6**	**2.0**	**ug/L**	**0.10**
Allyl chloride	ND	2.0	ug/L	0.047
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.12
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.43
Dichlorodifluoromethane	ND	2.0	ug/L	0.045
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.10
1,2-Dichloropropane	ND	1.0	ug/L	0.077
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.050
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.085
1,4-Dioxane	ND	20	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Ethyl methacrylate	ND	1.0	ug/L	0.66
Trichlorofluoromethane	ND	1.0	ug/L	0.10
2-Hexanone	ND	5.0	ug/L	1.0
Iodomethane	ND	2.0	ug/L	0.13
Isobutanol	ND	80	ug/L	29
Methacrylonitrile	ND	5.0	ug/L	0.30
Methyl methacrylate	ND	1.0	ug/L	0.84
Styrene	ND	1.0	ug/L	0.10
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.10
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.14
1,2,3-Trichloropropane	ND	1.0	ug/L	0.24
Vinyl acetate	ND	2.0	ug/L	0.72
Vinyl chloride	ND	2.0	ug/L	0.044

(Continued on next page)

Fluor Hanford Inc

Client Sample ID: B1T3B7

GC/MS Volatiles

Lot-Sample #...: F8B200163-001 **Work Order #...:** KHCXH1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	**0.12 J,B**	**1.0**	**ug/L**	**0.10**
Carbon disulfide	**0.34 J**	**1.0**	**ug/L**	**0.10**
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	**12**	**1.0**	**ug/L**	**0.10**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.10
1,1,1-Trichloroethane	ND	1.0	ug/L	0.10
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.10
Trichloroethene	**7.4**	**1.0**	**ug/L**	**0.10**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	ND	1.0	ug/L	0.17
Tetrahydrofuran	ND	10	ug/L	1.2
Xylenes (total)	ND	3.0	ug/L	0.30
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.10

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	93	(70 - 119)
Dibromofluoromethane	81	(70 - 124)
1,2-Dichloroethane-d4	109	(63 - 133)
4-Bromofluorobenzene	92	(66 - 115)

NOTE(S):

J Estimated result. Result is less than RL.

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

Fluor Hanford Inc

B1T3B7

GC/MS Volatiles

Lot-Sample #: F8B200163-001 **Work Order #:** KHCXH1AA **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: B1T3B7

GC/MS Volatiles

Lot-Sample #...: F8B200163-001 **Work Order #...:** KHCXH2AA **Matrix.....:** WATER
Date Sampled...: 02/17/08 **Date Received..:** 02/20/08
Prep Date.....: 02/26/08 **Analysis Date..:** 02/26/08
Prep Batch #...: 8060117
Dilution Factor: 100 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Carbon tetrachloride	**2000 D**	**100**	**ug/L**	**10**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	91	(70 - 119)
Dibromofluoromethane	102	(70 - 124)
1,2-Dichloroethane-d4	113	(63 - 133)
4-Bromofluorobenzene	95	(66 - 115)

NOTE(S):

D Result was obtained from the analysis of a dilution.

Fluor Hanford Inc

Client Sample ID: B1T3B8

GC/MS Volatiles

Lot-Sample #...: F8B200163-002 **Work Order #...:** KHCXP1AA **Matrix.....:** WATER
Date Sampled...: 02/17/08 **Date Received..:** 02/20/08
Prep Date.....: 02/26/08 **Analysis Date..:** 02/26/08
Prep Batch #...: 8060117
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	1.5
Acrolein	ND	10	ug/L	0.44
Bromodichloromethane	**0.19 J**	**1.0**	**ug/L**	**0.064**
Bromoform	ND	1.0	ug/L	0.12
Bromomethane	ND	2.0	ug/L	0.085
Chlorobenzene	ND	1.0	ug/L	0.10
Chloroprene	ND	1.0	ug/L	0.10
Dibromochloromethane	ND	1.0	ug/L	0.11
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.55
Chloroethane	ND	2.0	ug/L	0.10
Chloromethane	**3.5**	**2.0**	**ug/L**	**0.10**
Allyl chloride	ND	2.0	ug/L	0.047
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.12
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.43
Dichlorodifluoromethane	ND	2.0	ug/L	0.045
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.10
1,2-Dichloropropane	ND	1.0	ug/L	0.077
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.050
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.085
1,4-Dioxane	ND	20	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Ethyl methacrylate	ND	1.0	ug/L	0.66
Trichlorofluoromethane	ND	1.0	ug/L	0.10
2-Hexanone	ND	5.0	ug/L	1.0
Iodomethane	ND	2.0	ug/L	0.13
Isobutanol	ND	80	ug/L	29
Methacrylonitrile	ND	5.0	ug/L	0.30
Methyl methacrylate	ND	1.0	ug/L	0.84
Styrene	ND	1.0	ug/L	0.10
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.10
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.14
1,2,3-Trichloropropane	ND	1.0	ug/L	0.24
Vinyl acetate	ND	2.0	ug/L	0.72
Vinyl chloride	ND	2.0	ug/L	0.044

(Continued on next page)

Fluor Hanford Inc

Client Sample ID: B1T3B8

GC/MS Volatiles

Lot-Sample #...: F8B200163-002 **Work Order #...:** KHCXP1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	ND	1.0	ug/L	0.10
Carbon disulfide	ND	1.0	ug/L	0.10
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	**11**	**1.0**	**ug/L**	**0.10**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.10
1,1,1-Trichloroethane	ND	1.0	ug/L	0.10
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.10
Trichloroethene	**6.8**	**1.0**	**ug/L**	**0.10**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	ND	1.0	ug/L	0.17
Tetrahydrofuran	ND	10	ug/L	1.2
Xylenes (total)	ND	3.0	ug/L	0.30
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.10

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	93	(70 - 119)
Dibromofluoromethane	80	(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

B1T3B8

GC/MS Volatiles

Lot-Sample #: F8B200163-002 **Work Order #:** KHCXP1AA **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: B1T3B8

GC/MS Volatiles

Lot-Sample #...: F8B200163-002 **Work Order #...:** KHCXP2AA **Matrix.....:** WATER
Date Sampled...: 02/17/08 **Date Received..:** 02/20/08
Prep Date.....: 02/26/08 **Analysis Date..:** 02/26/08
Prep Batch #...: 8060117
Dilution Factor: 100 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Carbon tetrachloride	**2000 D**	**100**	**ug/L**	**10**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	92	(70 - 119)
Dibromofluoromethane	104	(70 - 124)
1,2-Dichloroethane-d4	112	(63 - 133)
4-Bromofluorobenzene	94	(66 - 115)

NOTE(S):

D Result was obtained from the analysis of a dilution.

Fluor Hanford Inc

Client Sample ID: B1R2B4

GC/MS Volatiles

Lot-Sample #...: F8B200166-001 **Work Order #...:** KHCX11AC **Matrix.....:** WATER
Date Sampled...: 02/17/08 **Date Received..:** 02/20/08
Prep Date.....: 02/26/08 **Analysis Date..:** 02/26/08
Prep Batch #...: 8060117
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	**0.91 J,B**	**1.0**	**ug/L**	**0.10**
Carbon disulfide	ND	1.0	ug/L	0.10
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.10
1,1,1-Trichloroethane	ND	1.0	ug/L	0.10
Carbon tetrachloride	ND	1.0	ug/L	0.10
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.10
Trichloroethene	ND	1.0	ug/L	0.10
4-Methyl-2-pentanone	ND	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	ND	1.0	ug/L	0.17
Tetrahydrofuran	ND	10	ug/L	1.2
Xylenes (total)	ND	3.0	ug/L	0.30
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.10

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	91	(70 - 119)
Dibromofluoromethane	101	(70 - 124)
1,2-Dichloroethane-d4	112	(63 - 133)
4-Bromofluorobenzene	97	(66 - 115)

NOTE(S):

J Estimated result. Result is less than RL.

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

Fluor Hanford Inc

B1R2B4

GC/MS Volatiles

Lot-Sample #: F8B200166-001 **Work Order #:** KHCX11AC **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 #...: SL727 **Work Order #...:** KG89A1AA **Matrix.....:** WATER
MB Lot-Sample #: F8B180000-338

Prep Date.....: 02/14/08
Analysis Date..: 02/14/08 **Prep Batch #...:** 8049338
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	104	(70 - 119)
Dibromofluoromethane	106	(70 - 124)
1,2-Dichloroethane-d4	103	(63 - 133)
4-Bromofluorobenzene	119 *	(66 - 115)

NOTE(S):

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

* Surrogate recovery is outside stated control limits.

Fluor Hanford Inc

Method Blank Report

GC/MS Volatiles

Lot-Sample #: F8B180000-338 B **Work Order #:** KG89A1AA **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 #...: SL727 **Work Order #...:** KHTKA1AA **Matrix.....:** WATER
MB Lot-Sample #: F8B290000-117

Prep Date.....: 02/26/08
Analysis Date..: 02/26/08 **Prep Batch #...:** 8060117
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
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
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
Vinyl chloride	ND	2.0	ug/L	SW846 8260B
Acetone	ND	2.0	ug/L	SW846 8260B
Methylene chloride	**0.13 J**	**1.0**	**ug/L**	**SW846 8260B**

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL727 **Work Order #...:** KHTKA1AA **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	92	(70 - 119)
Dibromofluoromethane	100	(70 - 124)
1,2-Dichloroethane-d4	113	(63 - 133)
4-Bromofluorobenzene	97	(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.

Fluor Hanford Inc

Method Blank Report

GC/MS Volatiles

Lot-Sample #: F8B290000-117 B **Work Order #:** KHTKA1AA **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 #...: SL727 **Work Order #...:** KG89A1AC **Matrix.....:** WATER
LCS Lot-Sample#: F8B180000-338
Prep Date.....: 02/14/08 **Analysis Date..:** 02/14/08
Prep Batch #...: 8049338
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	10.0	9.21	ug/L	92	SW846 8260B
Ethylbenzene	10.0	10.3	ug/L	103	SW846 8260B
1,4-Dioxane	200	134	ug/L	67	SW846 8260B
Vinyl chloride	10.0	9.88	ug/L	99	SW846 8260B
Acetone	10.0	11.5	ug/L	115	SW846 8260B
Methylene chloride	10.0	11.9	ug/L	119	SW846 8260B
Carbon disulfide	10.0	8.91	ug/L	89	SW846 8260B
1,1-Dichloroethane	10.0	10.0	ug/L	100	SW846 8260B
2-Butanone	10.0	12.0	ug/L	120	SW846 8260B
Chloroform	10.0	10.1	ug/L	101	SW846 8260B
cis-1,2-Dichloroethene	10.0	10.3	ug/L	103	SW846 8260B
Propionitrile	50.0	49.9	ug/L	100	SW846 8260B
trans-1,2-Dichloroethene	10.0	9.88	ug/L	99	SW846 8260B
1,1,1-Trichloroethane	10.0	10.2	ug/L	102	SW846 8260B
Carbon tetrachloride	10.0	9.65	ug/L	97	SW846 8260B
1,2-Dichloroethane	10.0	10.6	ug/L	106	SW846 8260B
Benzene	10.0	9.95	ug/L	99	SW846 8260B
Trichloroethene	10.0	9.65	ug/L	97	SW846 8260B
4-Methyl-2-pentanone	10.0	11.1	ug/L	111	SW846 8260B
1,1,2-Trichloroethane	10.0	10.3	ug/L	103	SW846 8260B
Tetrachloroethene	10.0	9.60	ug/L	96	SW846 8260B
Tetrahydrofuran	50.0	49.7	ug/L	99	SW846 8260B
1,4-Dichlorobenzene	10.0	9.70	ug/L	97	SW846 8260B
1-Butanol	100	63.4	ug/L	63	SW846 8260B
Toluene	10.0	10.3	ug/L	103	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(84 - 115)
Dibromofluoromethane	101	(81 - 115)
1,2-Dichloroethane-d4	100	(71 - 127)
4-Bromofluorobenzene	104	(74 - 117)

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL727 **Work Order #...:** KG89A1AC **Matrix.....:** WATER
LCS Lot-Sample#: F8B180000-338

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL727 Work Order #...: KHTKA1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F8B290000-117 KHTKA1AD-LCSD
Prep Date.....: 02/26/08 Analysis Date..: 02/26/08
Prep Batch #...: 8060117
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Dibromochloromethane	10.0	9.34	ug/L	93		SW846 8260B
	10.0	9.82	ug/L	98	4.9	SW846 8260B
Chloromethane	10.0	11.2	ug/L	112		SW846 8260B
	10.0	10.3	ug/L	103	8.1	SW846 8260B
Bromomethane	10.0	14.1 a	ug/L	141		SW846 8260B
	10.0	13.0	ug/L	130	7.8	SW846 8260B
cis-1,3-Dichloropropene	10.0	10.7	ug/L	107		SW846 8260B
	10.0	11.2	ug/L	112	4.6	SW846 8260B
Chloroethane	10.0	11.8	ug/L	118		SW846 8260B
	10.0	10.8	ug/L	108	8.7	SW846 8260B
1,1-Dichloroethene	10.0	8.87	ug/L	89		SW846 8260B
	10.0	9.08	ug/L	91	2.3	SW846 8260B
1,2-Dichloroethene (total)	20.0	17.4	ug/L	87		SW846 8260B
	20.0	17.8	ug/L	89	2.1	SW846 8260B
1,2-Dichloropropane	10.0	10.6	ug/L	106		SW846 8260B
	10.0	10.8	ug/L	108	2.1	SW846 8260B
Bromodichloromethane	10.0	10.4	ug/L	104		SW846 8260B
	10.0	11.0	ug/L	110	5.5	SW846 8260B
trans-1,3-Dichloropropene	10.0	10.7	ug/L	107		SW846 8260B
	10.0	11.0	ug/L	110	2.4	SW846 8260B
2-Hexanone	10.0	8.41	ug/L	84		SW846 8260B
	10.0	9.02	ug/L	90	7.0	SW846 8260B
Chlorobenzene	10.0	9.41	ug/L	94		SW846 8260B
	10.0	9.98	ug/L	100	5.8	SW846 8260B
Bromoform	10.0	9.48	ug/L	95		SW846 8260B
	10.0	9.89	ug/L	99	4.2	SW846 8260B
Ethylbenzene	10.0	9.87	ug/L	99		SW846 8260B
	10.0	10.1	ug/L	101	2.3	SW846 8260B
Styrene	10.0	9.95	ug/L	99		SW846 8260B
	10.0	10.4	ug/L	104	4.4	SW846 8260B
1,1,2,2-Tetrachloroethane	10.0	10.1	ug/L	101		SW846 8260B
	10.0	11.2	ug/L	112	9.6	SW846 8260B
Allyl chloride	10.0	12.9	ug/L	129		SW846 8260B
	10.0	13.3	ug/L	133	2.6	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	10.0	9.04	ug/L	90		SW846 8260B
	10.0	11.2 p	ug/L	112	21	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL727 **Work Order #...:** KHTKA1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F8B290000-117 KHTKA1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,2-Dibromoethane	10.0	8.72	ug/L	87		SW846 8260B
	10.0	9.57	ug/L	96	9.4	SW846 8260B
trans-1,4-Dichloro-2-butene	10.0	9.64	ug/L	96		SW846 8260B
	10.0	10.8	ug/L	108	11	SW846 8260B
Dichlorodifluoromethane (Freon 12)	10.0	9.98	ug/L	100		SW846 8260B
	10.0	8.66	ug/L	87	14	SW846 8260B
Ethyl methacrylate	10.0	7.81	ug/L	78		SW846 8260B
	10.0	8.73	ug/L	87	11	SW846 8260B
Methyl methacrylate	10.0	7.82	ug/L	78		SW846 8260B
	10.0	8.34	ug/L	83	6.5	SW846 8260B
1,1,1,2-Tetrachloroethane	10.0	9.32	ug/L	93		SW846 8260B
	10.0	10.1	ug/L	101	8.2	SW846 8260B
Trichlorofluoromethane	10.0	10.3	ug/L	103		SW846 8260B
	10.0	9.76	ug/L	98	5.6	SW846 8260B
Acetonitrile	50.0	43.8	ug/L	88		SW846 8260B
	50.0	49.0	ug/L	98	11	SW846 8260B
Iodomethane	10.0	11.0	ug/L	110		SW846 8260B
	10.0	11.4	ug/L	114	3.8	SW846 8260B
Vinyl acetate	10.0	10.1	ug/L	101		SW846 8260B
	10.0	10.9	ug/L	109	7.6	SW846 8260B
Acrolein	50.0	38.6	ug/L	77		SW846 8260B
	50.0	49.5 p	ug/L	99	25	SW846 8260B
Isobutanol	200	214	ug/L	107		SW846 8260B
	200	199	ug/L	99	7.6	SW846 8260B
Methacrylonitrile	50.0	50.7	ug/L	101		SW846 8260B
	50.0	53.6	ug/L	107	5.5	SW846 8260B
1,4-Dioxane	200	198	ug/L	99		SW846 8260B
	200	204	ug/L	102	3.0	SW846 8260B
Chloroprene	10.0	10.6	ug/L	106		SW846 8260B
	10.0	10.8	ug/L	108	1.1	SW846 8260B
Vinyl chloride	10.0	12.2	ug/L	122		SW846 8260B
	10.0	10.9	ug/L	109	11	SW846 8260B
Acetone	10.0	9.32	ug/L	93		SW846 8260B
	10.0	8.33	ug/L	83	11	SW846 8260B
Methylene chloride	10.0	9.24	ug/L	92		SW846 8260B
	10.0	9.72	ug/L	97	5.0	SW846 8260B
Carbon disulfide	10.0	9.71	ug/L	97		SW846 8260B
	10.0	9.48	ug/L	95	2.4	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL727 **Work Order #...:** KHTKA1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F8B290000-117 KHTKA1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethane	10.0	10.6	ug/L	106		SW846 8260B
	10.0	10.9	ug/L	109	2.4	SW846 8260B
2-Butanone	10.0	9.86	ug/L	99		SW846 8260B
	10.0	10.2	ug/L	102	3.5	SW846 8260B
Chloroform	10.0	10.5	ug/L	105		SW846 8260B
	10.0	10.5	ug/L	105	0.38	SW846 8260B
cis-1,2-Dichloroethene	10.0	8.52	ug/L	85		SW846 8260B
	10.0	8.81	ug/L	88	3.4	SW846 8260B
Propionitrile	50.0	46.0	ug/L	92		SW846 8260B
	50.0	53.3	ug/L	107	15	SW846 8260B
trans-1,2-Dichloroethene	10.0	8.90	ug/L	89		SW846 8260B
	10.0	8.98	ug/L	90	0.90	SW846 8260B
1,1,1-Trichloroethane	10.0	10.1	ug/L	101		SW846 8260B
	10.0	10.3	ug/L	103	1.5	SW846 8260B
Carbon tetrachloride	10.0	10.6	ug/L	106		SW846 8260B
	10.0	10.9	ug/L	109	2.4	SW846 8260B
1,2-Dichloroethane	10.0	10.5	ug/L	105		SW846 8260B
	10.0	11.2	ug/L	112	7.0	SW846 8260B
Benzene	10.0	10.1	ug/L	101		SW846 8260B
	10.0	10.3	ug/L	103	1.8	SW846 8260B
Trichloroethene	10.0	9.43	ug/L	94		SW846 8260B
	10.0	9.24	ug/L	92	2.1	SW846 8260B
4-Methyl-2-pentanone	10.0	8.49	ug/L	85		SW846 8260B
	10.0	9.92	ug/L	99	15	SW846 8260B
1,1,2-Trichloroethane	10.0	9.09	ug/L	91		SW846 8260B
	10.0	9.90	ug/L	99	8.5	SW846 8260B
Tetrachloroethene	10.0	8.90	ug/L	89		SW846 8260B
	10.0	9.21	ug/L	92	3.4	SW846 8260B
Tetrahydrofuran	50.0	44.3	ug/L	89		SW846 8260B
	50.0	51.7	ug/L	103	16	SW846 8260B
1,4-Dichlorobenzene	10.0	9.70	ug/L	97		SW846 8260B
	10.0	10.2	ug/L	102	4.9	SW846 8260B
1-Butanol	100	78.7	ug/L	79		SW846 8260B
	100	84.6	ug/L	85	7.3	SW846 8260B
Toluene	10.0	9.70	ug/L	97		SW846 8260B
	10.0	10.1	ug/L	101	4.2	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	99	(84 - 115)
	101	(84 - 115)
Dibromofluoromethane	103	(81 - 115)
	101	(81 - 115)
1,2-Dichloroethane-d4	109	(71 - 127)
	112	(71 - 127)

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL727 **Work Order #...:** KHTKA1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F8B290000-117 KHTKA1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	94	(74 - 117)
	97	(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.

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL727 **Work Order #...:** KG1P71AE-MS **Matrix.....:** WATER
MS Lot-Sample #: F8B130118-001 KG1P71AF-MSD
Date Sampled...: 02/11/08 **Date Received..:** 02/12/08
Prep Date.....: 02/14/08 **Analysis Date..:** 02/14/08
Prep Batch #...: 8049338
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	ND	10.0	8.47	ug/L	85		SW846 8260B
	ND	10.0	8.54	ug/L	85	0.84	SW846 8260B
Ethylbenzene	ND	10.0	8.50	ug/L	85		SW846 8260B
	ND	10.0	8.77	ug/L	88	3.2	SW846 8260B
1,4-Dioxane	ND	200	161	ug/L	80		SW846 8260B
	ND	200	153	ug/L	77	4.9	SW846 8260B
Vinyl chloride	ND	10.0	8.05	ug/L	81		SW846 8260B
	ND	10.0	7.87	ug/L	79	2.2	SW846 8260B
Acetone	ND	10.0	8.71	ug/L	87		SW846 8260B
	ND	10.0	8.51	ug/L	85	2.4	SW846 8260B
Methylene chloride	ND	10.0	7.82	ug/L	78		SW846 8260B
	ND	10.0	7.97	ug/L	80	2.0	SW846 8260B
Carbon disulfide	ND	10.0	7.16	ug/L	72		SW846 8260B
	ND	10.0	7.36	ug/L	74	2.7	SW846 8260B
1,1-Dichloroethane	ND	10.0	8.26	ug/L	83		SW846 8260B
	ND	10.0	8.39	ug/L	84	1.5	SW846 8260B
2-Butanone	ND	10.0	7.38	ug/L	74		SW846 8260B
	ND	10.0	5.64	ug/L	56 p	27	SW846 8260B
Chloroform	ND	10.0	9.08	ug/L	91		SW846 8260B
	ND	10.0	9.31	ug/L	93	2.6	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	8.90	ug/L	89		SW846 8260B
	ND	10.0	9.25	ug/L	92	3.8	SW846 8260B
Propionitrile	ND	50.0	42.5	ug/L	85		SW846 8260B
	ND	50.0	43.8	ug/L	88	2.9	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	8.60	ug/L	86		SW846 8260B
	ND	10.0	8.91	ug/L	89	3.5	SW846 8260B
1,1,1-Trichloroethane	ND	10.0	9.07	ug/L	91		SW846 8260B
	ND	10.0	9.33	ug/L	93	2.8	SW846 8260B
Carbon tetrachloride	ND	10.0	8.82	ug/L	88		SW846 8260B
	ND	10.0	9.21	ug/L	92	4.4	SW846 8260B
1,2-Dichloroethane	ND	10.0	9.21	ug/L	92		SW846 8260B
	ND	10.0	9.17	ug/L	92	0.46	SW846 8260B
Benzene	ND	10.0	8.53	ug/L	85		SW846 8260B
	ND	10.0	8.53	ug/L	85	0.01	SW846 8260B
Trichloroethene	ND	10.0	8.48	ug/L	85		SW846 8260B
	ND	10.0	8.64	ug/L	86	1.8	SW846 8260B
4-Methyl-2-pentanone	ND	10.0	8.83	ug/L	88		SW846 8260B
	ND	10.0	8.49	ug/L	85	4.0	SW846 8260B
1,1,2-Trichloroethane	ND	10.0	8.06	ug/L	81		SW846 8260B
	ND	10.0	8.35	ug/L	83	3.6	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL727 **Work Order #...:** KG1P71AE-MS **Matrix.....:** WATER
MS Lot-Sample #: F8B130118-001 KG1P71AF-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Tetrachloroethene	**ND**	**10.0**	**8.16**	**ug/L**	**82**		**SW846 8260B**
	ND	**10.0**	**8.54**	**ug/L**	**85**	**4.6**	**SW846 8260B**
Tetrahydrofuran	**ND**	**50.0**	**36.7**	**ug/L**	**73**		**SW846 8260B**
	ND	**50.0**	**34.6**	**ug/L**	**69**	**5.9**	**SW846 8260B**
1,4-Dichlorobenzene	**ND**	**10.0**	**9.04**	**ug/L**	**90**		**SW846 8260B**
	ND	**10.0**	**8.85**	**ug/L**	**89**	**2.1**	**SW846 8260B**
1-Butanol	**ND**	**100**	**54.8**	**ug/L**	**55**		**SW846 8260B**
	ND	**100**	**35.3**	**ug/L**	**35 p**	**43**	**SW846 8260B**
Toluene	**ND**	**10.0**	**8.21**	**ug/L**	**82**		**SW846 8260B**
	ND	**10.0**	**8.49**	**ug/L**	**85**	**3.4**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	95	(70 - 119)
	95	(70 - 119)
Dibromofluoromethane	103	(70 - 124)
	107	(70 - 124)
1,2-Dichloroethane-d4	106	(63 - 133)
	99	(63 - 133)
4-Bromofluorobenzene	91	(66 - 115)
	90	(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 #...: SL727 **Work Order #...:** KHCX11AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F8B200166-001 KHCX11AE-MSD
Date Sampled...: 02/17/08 **Date Received..:** 02/20/08
Prep Date.....: 02/26/08 **Analysis Date..:** 02/26/08
Prep Batch #...: 8060117
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
cis-1,3-Dichloropropene		10.0	9.90	ug/L	99		SW846 8260B
		10.0	9.63	ug/L	96	2.8	SW846 8260B
Chloromethane		10.0	9.11	ug/L	91		SW846 8260B
		10.0	9.59	ug/L	96	5.2	SW846 8260B
Bromomethane		10.0	12.0	ug/L	120		SW846 8260B
		10.0	13.1	ug/L	131	8.5	SW846 8260B
Chloroethane		10.0	11.3	ug/L	113		SW846 8260B
		10.0	11.1	ug/L	111	1.4	SW846 8260B
1,1-Dichloroethene	ND	10.0	8.13	ug/L	81		SW846 8260B
	ND	10.0	8.10	ug/L	81	0.41	SW846 8260B
1,2-Dichloroethene (total)		20.0	17.6	ug/L	88		SW846 8260B
		20.0	16.7	ug/L	84	4.8	SW846 8260B
1,2-Dichloropropane		10.0	11.0	ug/L	110		SW846 8260B
		10.0	10.8	ug/L	108	2.2	SW846 8260B
Bromodichloromethane		10.0	11.1	ug/L	111		SW846 8260B
		10.0	10.7	ug/L	107	3.7	SW846 8260B
trans-1,3-Dichloropropene		10.0	9.07	ug/L	91		SW846 8260B
		10.0	8.79	ug/L	88	3.2	SW846 8260B
2-Hexanone		10.0	7.72	ug/L	77		SW846 8260B
		10.0	7.38	ug/L	74	4.5	SW846 8260B
Chlorobenzene		10.0	8.80	ug/L	88		SW846 8260B
		10.0	8.56	ug/L	86	2.8	SW846 8260B
Bromoform		10.0	8.78	ug/L	88		SW846 8260B
		10.0	8.42	ug/L	84	4.2	SW846 8260B
Ethylbenzene	ND	10.0	9.06	ug/L	91		SW846 8260B
	ND	10.0	8.69	ug/L	87	4.1	SW846 8260B
Styrene		10.0	9.12	ug/L	91		SW846 8260B
		10.0	8.78	ug/L	88	3.8	SW846 8260B
1,1,2,2-Tetrachloroethane		10.0	9.67	ug/L	97		SW846 8260B
		10.0	9.30	ug/L	93	3.8	SW846 8260B
Dibromochloromethane		10.0	8.96	ug/L	90		SW846 8260B
		10.0	8.63	ug/L	86	3.8	SW846 8260B
Allyl chloride		10.0	11.9	ug/L	119		SW846 8260B
		10.0	11.8	ug/L	118	0.76	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)		10.0	9.21	ug/L	92		SW846 8260B
		10.0	8.50	ug/L	85	8.0	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL727 **Work Order #...:** KHCX11AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F8B200166-001 KHCX11AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,2-Dibromoethane		10.0	8.45	ug/L	85		SW846 8260B
		10.0	8.22	ug/L	82	2.8	SW846 8260B
trans-1,4-Dichloro-2-butene		10.0	7.18	ug/L	72		SW846 8260B
		10.0	7.62	ug/L	76	5.8	SW846 8260B
Dichlorodifluoromethane (Freon 12)		10.0	7.28	ug/L	73		SW846 8260B
		10.0	7.33	ug/L	73	0.65	SW846 8260B
Ethyl methacrylate		10.0	8.08	ug/L	81		SW846 8260B
		10.0	7.92	ug/L	79	2.0	SW846 8260B
Methyl methacrylate		10.0	8.40	ug/L	84		SW846 8260B
		10.0	8.20	ug/L	82	2.3	SW846 8260B
1,1,1,2-Tetrachloroethane		10.0	8.79	ug/L	88		SW846 8260B
		10.0	8.44	ug/L	84	4.1	SW846 8260B
Trichlorofluoromethane		10.0	9.11	ug/L	91		SW846 8260B
		10.0	9.03	ug/L	90	0.90	SW846 8260B
Acetonitrile		50.0	41.9	ug/L	84		SW846 8260B
		50.0	45.0	ug/L	90	7.2	SW846 8260B
Iodomethane		10.0	11.8	ug/L	118		SW846 8260B
		10.0	12.3	ug/L	123	3.5	SW846 8260B
Vinyl acetate		10.0	5.92	ug/L	59		SW846 8260B
		10.0	5.99	ug/L	60	1.1	SW846 8260B
Acrolein		50.0	41.2	ug/L	82		SW846 8260B
		50.0	36.5	ug/L	73	12	SW846 8260B
Isobutanol		200	206	ug/L	103		SW846 8260B
		200	192	ug/L	96	6.6	SW846 8260B
Methacrylonitrile		50.0	55.1	ug/L	110		SW846 8260B
		50.0	54.0	ug/L	108	1.9	SW846 8260B
1,4-Dioxane	ND	200	144	ug/L	72		SW846 8260B
	ND	200	195	ug/L	97 p	30	SW846 8260B
Chloroprene		10.0	10.7	ug/L	107		SW846 8260B
		10.0	10.4	ug/L	104	3.0	SW846 8260B
Vinyl chloride	ND	10.0	9.84	ug/L	98		SW846 8260B
	ND	10.0	10.1	ug/L	101	2.6	SW846 8260B
Acetone	ND	10.0	7.17	ug/L	72		SW846 8260B
	ND	10.0	7.23	ug/L	72	0.84	SW846 8260B
Methylene chloride	0.91	10.0	11.1	ug/L	102		SW846 8260B
	0.91	10.0	11.3	ug/L	104	1.3	SW846 8260B
Carbon disulfide	ND	10.0	8.04	ug/L	80		SW846 8260B
	ND	10.0	8.01	ug/L	80	0.32	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL727 **Work Order #...:** KHCX11AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F8B200166-001 KHCX11AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethane	ND	10.0	10.8	ug/L	108		SW846 8260B
	ND	10.0	10.4	ug/L	104	4.0	SW846 8260B
2-Butanone	ND	10.0	8.94	ug/L	89		SW846 8260B
	ND	10.0	8.94	ug/L	89	0.03	SW846 8260B
Chloroform	ND	10.0	10.6	ug/L	106		SW846 8260B
	ND	10.0	10.4	ug/L	104	2.4	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	8.86	ug/L	89		SW846 8260B
	ND	10.0	8.35	ug/L	83	6.0	SW846 8260B
Propionitrile	ND	50.0	48.5	ug/L	97		SW846 8260B
	ND	50.0	49.6	ug/L	99	2.4	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	8.68	ug/L	87		SW846 8260B
	ND	10.0	8.37	ug/L	84	3.6	SW846 8260B
1,1,1-Trichloroethane	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	9.93	ug/L	99	4.8	SW846 8260B
Carbon tetrachloride	ND	10.0	10.7	ug/L	107		SW846 8260B
	ND	10.0	10.1	ug/L	101	5.0	SW846 8260B
1,2-Dichloroethane	ND	10.0	11.0	ug/L	110		SW846 8260B
	ND	10.0	10.3	ug/L	103	6.4	SW846 8260B
Benzene	ND	10.0	10.5	ug/L	105		SW846 8260B
	ND	10.0	10.0	ug/L	100	4.5	SW846 8260B
Trichloroethene	ND	10.0	9.28	ug/L	93		SW846 8260B
	ND	10.0	9.08	ug/L	91	2.3	SW846 8260B
4-Methyl-2-pentanone	ND	10.0	8.34	ug/L	83		SW846 8260B
	ND	10.0	7.48	ug/L	75	11	SW846 8260B
1,1,2-Trichloroethane	ND	10.0	8.74	ug/L	87		SW846 8260B
	ND	10.0	8.78	ug/L	88	0.54	SW846 8260B
Tetrachloroethene	ND	10.0	7.55	ug/L	75		SW846 8260B
	ND	10.0	7.36	ug/L	74	2.5	SW846 8260B
Tetrahydrofuran	ND	50.0	47.8	ug/L	96		SW846 8260B
	ND	50.0	47.3	ug/L	95	1.1	SW846 8260B
1,4-Dichlorobenzene	ND	10.0	8.34	ug/L	83		SW846 8260B
	ND	10.0	8.23	ug/L	82	1.3	SW846 8260B
1-Butanol	ND	100	87.2	ug/L	87		SW846 8260B
	ND	100	78.5	ug/L	79	10	SW846 8260B
Toluene	ND	10.0	9.02	ug/L	90		SW846 8260B
	ND	10.0	8.56	ug/L	86	5.2	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	91	(70 - 119)
	90	(70 - 119)

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL727 **Work Order #...:** KHCX11AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F8B200166-001 KHCX11AE-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(70 - 124)
	102	(70 - 124)
1,2-Dichloroethane-d4	107	(63 - 133)
	107	(63 - 133)
4-Bromofluorobenzene	93	(66 - 115)
	93	(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.

PHENOL BY GC

Fluor Hanford Inc

Client Sample ID: B1RFK8

GC Semivolatiles

Lot-Sample #...: F8B120248-002 **Work Order #...:** KG05A1AC **Matrix.....:** WATER
Date Sampled...: 02/10/08 **Date Received..:** 02/12/08
Prep Date.....: 02/14/08 **Analysis Date..:** 02/25/08
Prep Batch #...: 8045177
Dilution Factor: 1 **Method.....:** SW846 8040A

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	97	(44 - 110)
2-Fluorophenol	81	(37 - 96)

Fluor Hanford Inc

Client Sample ID: B1RJ85

GC Semivolatiles

Lot-Sample #...: F8B130132-001 **Work Order #...:** KG1VE1AC **Matrix.....:** WATER
Date Sampled...: 02/11/08 **Date Received..:** 02/13/08
Prep Date.....: 02/14/08 **Analysis Date..:** 02/26/08
Prep Batch #...: 8045177
Dilution Factor: 1 **Method.....:** SW846 8040A

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	100	(44 - 110)
2-Fluorophenol	80	(37 - 96)

Fluor Hanford Inc

Client Sample ID: B1RJ22

GC Semivolatiles

Lot-Sample #...: F8B130132-002 **Work Order #...:** KG1VN1AC **Matrix.....:** WATER
Date Sampled...: 02/11/08 **Date Received..:** 02/13/08
Prep Date.....: 02/14/08 **Analysis Date..:** 02/26/08
Prep Batch #...: 8045177
Dilution Factor: 1 **Method.....:** SW846 8040A

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	95	(44 - 110)
2-Fluorophenol	83	(37 - 96)

Fluor Hanford Inc

Client Sample ID: B1RHF8

GC Semivolatiles

Lot-Sample #...: F8B160122-001 **Work Order #...:** KG7RA1AC **Matrix.....:** WATER
Date Sampled...: 02/14/08 **Date Received..:** 02/16/08
Prep Date.....: 02/19/08 **Analysis Date..:** 02/25/08
Prep Batch #...: 8050137
Dilution Factor: 1 **Method.....:** SW846 8040A

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	80	(44 - 110)
2-Fluorophenol	77	(37 - 96)

Fluor Hanford Inc

Client Sample ID: B1RHD7

GC Semivolatiles

Lot-Sample #...: F8B160122-002 **Work Order #...:** KG7RC1AC **Matrix.....:** WATER
Date Sampled...: 02/14/08 **Date Received..:** 02/16/08
Prep Date.....: 02/19/08 **Analysis Date..:** 02/25/08
Prep Batch #...: 8050137
Dilution Factor: 1 **Method.....:** SW846 8040A

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	88	(44 - 110)
2-Fluorophenol	73	(37 - 96)

Fluor Hanford Inc

Client Sample ID: B1RFR6

GC Semivolatiles

Lot-Sample #...: F8B160122-004 **Work Order #...:** KG7RH1AC **Matrix.....:** WATER
Date Sampled...: 02/14/08 **Date Received..:** 02/16/08
Prep Date.....: 02/19/08 **Analysis Date..:** 02/25/08
Prep Batch #...: 8050137
Dilution Factor: 1 **Method.....:** SW846 8040A

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	84	(44 - 110)
2-Fluorophenol	76	(37 - 96)

Fluor Hanford Inc

Client Sample ID: B1RFR2

GC Semivolatiles

Lot-Sample #...: F8B160122-006 **Work Order #...:** KG7RM1AC **Matrix.....:** WATER
Date Sampled...: 02/14/08 **Date Received..:** 02/16/08
Prep Date.....: 02/19/08 **Analysis Date..:** 02/25/08
Prep Batch #...: 8050137
Dilution Factor: 1 **Method.....:** SW846 8040A

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	85	(44 - 110)
2-Fluorophenol	75	(37 - 96)

Fluor Hanford Inc

Client Sample ID: B1RJ34

GC Semivolatiles

Lot-Sample #...: F8B260229-001 **Work Order #...:** KHMNJ1AC **Matrix.....:** WATER
Date Sampled...: 02/22/08 **Date Received..:** 02/26/08
Prep Date.....: 02/28/08 **Analysis Date..:** 03/05/08
Prep Batch #...: 8059147
Dilution Factor: 1 **Method.....:** SW846 8040A

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	79	(44 - 110)
2-Fluorophenol	75	(37 - 96)

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: SL727 **Work Order #...:** KG34T1AA **Matrix.....:** WATER
MB Lot-Sample #: F8B140000-177

Prep Date.....: 02/14/08
Analysis Date..: 02/25/08 **Prep Batch #...:** 8045177
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	84	(44 - 110)
2-Fluorophenol	80	(37 - 96)

NOTE(S):

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: SL727 **Work Order #...:** KG9X01AA **Matrix.....:** WATER
MB Lot-Sample #: F8B190000-137

Prep Date.....: 02/19/08
Analysis Date..: 02/25/08 **Prep Batch #...:** 8050137
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	74	(44 - 110)
2-Fluorophenol	72	(37 - 96)

NOTE(S):

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: SL727 **Work Order #...:** KHTCD1AA **Matrix.....:** WATER
MB Lot-Sample #: F8B280000-147

Prep Date.....: 02/28/08
Analysis Date..: 03/05/08 **Prep Batch #...:** 8059147
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	83	(44 - 110)
2-Fluorophenol	79	(37 - 96)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL727 **Work Order #...:** KG34T1AC **Matrix.....:** WATER
LCS Lot-Sample#: F8B140000-177
Prep Date.....: 02/14/08 **Analysis Date..:** 02/25/08
Prep Batch #...: 8045177
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2-Chlorophenol	**100**	**94.2**	**ug/L**	**94**	**SW846 8040A**
4-Chloro-3-methylphenol	**100**	**95.9**	**ug/L**	**96**	**SW846 8040A**
3-Methylphenol & 4-Methylphenol	**100**	**96.4**	**ug/L**	**96**	**SW846 8040A**
2-Methylphenol	**100**	**94.8**	**ug/L**	**95**	**SW846 8040A**
2,4-Dichlorophenol	**100**	**92.5**	**ug/L**	**92**	**SW846 8040A**
2,6-Dichlorophenol	**100**	**94.6**	**ug/L**	**95**	**SW846 8040A**
2,4-Dimethylphenol	**100**	**94.5**	**ug/L**	**95**	**SW846 8040A**
2,4-Dinitrophenol	**100**	**94.5**	**ug/L**	**95**	**SW846 8040A**
4,6-Dinitro-2-methylphenol	**100**	**87.9**	**ug/L**	**88**	**SW846 8040A**
Dinoseb	**100**	**95.8**	**ug/L**	**96**	**SW846 8040A**
2-Nitrophenol	**100**	**90.6**	**ug/L**	**91**	**SW846 8040A**
4-Nitrophenol	**100**	**95.4**	**ug/L**	**95**	**SW846 8040A**
Pentachlorophenol	**100**	**93.3**	**ug/L**	**93**	**SW846 8040A**
Phenol	**100**	**94.5**	**ug/L**	**94**	**SW846 8040A**
2,3,4,6-Tetrachlorophenol	**100**	**74.0**	**ug/L**	**74**	**SW846 8040A**
2,4,5-Trichlorophenol	**100**	**94.3**	**ug/L**	**94**	**SW846 8040A**
2,4,6-Trichlorophenol	**100**	**94.4**	**ug/L**	**94**	**SW846 8040A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	94	(50 - 107)
2-Fluorophenol	86	(50 - 91)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL727 **Work Order #...:** KG9X01AC **Matrix.....:** WATER
LCS Lot-Sample#: F8B190000-137
Prep Date.....: 02/19/08 **Analysis Date..:** 02/25/08
Prep Batch #...: 8050137
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2-Chlorophenol	**100**	**94.7**	**ug/L**	**95**	**SW846 8040A**
4-Chloro-3-methylphenol	**100**	**97.5**	**ug/L**	**98**	**SW846 8040A**
3-Methylphenol & 4-Methylphenol	**100**	**96.9**	**ug/L**	**97**	**SW846 8040A**
2-Methylphenol	**100**	**96.4**	**ug/L**	**96**	**SW846 8040A**
2,4-Dichlorophenol	**100**	**95.8**	**ug/L**	**96**	**SW846 8040A**
2,6-Dichlorophenol	**100**	**98.2**	**ug/L**	**98**	**SW846 8040A**
2,4-Dimethylphenol	**100**	**96.0**	**ug/L**	**96**	**SW846 8040A**
2,4-Dinitrophenol	**100**	**100**	**ug/L**	**100**	**SW846 8040A**
4,6-Dinitro-2-methylphenol	**100**	**102**	**ug/L**	**102**	**SW846 8040A**
Dinoseb	**100**	**110**	**ug/L**	**110**	**SW846 8040A**
2-Nitrophenol	**100**	**103**	**ug/L**	**103**	**SW846 8040A**
4-Nitrophenol	**100**	**104**	**ug/L**	**104**	**SW846 8040A**
Pentachlorophenol	**100**	**99.6**	**ug/L**	**100**	**SW846 8040A**
Phenol	**100**	**94.1**	**ug/L**	**94**	**SW846 8040A**
2,3,4,6-Tetrachlorophenol	**100**	**103**	**ug/L**	**103**	**SW846 8040A**
2,4,5-Trichloro-phenol	**100**	**98.9**	**ug/L**	**99**	**SW846 8040A**
2,4,6-Trichloro-phenol	**100**	**99.1**	**ug/L**	**99**	**SW846 8040A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	100	(50 - 107)
2-Fluorophenol	82	(50 - 91)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL727 **Work Order #...:** KHTCD1AC **Matrix.....:** WATER
LCS Lot-Sample#: F8B280000-147
Prep Date.....: 02/28/08 **Analysis Date..:** 03/05/08
Prep Batch #...: 8059147
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2-Chlorophenol	**100**	**81.1**	**ug/L**	**81**	**SW846 8040A**
4-Chloro-3-methylphenol	**100**	**85.4**	**ug/L**	**85**	**SW846 8040A**
3-Methylphenol & 4-Methylphenol	**100**	**83.0**	**ug/L**	**83**	**SW846 8040A**
2-Methylphenol	**100**	**81.9**	**ug/L**	**82**	**SW846 8040A**
2,4-Dichlorophenol	**100**	**82.3**	**ug/L**	**82**	**SW846 8040A**
2,6-Dichlorophenol	**100**	**84.0**	**ug/L**	**84**	**SW846 8040A**
2,4-Dimethylphenol	**100**	**81.4**	**ug/L**	**81**	**SW846 8040A**
2,4-Dinitrophenol	**100**	**86.9**	**ug/L**	**87**	**SW846 8040A**
4,6-Dinitro-2-methylphenol	**100**	**83.7**	**ug/L**	**84**	**SW846 8040A**
Dinoseb	**100**	**89.6**	**ug/L**	**90**	**SW846 8040A**
2-Nitrophenol	**100**	**85.6**	**ug/L**	**86**	**SW846 8040A**
4-Nitrophenol	**100**	**86.8**	**ug/L**	**87**	**SW846 8040A**
Pentachlorophenol	**100**	**84.1**	**ug/L**	**84**	**SW846 8040A**
Phenol	**100**	**81.5**	**ug/L**	**81**	**SW846 8040A**
2,3,4,6-Tetrachlorophenol	**100**	**85.0**	**ug/L**	**85**	**SW846 8040A**
2,4,5-Trichloro-phenol	**100**	**85.8**	**ug/L**	**86**	**SW846 8040A**
2,4,6-Trichloro-phenol	**100**	**85.9**	**ug/L**	**86**	**SW846 8040A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	82	(50 - 107)
2-Fluorophenol	72	(50 - 91)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL727 **Work Order #...:** KG05A1AE-MS **Matrix.....:** WATER
MS Lot-Sample #: F8B120248-002 KG05A1AF-MSD
Date Sampled...: 02/10/08 **Date Received..:** 02/12/08
Prep Date.....: 02/14/08 **Analysis Date..:** 02/25/08
Prep Batch #...: 8045177
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2-Chlorophenol	ND	95.0	88.2	ug/L	93		SW846 8040A
	ND	94.9	92.3	ug/L	97	4.6	SW846 8040A
4-Chloro-3-methylphenol	ND	95.0	92.5	ug/L	97		SW846 8040A
	ND	94.9	91.9	ug/L	97	0.70	SW846 8040A
3-Methylphenol & 4-Methylphenol	ND	95.0	89.5	ug/L	94		SW846 8040A
	ND	94.9	92.4	ug/L	97	3.2	SW846 8040A
2-Methylphenol	ND	95.0	88.8	ug/L	93		SW846 8040A
	ND	94.9	91.8	ug/L	97	3.4	SW846 8040A
2,4-Dichlorophenol	ND	95.0	88.8	ug/L	93		SW846 8040A
	ND	94.9	90.3	ug/L	95	1.6	SW846 8040A
2,6-Dichlorophenol	ND	95.0	91.2	ug/L	96		SW846 8040A
	ND	94.9	92.8	ug/L	98	1.8	SW846 8040A
2,4-Dimethylphenol	ND	95.0	89.2	ug/L	94		SW846 8040A
	ND	94.9	91.5	ug/L	96	2.5	SW846 8040A
2,4-Dinitrophenol	ND	95.0	95.2	ug/L	100		SW846 8040A
	ND	94.9	91.2	ug/L	96	4.3	SW846 8040A
4,6-Dinitro-2-methylphenol	ND	95.0	95.4	ug/L	100		SW846 8040A
	ND	94.9	89.9	ug/L	95	5.9	SW846 8040A
Dinoseb	ND	95.0	103	ug/L	108		SW846 8040A
	ND	94.9	97.7	ug/L	103	5.2	SW846 8040A
2-Nitrophenol	ND	95.0	92.7	ug/L	98		SW846 8040A
	ND	94.9	89.8	ug/L	95	3.2	SW846 8040A
4-Nitrophenol	ND	95.0	95.9	ug/L	101		SW846 8040A
	ND	94.9	94.4	ug/L	99	1.6	SW846 8040A
Pentachlorophenol	ND	95.0	94.1	ug/L	99		SW846 8040A
	ND	94.9	88.9	ug/L	94	5.7	SW846 8040A
Phenol	ND	95.0	85.3	ug/L	90		SW846 8040A
	ND	94.9	90.5	ug/L	95	5.9	SW846 8040A
2,3,4,6-Tetrachlorophenol	ND	95.0	94.7	ug/L	100		SW846 8040A
	ND	94.9	89.6	ug/L	94	5.5	SW846 8040A
2,4,5-Trichlorophenol	ND	95.0	93.0	ug/L	98		SW846 8040A
	ND	94.9	90.5	ug/L	95	2.7	SW846 8040A

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MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL727 **Work Order #...:** KG05A1AE-MS **Matrix.....:** WATER
MS Lot-Sample #: F8B120248-002 KG05A1AF-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2,4,6-Trichloro-phenol	**ND**	**95.0**	**92.4**	**ug/L**	**97**		**SW846 8040A**
	ND	**94.9**	**91.3**	**ug/L**	**96**	**1.2**	**SW846 8040A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	101	(44 - 110)
	96	(44 - 110)
2-Fluorophenol	81	(37 - 96)
	86	(37 - 96)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL727 **Work Order #...:** KG7RA1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F8B160122-001 KG7RA1AE-MSD
Date Sampled...: 02/14/08 **Date Received..:** 02/16/08
Prep Date.....: 02/19/08 **Analysis Date..:** 02/25/08
Prep Batch #...: 8050137
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2-Chlorophenol	ND	95.8	57.5	ug/L	60		SW846 8040A
	ND	95.8	94.9	ug/L	99 p	49	SW846 8040A
4-Chloro-3-methylphenol	ND	95.8	52.8	ug/L	55		SW846 8040A
	ND	95.8	97.0	ug/L	101 p	59	SW846 8040A
3-Methylphenol & 4-Methylphenol	ND	95.8	54.5	ug/L	57		SW846 8040A
	ND	95.8	96.1	ug/L	100 p	55	SW846 8040A
2-Methylphenol	ND	95.8	55.5	ug/L	58		SW846 8040A
	ND	95.8	95.4	ug/L	100 p	53	SW846 8040A
2,4-Dichlorophenol	ND	95.8	53.3	ug/L	56		SW846 8040A
	ND	95.8	94.8	ug/L	99 p	56	SW846 8040A
2,6-Dichlorophenol	ND	95.8	54.9	ug/L	57		SW846 8040A
	ND	95.8	97.3	ug/L	102 p	56	SW846 8040A
2,4-Dimethylphenol	ND	95.8	52.4	ug/L	55		SW846 8040A
	ND	95.8	94.2	ug/L	98 p	57	SW846 8040A
2,4-Dinitrophenol	ND	95.8	51.0	ug/L	53		SW846 8040A
	ND	95.8	97.0	ug/L	101 p	62	SW846 8040A
4,6-Dinitro-2-methylphenol	ND	95.8	43.4	ug/L	45		SW846 8040A
	ND	95.8	101	ug/L	106 p	80	SW846 8040A
Dinoseb	ND	95.8	48.2	ug/L	50		SW846 8040A
	ND	95.8	109	ug/L	114 p	77	SW846 8040A
2-Nitrophenol	ND	95.8	46.0	ug/L	48		SW846 8040A
	ND	95.8	101	ug/L	105 p	75	SW846 8040A
4-Nitrophenol	ND	95.8	49.8	ug/L	52		SW846 8040A
	ND	95.8	100	ug/L	105 p	67	SW846 8040A
Pentachlorophenol	ND	95.8	48.2	ug/L	50		SW846 8040A
	ND	95.8	95.7	ug/L	100 p	66	SW846 8040A
Phenol	ND	95.8	55.2	ug/L	58		SW846 8040A
	ND	95.8	90.8	ug/L	95 p	49	SW846 8040A
2,3,4,6-Tetrachlorophenol	ND	95.8	44.1	ug/L	46		SW846 8040A
	ND	95.8	102	ug/L	106 p	79	SW846 8040A
2,4,5-Trichlorophenol	ND	95.8	51.7	ug/L	54		SW846 8040A
	ND	95.8	95.6	ug/L	100 p	60	SW846 8040A

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MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL727 **Work Order #...:** KG7RA1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F8B160122-001 KG7RA1AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2,4,6-Trichloro-phenol	**ND**	**95.8**	**53.3**	**ug/L**	**56**		**SW846 8040A**
	ND	**95.8**	**99.1**	**ug/L**	**103 p**	**60**	**SW846 8040A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	49	(44 - 110)
	101	(44 - 110)
2-Fluorophenol	55	(37 - 96)
	85	(37 - 96)

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 Semivolatiles

Client Lot #...: SL727 **Work Order #...:** KHMNJ1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F8B260229-001 KHMNJ1AE-MSD
Date Sampled...: 02/22/08 **Date Received..:** 02/26/08
Prep Date.....: 02/28/08 **Analysis Date..:** 03/05/08
Prep Batch #...: 8059147
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2-Chlorophenol	ND	189	185	ug/L	98		SW846 8040A
	ND	194	198	ug/L	102	6.5	SW846 8040A
4-Chloro-3-methylphenol	ND	189	199	ug/L	105		SW846 8040A
	ND	194	211	ug/L	109	6.0	SW846 8040A
3-Methylphenol & 4-Methylphenol	ND	189	189	ug/L	100		SW846 8040A
	ND	194	203	ug/L	105	7.2	SW846 8040A
2-Methylphenol	ND	189	186	ug/L	98		SW846 8040A
	ND	194	199	ug/L	103	6.6	SW846 8040A
2,4-Dichlorophenol	ND	189	188	ug/L	99		SW846 8040A
	ND	194	201	ug/L	104	6.6	SW846 8040A
2,6-Dichlorophenol	ND	189	191	ug/L	101		SW846 8040A
	ND	194	204	ug/L	106	6.7	SW846 8040A
2,4-Dimethylphenol	ND	189	183	ug/L	96		SW846 8040A
	ND	194	196	ug/L	101	7.2	SW846 8040A
2,4-Dinitrophenol	ND	189	214	ug/L	113		SW846 8040A
	ND	194	220	ug/L	113	2.6	SW846 8040A
4,6-Dinitro-2-methylphenol	ND	189	217	ug/L	114		SW846 8040A
	ND	194	219	ug/L	113	1.1	SW846 8040A
Dinoseb	ND	189	237	ug/L	125		SW846 8040A
	ND	194	236	ug/L	122	0.50	SW846 8040A
2-Nitrophenol	ND	189	199	ug/L	105		SW846 8040A
	ND	194	213	ug/L	110	6.6	SW846 8040A
4-Nitrophenol	ND	189	220	ug/L	116		SW846 8040A
	ND	194	227	ug/L	117	3.0	SW846 8040A
Pentachlorophenol	ND	189	222	ug/L	117 N		SW846 8040A
	ND	194	220	ug/L	114	0.72	SW846 8040A
Phenol	ND	189	180	ug/L	95		SW846 8040A
	ND	194	198	ug/L	102	9.3	SW846 8040A
2,3,4,6-Tetrachlorophenol	ND	189	213	ug/L	112		SW846 8040A
	ND	194	218	ug/L	113	2.6	SW846 8040A
2,4,5-Trichlorophenol	ND	189	201	ug/L	106		SW846 8040A
	ND	194	213	ug/L	110	5.5	SW846 8040A

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MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL727 **Work Order #...:** KHMNJ1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F8B260229-001 KHMNJ1AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2,4,6-Trichloro-phenol	**ND**	**189**	**206**	**ug/L**	**109**		**SW846 8040A**
	ND	**194**	**219**	**ug/L**	**113**	**6.1**	**SW846 8040A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	108	(44 - 110)
	106	(44 - 110)
2-Fluorophenol	81	(37 - 96)
	84	(37 - 96)

NOTE(S):

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

Bold print denotes control parameters

N Spiked analyte recovery is outside stated control limits.

METALS

Fluor Hanford Inc

Client Sample ID: B1RFK7

DISSOLVED Metals

Lot-Sample #...: F8B120248-001 **Matrix.....:** WATER
Date Sampled...: 02/10/08 **Date Received..:** 02/12/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8045067						
Mercury	ND	0.20	ug/L	SW846 7470A	02/14/08	KG0471AA
		Dilution Factor: 1		MDL.....: 0.093		

Fluor Hanford Inc

Client Sample ID: B1RFK8

TOTAL Metals

Lot-Sample #...: F8B120248-002 **Matrix.....:** WATER
Date Sampled...: 02/10/08 **Date Received..:** 02/12/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8045066						
Mercury	ND	0.20	ug/L	SW846 7470A	02/14/08	KG05A1AD
		Dilution Factor: 1		MDL.....: 0.093		

Fluor Hanford Inc

Client Sample ID: B1RCF6

DISSOLVED Metals

Lot-Sample #...: F8B160118-001 **Matrix.....:** WATER
Date Sampled...: 02/14/08 **Date Received..:** 02/16/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8049049						
Mercury	ND	0.20	ug/L	SW846 7470A	02/18/08	KG7Q51AA
		Dilution Factor: 1		MDL.....: 0.093		

Fluor Hanford Inc

Client Sample ID: B1RCF7

TOTAL Metals

Lot-Sample #...: F8B160118-002 **Matrix.....:** WATER
Date Sampled...: 02/14/08 **Date Received..:** 02/16/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8049048						
Mercury	ND	0.20	ug/L	SW846 7470A	02/18/08	KG7Q61AC
		Dilution Factor: 1		MDL.....: 0.093		

Fluor Hanford Inc

Client Sample ID: B1RCH2

DISSOLVED Metals

Lot-Sample #...: F8B160118-003 **Matrix.....:** WATER
Date Sampled...: 02/14/08 **Date Received..:** 02/16/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8049049						
Mercury	ND	0.20	ug/L	SW846 7470A	02/18/08	KG7Q71AA
		Dilution Factor: 1		MDL.....: 0.093		

Fluor Hanford Inc

Client Sample ID: B1RCH3

TOTAL Metals

Lot-Sample #...: F8B160118-004 **Matrix.....:** WATER
Date Sampled...: 02/14/08 **Date Received..:** 02/16/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8049048						
Mercury	ND	0.20	ug/L	SW846 7470A	02/18/08	KG7Q81AC
		Dilution Factor: 1		MDL.....: 0.093		

Fluor Hanford Inc

Client Sample ID: B1RFR5

DISSOLVED Metals

Lot-Sample #...: F8B160122-003 **Matrix.....:** WATER
Date Sampled...: 02/14/08 **Date Received..:** 02/16/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8049049						
Mercury	ND	0.20	ug/L	SW846 7470A	02/18/08	KG7RE1AA
		Dilution Factor: 1		MDL.....: 0.093		

Fluor Hanford Inc

Client Sample ID: B1RFR6

TOTAL Metals

Lot-Sample #...: F8B160122-004 **Matrix.....:** WATER
Date Sampled...: 02/14/08 **Date Received..:** 02/16/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8049048						
Mercury	ND	0.20	ug/L	SW846 7470A	02/18/08	KG7RH1AD
		Dilution Factor: 1		MDL.....: 0.093		

Fluor Hanford Inc

Client Sample ID: B1RFR1

DISSOLVED Metals

Lot-Sample #...: F8B160122-005 **Matrix.....:** WATER
Date Sampled...: 02/14/08 **Date Received..:** 02/16/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8049049						
Mercury	ND	0.20	ug/L	SW846 7470A	02/18/08	KG7RJ1AA
		Dilution Factor: 1		MDL.....: 0.093		

Fluor Hanford Inc

Client Sample ID: B1RFR2

TOTAL Metals

Lot-Sample #...: F8B160122-006 **Matrix.....:** WATER
Date Sampled...: 02/14/08 **Date Received..:** 02/16/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8049048						
Mercury	ND	0.20	ug/L	SW846 7470A	02/18/08	KG7RM1AD
		Dilution Factor: 1		MDL.....: 0.093		

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: SL727 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: F8B140000-066 **Prep Batch #...:** 8045066						
Mercury	ND	0.20	ug/L	SW846 7470A	02/14/08	KG3NG1AA
		Dilution Factor: 1				
MB Lot-Sample #: F8B180000-048 **Prep Batch #...:** 8049048						
Mercury	ND	0.20	ug/L	SW846 7470A	02/18/08	KG8F81AA
		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 #...: SL727 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: F8B140000-067 **Prep Batch #...:** 8045067						
Mercury	ND	0.20	ug/L	SW846 7470A	02/14/08	KG3NJ1AA
		Dilution Factor: 1				
MB Lot-Sample #: F8B180000-049 **Prep Batch #...:** 8049049						
Mercury	ND	0.20	ug/L	SW846 7470A	02/18/08	KG8GA1AA
		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 #...: SL727 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: F8B140000-066 **Prep Batch #...:** 8045066							
Mercury	1.00	0.964	ug/L	96	SW846 7470A	02/14/08	KG3NG1AC
			Dilution Factor: 1				
LCS Lot-Sample#: F8B180000-048 **Prep Batch #...:** 8049048							
Mercury	1.00	0.910	ug/L	91	SW846 7470A	02/18/08	KG8F81AC
			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 #...: SL727 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: F8B140000-067 **Prep Batch #...:** 8045067							
Mercury	1.00	0.963	ug/L	96	SW846 7470A	02/14/08	KG3NJ1AC
			Dilution Factor: 1				
LCS Lot-Sample#: F8B180000-049 **Prep Batch #...:** 8049049							
Mercury	1.00	0.912	ug/L	91	SW846 7470A	02/18/08	KG8GA1AC
			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 #...: SL727 **Matrix.....:** WATER
Date Sampled...: 02/10/08 **Date Received..:** 02/12/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F8B120248-001 **Prep Batch #...:** 8045067									
Mercury									
	ND	1.00	0.971	ug/L	97		SW846 7470A	02/14/08	KG0471AC
	ND	1.00	1.03	ug/L	103	5.9	SW846 7470A	02/14/08	KG0471AD

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 #...: SL727 **Matrix.....:** WATER
Date Sampled...: 02/14/08 **Date Received..:** 02/16/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F8B160118-002 **Prep Batch #...:** 8049048									
Mercury									
	ND	1.00	0.966	ug/L	97		SW846 7470A	02/18/08	KG7Q61AD
	ND	1.00	0.892	ug/L	89	8.0	SW846 7470A	02/18/08	KG7Q61AE

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 #...: SL727 **Matrix.....:** WATER
Date Sampled...: 02/14/08 **Date Received..:** 02/16/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F8B160118-001 **Prep Batch #...:** 8049049									
Mercury									
	ND	1.00	0.939	ug/L	94		SW846 7470A	02/18/08	KG7Q51AC
	ND	1.00	0.935	ug/L	94	0.42	SW846 7470A	02/18/08	KG7Q51AD
			Dilution Factor: 1						

NOTE(S):

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