TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

W08-008

Lot #: F8I030139
SDG #: SL751

RECEIVED
JUL 10 2012
EDMC

Steve Trent

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

TESTAMERICA LABORATORIES, INC.

Michael C. Franks
Project Manager

September 29, 2008

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CASE NARRATIVE

Fluor Hanford, Inc.
P.O. Box 1000
MSIN E6-35
Richland, Washington 99352
September 29, 2008
Attention: Steve Trent

SDG	: SL751
Number of Samples	: 33 samples
Sample Matrix	: water
Data Deliverable	: Summary
Date SDG Closed	: September 4, 2008

II. Introduction

Between September 2, 2008 and September 4, 2008, thirty three (33) water samples were received by TestAmerica - St. Louis for chemical analysis. The samples except those noted below 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.

Coolers containing samples B1WKL7, B1WJY1, B1WJY2, B1WJY3, B1WJY4, B1WJY5, B1WKK6, B1WDP1, B1W2F0, B1W2F1, B1W2F2, B1W2F3, and B1W2F6 were received outside temperature requirements at 21 Degrees C and 22 Degrees C. Issue Resolution Form 08-155, included with this case narrative, accepted the proposed resolution of proceeding with all analysis.

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: W08-008, W08-007, I08-053,S08-006, and W08-009

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.

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Fluor Hanford Inc.
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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.

ICP Metals

Batch: 8261087

Copper and Nickel were observed in the method blank above the reporting limit. Neither analyte was detected above the MDL in the associated samples.
Affected Samples:
F8I040229 (1): B1X1B6
F8I040229 (3): B1X1C0
F8I040229 (5): B1X1B1
F8I040229 (7): B1X157
F8I040229 (9): B1X167
F8I040229 (11): B1X059
F8I040229 (13): B1X1F9
F8I040229 (15): B1X069
F8I040229 (17): B1X079
F8I040229 (19): B1X084
F8I040229 (21): B1X064

The samples were analyzed at a dilution for Calcium and Strontium due to high concentrations of target and interfering analytes. The reporting limit has been adjusted only for those targets reported from the dilution run.
Affected Samples:
F8I040229 (1): B1X1B6
F8I040229 (3): B1X1C0
F8I040229 (5): B1X1B1
F8I040229 (9): B1X167

Batch: 8260237

The samples were analyzed at a dilution for Calcium and Strontium due to high concentrations of target and interfering analytes. The reporting limit has been adjusted only for those targets reported from the dilution run.
Affected Samples:
F8I040229 (2): B1X1B7
F8I040229 (4): B1X1C1
F8I040229 (6): B1X1B2
F8I040229 (10): B1X168

There were no observations or nonconformances for the following methods:

Semi-Volatiles
Total Organic Carbon
Total Organic Halogens
Total Sulfide
Total Phenolics

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Fluor Hanford Inc.
September 29, 2008
SDG: SL751

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

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

PNNL TRACKING NUMBER: 08-155

Date: Sept.2, 2008 SAF Nos. W08-008, I08-053

SDG: SL751 LOGIN No.: TEST: TOX, TOC, SVOA, S, Phenol

Sample No.(s) **B1WKL7, B1WJY1, B1WJY2, B1WJY3, B1WJY4, B1WJY5, B1WKK6, B1WDP1, B1W2F0, B1W2F1, B1W2F2, B1W2F3, B1W2F6**

Submitted By: Mike Franks Submitted To: Heidi Hampt

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

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

ISSUE	PROPOSED RESOLUTION
The coolers were received outside of temperature requirements on Sept. 2, 2008. One cooler was received at 21 Deg. C and the other cooler was received at 22 Deg. C.	1) Proceed with 2) Cancel analysis.

BHI/WMH/PNNL COMMENTS
Please proceed with analysis and note in narrative that the coolers were received outside of temperature.

Heidi Hampt 9/2/08
Signature and Date

XC: Ron Butler

Problem and Discrepancy Report
TASL
SDG SL751

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1. The data package has the following issues:

a) The Analytical results, dissolved metals, batch # 8261087, zinc, calcium, and potassium contamination needs to be discussed in the narrative.

Resolution: *Provide discussion.*

Lab Response: **None provided.**

CHPRC Review: **A review was conducted of the P&D on 6/28/2011. Due to the age of the P&D and lack of laboratory response this issue was closed with no further action required. The reader is cautioned that the issue noted does exist and needs to be taken into account when reviewing the associated data.**

b) The Analytical results, dissolved metals, batch # 8261087, the following samples need to have C qualifier removed from calcium: B1X1B6, B1X064, B1X1F9, B1X069, B1X079, B1X084, B1X1C0, B1X1B1, B1X157, B1X167, and B1X059.

Resolution: *Remove qualifiers.*

Lab Response: **None provided.**

CHPRC Review: **A review was conducted of the P&D on 6/28/2011. The hard copy and electronic data were modified by CHPRC.**

c) The Analytical results, TIC reports, remove all M qualifiers and replace with J.

Resolution: *Remove qualifiers.*

Lab Response: **None provided.**

CHPRC Review: **A review was conducted of the P&D on 6/28/2011. Due to the age of the P&D and lack of laboratory response this issue was closed with no further action required. The data should have been qualified "J" as estimated values. The reader is cautioned that the issue noted does exist and needs to be taken into account when reviewing the associated data.**

d) The Analytical results, dissolved metals, batch #8261087, calcium and strontium need D qualifier added.

Resolution: *Provide correction.*

Lab Response: **None provided.**

CHPRC Review: **A review was conducted of the P&D on 6/28/2011. The hard copy and electronic data were modified by CHPRC.**

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

Problem and Discrepancy Report
TASL
SDG SL751

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e) The Narrative, ICP Metals, batch # 8261087 and 8260237, a dilution was done for magnesium as well.

Resolution: *Provide qualifier.*

Lab Response: **None provided.**

CHPRC Review: **A review was conducted of the P&D on 6/28/2011. The issue was noted erroneously. No further action is required.**

f) The Qualifiers need to be defined in the narrative.

Resolution: *Provide discussion.*

Lab Response: **None provided.**

CHPRC Review: **A review was conducted of the P&D on 6/28/2011. Due to the age of the P&D and lack of laboratory response this issue was closed with no further action required.**

Please correct the issues and resubmit the hard copy data packages.

METHODS SUMMARY

SL751

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	
Phenolics	MCAWW 420.2	MCAWW 420.2
Semivolatile Organic Compounds by GC/MS	SW846 8270C	SW846 3510C
Sulfide	SW846 9030	
Total Organic Carbon	SW846 9060	SW846 9060
Total Organic Halogens	SW846 9020B	SW846 9020B

References:

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

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

SAMPLE SUMMARY

SL751 : F8I030139

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KV6RK	001	B1WKK6	08/29/08	11:05

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

SL751 : F8I030145

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KV6TC	001	B1W2F0	08/27/08	10:44
KV6TF	002	B1W2F1	08/27/08	10:44
KV6TH	003	B1W2F2	08/27/08	10:44
KV6TJ	004	B1W2F3	08/27/08	10:44

NOTE(S):

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(Continued on next page)

SAMPLE SUMMARY

SL751 : F8I030149

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KV6TW	001	B1WDP1	08/29/08	13:04

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.
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(Continued on next page)

SAMPLE SUMMARY

SL751 : F8I030174

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KV64G	001	B1WDN7	08/29/08	13:04
KV7C7	002	B1WDN1	08/26/08	11:00

NOTE(S):

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- 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

SL751 : F8I030179

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KV647	001	B1VMJ8	08/27/08	11:44
KV7F0	002	B1VML0	08/27/08	13:39
KV7F8	003	B1VML2	08/27/08	13:39

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

SL751 : F8I040229

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KV9R0	001	B1X1B6	09/03/08	12:55
KV9R4	002	B1X1B7	09/03/08	12:55
KV9R7	003	B1X1C0	09/03/08	12:55
KV9R8	004	B1X1C1	09/03/08	12:55
KV9R9	005	B1X1B1	09/03/08	09:41
KV9TF	006	B1X1B2	09/03/08	09:41
KV9TG	007	B1X157	09/03/08	10:51
KV9TH	008	B1X158	09/03/08	10:51
KV9TL	009	B1X167	09/03/08	11:48
KV9TM	010	B1X168	09/03/08	11:48
KV9TN	011	B1X059	09/03/08	08:29
KV9TP	012	B1X060	09/03/08	08:29
KV9TV	013	B1X1F9	09/03/08	09:12
KV9TW	014	B1X1H0	09/03/08	09:12
KV9T1	015	B1X069	09/03/08	09:49
KV9T2	016	B1X070	09/03/08	09:49
KV9T3	017	B1X079	09/03/08	12:12
KV9T5	018	B1X080	09/03/08	12:12
KV9T7	019	B1X084	09/03/08	10:24
KV9T8	020	B1X085	09/03/08	10:24
KV9T9	021	B1X064	09/03/08	11:15
KV9VC	022	B1X065	09/03/08	11:15

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.
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SDG# SL751

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-008-452

Collector	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: W08-008	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, AUGUST 2008	HNF N 506 17	Ice Chest No. ~~E19100-KR-4~~ Temp
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 7970 7422 9991
Protocol: RCRA	Priority: 30 Days **PRIORITY**	Offsite Property No. N/A

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

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

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1WKK6		W	8/29/08	1105	3x1000-mL aG	8270_SVOA_GCMS: 1,4 Dioxane (1)	Cool~4C
B1WKK6		W	↓	↓	1x20-mL P	Activity Scan	None
B1WKK6		W	↓	↓	1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
[illegible]	[illegible]	[illegible]	8/29/08 1430	FED EX			
Relinquished By			Date/Time	Received By			Date/Time
FED EX				[illegible]			09.02.08 0900
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

P&D Submittal

June 28, 2011

TestAmerica St. Louis REVISION 2

IMPORTANT!
Severe weather may cause some service delays and disruptions along the Gulf Coast. Learn more

Track Shipments/FedEx Kinko's Orders

Detailed Results

Tracking number	797074229991	**Reference**	100-KR-4
Signed for by	A.BRUNSON	**Destination**	Earth City, MO
Ship date	Aug 29, 2008	**Delivered to**	Shipping/Receiving
Delivery date	Sep 2, 2008 9:27 AM	**Service type**	Priority Overnight
		Weight	78.0 lbs.
Status	Delivered		
Signature image available	Yes		

Date/Time		Activity	Location
Sep 2, 2008	9:27 AM	**Delivered**	Earth City, MO
	6:57 AM	At local FedEx facility	EARTH CITY, MO
Aug 30, 2008	10:22 PM	Departed FedEx location	MEMPHIS, TN
	3:17 PM	In transit	MEMPHIS, TN
	12:59 PM	Arrived at FedEx location	MEMPHIS, TN
Aug 29, 2008	7:39 PM	At local FedEx facility	SPOKANE, WA
	5:17 PM	Left FedEx origin facility	PASCO, WA
	3:58 PM	Package data transmitted to FedEx	
	3:55 PM	Picked up	PASCO, WA

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

Subscribe to tracking updates (optional)

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

E-mail address	Language		Exception updates
	English		
	English		
	English		
	English		

Select format: ◉ HTML ○ Text ○ Wireless

Add personal message:

Not available for Wireless or non-English characters.

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

P&D Submittal

June 28, 2011 REVISION 2

- 4166 -

Lot #(s): FB I 030139, 145, 149

Condition Upon Receipt Form

Client: Fluor
Quote No: 60366, 60360, 60366
COC/RFA No: Melgar
Initiated By: S
Date: 09.02.08
Time: 0900

Shipping Information

Shipper Name: FedX
Shipping # (s):*
1. 7960 7508 9270
2. 7970 7422 9991
3.
4.
5.
6.
7.
8.
9.
10.

Multiple Packages (Y) N
Sample Temperature (s):**
1. 21
2. 22
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 SM 8/2/08	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:

W08-008-502, 469, 452
W08-007-84
I08-053

per M. Franks - proceed re: temps. & broken bottle.
↓
B1WKL7 - 1 SVOA recv'd. broken. -

Corrective Action:
☐ Client Contact Name: Informed by:
☐ Sample(s) processed "as is"
☐ Sample(s) on hold until: If released, notify:
Project Management Review: Date: 09-05-08

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.

SD# 51751

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W08-007-86**

Page 1 of 1

Collector: Fluor Hanford	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: W08-007	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, JULY 2008	HNF-N-506-14	Ice Chest No.: DC-42 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7960 7508 9270
Protocol: RCRA	Priority: 30 Days **PRIORITY**	Offsite Property No.: N/A

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

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1W2F0		W	8-27-08	1044	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
B1W2F0		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1W2F1		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
B1W2F1		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1W2F2		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
B1W2F2		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1W2F3		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
B1W2F3		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1W2F6		W	✓	✓	1x20-mL P	Activity Scan	None

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
Fluor Hanford	8/29/08 1400	FED EX	
FED EX		09.02.08 0900	

Matrix *

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

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

P&D Submittal

June 28, 2011

TestAmerica St. Louis REVISION 2

IMPORTANT!
Severe weather may cause some service delays and disruptions along the Gulf Coast. Learn more

Track Shipments/FedEx Kinko's Orders

Detailed Results

Tracking number	796075089270	**Reference**	DC-42
Signed for by	A.BRUNSON	**Destination**	Earth City, MO
Ship date	Aug 29, 2008	**Delivered to**	Shipping/Receiving
Delivery date	Sep 2, 2008 9:27 AM	**Service type**	Priority Overnight
		Weight	56.0 lbs.
Status	Delivered		
Signature image available	Yes		

Date/Time		Activity	Location
Sep 2, 2008	9:27 AM	**Delivered**	Earth City, MO
	7:57 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	7:51 AM	At local FedEx facility	EARTH CITY, MO
Aug 30, 2008	10:22 PM	Departed FedEx location	MEMPHIS, TN
	3:17 PM	In transit	MEMPHIS, TN
	12:59 PM	Arrived at FedEx location	MEMPHIS, TN
Aug 29, 2008	7:39 PM	At local FedEx facility	SPOKANE, WA
	5:17 PM	Left FedEx origin facility	PASCO, WA
	3:55 PM	Picked up	PASCO, WA
	3:43 PM	Package data transmitted to FedEx	

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

Subscribe to tracking updates (optional)

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

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

Select format: HTML Text Wireless

Add personal message:

Not available for Wireless or non-English characters.

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

P&D Submittal
TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

June 28, 2011 REVISION 2
- 4166 -

Lot #(s): F8I030137 (145) 149

Condition Upon Receipt Form

Client: Fluor
Quote No: E0366, E0366, E0366
COC/RFA No: Melgu
Initiated By: S
Date: 09.02.08
Time: 0900

Shipping Information

Shipper Name: FedX
Shipping # (s):*
1. 7960 7508 9270
2. 7970 7422 9991
3.
4.
5.
6.
7.
8.
9.
10.

Multiple Packages (Y) N
Sample Temperature (s):**
1. 21
2. 22
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 SW 09-03-08	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:
W08-008-502, 469, 452
W08-007-84
I08-053

per M. Franks - proceed re: temps & broken bottle.
↓
B1WKL7-1 5VOA recvd. broken. -

Corrective Action:
☐ Client Contact Name: _____ Informed by: _____
☐ Sample(s) processed "as is"
☐ Sample(s) on hold until: _____ If released, notify: _____
Project Management Review: _____ Date: 09-04-08

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

SL 757

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I08-053-36

Page 1 of 1

Collector: Fluor Hanford D. R. BREWINGTON	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: I08-053	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 2UP1, AUGUST 2008	HNF-N-506-14	Ice Chest No. Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 7960 7508 9270
Protocol: SURV	Priority: 30 Days **PRIORITY**	Offsite Property No. N/A

POSSIBLE SAMPLE HAZARDS/REMARKS

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

SPECIAL INSTRUCTIONS Hold Time

200 Area Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1WDP1		W	8/29/08	1304	3x500-mL G/P	9030_SULFIDE: Sulfide (1)	ZnAc+NaOH to pH >9 Cool~4C
B1WDP1		W			1x20-mL P	Activity Scan	None
B1WDP1		W			1x500-mL aG	420.2_PHENOL: Phenol total(1)	H2SO4 to pH <2 Cool~4C
B1WDP1		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
B1WDP1		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford D. R. BREWINGTON			8/29/08 1400	FED EX			
RDEY							09-02-08 0900

Matrix *

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

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

P&D Submittal

June 28, 2011

TestAmerica St. Louis

REVISION 2

SDG# SL7110

Page 21 of 139

19 137

IMPORTANT!
Severe weather may cause some service delays and disruptions along the Gulf Coast. Learn more

Track Shipments/FedEx Kinko's Orders

Detailed Results

Tracking number	796075089270	**Reference**	DC-42
Signed for by	A.BRUNSON	**Destination**	Earth City, MO
Ship date	Aug 29, 2008	**Delivered to**	Shipping/Receiving
Delivery date	Sep 2, 2008 9:27 AM	**Service type**	Priority Overnight
		Weight	56.0 lbs.
Status	Delivered		
Signature image available	Yes		

Date/Time		Activity	Location
Sep 2, 2008	9:27 AM	**Delivered**	Earth City, MO
	7:57 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	7:51 AM	At local FedEx facility	EARTH CITY, MO
Aug 30, 2008	10:22 PM	Departed FedEx location	MEMPHIS, TN
	3:17 PM	In transit	MEMPHIS, TN
	12:59 PM	Arrived at FedEx location	MEMPHIS, TN
Aug 29, 2008	7:39 PM	At local FedEx facility	SPOKANE, WA
	5:17 PM	Left FedEx origin facility	PASCO, WA
	3:55 PM	Picked up	PASCO, WA
	3:43 PM	Package data transmitted to FedEx	

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

Subscribe to tracking updates (optional)

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

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

Select format: HTML Text Wireless

Add personal message:

Not available for Wireless or non-English characters.

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

P&D Submittal
TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

June 28, 2011 REVISION 2
- 4166 -

Lot #(s): F6I030139
145
149

Condition Upon Receipt Form

Client: Fluor
Quote No: 60366, 60360 60366
COC/RFA No: Delay
Initiated By:
Date: 09.02.08
Time: 0900

Shipping Information

Shipper Name: FedX
Shipping # (s):*
1. 7960 7508 9270
2. 7970 7422 9991
3.
4.
5.
6.
7.
8.
9.
10.

Multiple Packages (Y) N
Sample Temperature (s):**
1. 21
2. 22
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 SM 09.03.08	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:

W08-008-502, 469, 452
W08-007-84
I08-053-36

per M. Franks - proceed re: temps & broken bottle.

↓

81WKL7-1 SVOA Recv'd. broken. -

Corrective Action:
☐ Client Contact Name: Informed by:
☐ Sample(s) processed "as is"
☐ Sample(s) on hold until: If released, notify:
Project Management Review: Date: 09-04-08

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 SL7

FLUOR HANFORD

5C751

CWS 4499

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

I08-053-38

Page 1 of 2

Collector: Fluor Hanford D. R. BREWINGTON	Contact/Requester: Steve Trent	Telephone No. 509-373-5869	MSIN / FAX
AF No. 108-053	Sampling Origin: Hanford Site	Purchase Order/Charge Code	
Project Title: 2UP1, AUGUST 2008	HNF-N-506-14	Ice Chest No. CWS 4499 100-KR-4	Temp.
Shipped To (Lab): Waste Sampling & Characterization	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 9-2-08	
Protocol: SURV		Offsite Property No. 7970 7577 4674	
	Priority: 30 Days **PRIORITY**	Total Activity Exemption: Yes ☑ 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.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1WDN6 (F)	W08P04269	W	8/29/08	1304	1x500-mL G/P	200.8_METALS_ICPMS: Arsenic (1); 200.8_METALS_ICPMS: Lead (1)	HNO3 to pH <2
B1WDN6 (F)		W			1x500-mL G/P	6010_METALS_ICP: List-1 + Lithium (20)	HNO3 to pH <2
B1WDN6 (F)		W			1x500-mL G/P	200.8_METALS_ICPMS: Mercury (1)	HNO3 to pH <2
B1WDN7	4270	W			4x40-mL aGs*	8260_VOA_GCMS: List-2 (25)	HCl or H2SO4 to pH <2 Cool~4C
B1WDN7		W			1x500-mL G/P	200.8_METALS_ICPMS: Arsenic (1); 200.8_METALS_ICPMS: Lead (1)	HNO3 to pH <2
B1WDN7		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool~4C
B1WDN7		W			1x500-mL G/P	6010_METALS_ICP: List-1 + Lithium (20)	HNO3 to pH <2
B1WDN7		W			1x1000-mL G/P	TC99_3MDSK_LSC: Tc-99 (1)	HCl to pH <2
B1WDN7		W			1x250-mL G	TRITIUM_EIE_LSC: Tritium (1)	None
B1WDN7		W			3x40-mL aGs*	Alcohols, Glycols, & Ketones - 8015	Cool~4C
B1WDN7		W			4x1000-mL aG	8270_SVOA_GCMS: List-1 + Cresol (14)	Cool~4C
B1WDN7		W			1x500-mL G/P	200.8_METALS_ICPMS: Uranium (1)	HNO3 to pH <2
B1WDN7		W			1x500-mL G/P	200.8_METALS_ICPMS: Mercury (1)	HNO3 to pH <2
B1WDN7		W			1x250-mL G/P	300.7_CATIONS_IC: Ammonia (1)	H2SO4 to pH <2
B1WDN7		W			1x250-mL G/P	335.2_CYANIDE: Cyanide (1)	NaOH to pH >= 12 Cool~4C
B1WDN7		W			3x1000-mL aG	TPH-Diesel Range - WTPH-D; TPH-Kerosene Range - WTPH-D	HCl to pH <2 Cool~4C

ICED

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
Fluor Hanford D. R. BREWINGTON	AUG 29 2008 1335	TA Pharzin Tress Fjin	AUG 29 2008 1335
	9/2/08 1435	D.J. Sparks	9/2/08 1435
D. J. Sparks	SEP 02 2008	FEDEX	SEP 02 2008
FEDEX		Angela Bom A Brunson	9-3-08 9:30

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

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

P&D Submittal

June 28, 2011

TestAmerica St. Louis

REVISION 2

137

SDG# SL751

FLUOR HANFORD

SL751

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I08-053-28

Page 1 of 2

Collector: Fluor Hanford D. R. BREWINGTON	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: I08-053	Sampling Origin: Hanford Site	Purchase Order/Charge Code:
Project Title: 2UP1 AUGUST 2008	HNF-N-506-14	Ice Chest No.: ERC-7 SML-442 Temp.:
Shipped To (Lab): Waste Sampling & Characterization	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7966 7646 4442
Protocol: SURV	Priority: 30 Days PRIORITY	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
B1WDN0 (F)	4213	W	8-26-08	1100	1x500-mL G/P	200.8_METALS_ICPMS: Arsenic (1); 200.8_METALS_ICPMS: Lead (1)	HNO3 to pH <2
B1WDN0 (F)		W			1x500-mL G/P	6010_METALS_ICP: List-1 + Lithium (20)	HNO3 to pH <2
B1WDN0 (F)		W			1x500-mL G/P	200.8_METALS_ICPMS: Mercury (1)	HNO3 to pH <2
B1WDN1	4214	W			4x40-mL aGs*	8260_VOA_GCMS: List-2 (25)	HCl or H2SO4 to pH <2 Cool~4C
B1WDN1		W			1x500-mL G/P	200.8_METALS_ICPMS: Arsenic (1); 200.8_METALS_ICPMS: Lead (1)	HNO3 to pH <2
B1WDN1		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool~4C
B1WDN1		W			1x500-mL G/P	6010_METALS_ICP: List-1 + Lithium (20)	HNO3 to pH <2
B1WDN1		W			1x1000-mL G/P	TC99_3MDSK_LSC: Tc-99 (1)	HCl to pH <2
B1WDN1		W			1x250-mL G	TRITIUM_EIE_LSC: Tritium (1)	None
B1WDN1		W			3x40-mL aGs*	Alcohols, Glycols, & Ketones - 8015	Cool~4C
B1WDN1		W			4x1000-mL aG	8270_SVOA_GCMS: List-1 + Cresol (14)	Cool~4C
B1WDN1		W			1x500-mL G/P	200.8_METALS_ICPMS: Uranium (1)	HNO3 to pH <2
B1WDN1		W			1x500-mL G/P	200.8_METALS_ICPMS: Mercury (1)	HNO3 to pH <2
B1WDN1		W			1x250-mL G/P	300.7_CATIONS_IC: Ammonia (1)	H2SO4 to pH <2
B1WDN1		W			1x250-mL G/P	335.2_CYANIDE: Cyanide (1)	NaOH to pH >= 12 Cool~4C
B1WDN1		W			3x1000-mL aG	TPH-Diesel Range - WTPH-D; TPH-Kerosene Range - WTPH-D	HCl to pH <2 Cool~4C

ICED

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford	D.R. Brewington		AUG 26 2008 1345	Victor Simms			AUG 26 2008 1345
BREWINGTON			9/2/08 1435				9/2/08 1435
			9/2/08 1600	FEDEX			SEP 02 2008
FEDEX				Angela Bryson			9-3-08 9:30

Matrix *

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

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

P&D Submittal

June 28, 2011

TestAmerica St. Louis REVISION 2

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IMPORTANT!
Severe weather may cause some service delays and disruptions along the Gulf Coast. Learn more

Track Shipments/FedEx Kinko's Orders

Detailed Results

Tracking number	797075774674	**Reference**	GWS-021
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	Sep 2, 2008	**Delivered to**	Shipping/Receiving
Delivery date	Sep 3, 2008 9:30 AM	**Service type**	Priority Overnight
		Weight	102.0 lbs.
Status	Delivered		
Signature image available	Yes		

Date/Time		Activity	Location
Sep 3, 2008	9:30 AM	**Delivered**	Earth City, MO
	7:35 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	7:30 AM	At local FedEx facility	EARTH CITY, MO
	5:38 AM	At dest sort facility	BERKELEY, MO
	5:14 AM	Departed FedEx location	MEMPHIS, TN
	1:29 AM	Arrived at FedEx location	MEMPHIS, TN
Sep 2, 2008	5:25 PM	Left FedEx origin facility	PASCO, WA
	5:07 PM	Package data transmitted to FedEx	
	4:17 PM	Picked up	PASCO, WA

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

Subscribe to tracking updates (optional)

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

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

Select format: HTML Text Wireless

Add personal message:

Not available for Wireless or non-English characters.

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

IMPORTANT!
Severe weather may cause some service delays and disruptions along the Gulf Coast. Learn more

Track Shipments/FedEx Kinko's Orders

Detailed Results

Tracking number	796076664442	**Reference**	SML-442
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	Sep 2, 2008	**Delivered to**	Shipping/Receiving
Delivery date	Sep 3, 2008 9:30 AM	**Service type**	Priority Overnight
		Weight	111.0 lbs.
Status	Delivered		
Signature image available	Yes		

Date/Time		Activity	Location
Sep 3, 2008	9:30 AM	**Delivered**	Earth City, MO
	8:06 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	7:55 AM	At local FedEx facility	EARTH CITY, MO
	5:38 AM	At dest sort facility	BERKELEY, MO
	5:14 AM	Departed FedEx location	MEMPHIS, TN
	1:29 AM	Arrived at FedEx location	MEMPHIS, TN
Sep 2, 2008	5:25 PM	Left FedEx origin facility	PASCO, WA
	5:06 PM	Package data transmitted to FedEx	
	4:17 PM	Picked up	PASCO, WA

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

Subscribe to tracking updates (optional)

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

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

Select format: HTML Text Wireless

Add personal message:

Not available for Wireless or non-English characters.

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

TestAmerica St. Louis

P&D Submittal

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

June 28, 2011 - 4499 -

Lot #(s): F8I030174 REVISION 2

174 220
179 223
202

Condition Upon Receipt Form

Client: Hanford
Quote No: 80384, 79524, 79817, 80416

COC/RFA No: See Below
Initiated By: AB

Date: 9-3-08
Time: 9:30

Shipping Information

Shipper Name: FE

Shipping # (s):*

1. 7970 7577 4647
2. 7960 7666 4442
3. 7970 7571 6487
4.
5.
6.
7.
8.
9.
10.

Multiple Packages (Y) N

Sample Temperature (s):**

1. 5
2. 2
3. 6
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) 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:

F08-053-38,28
F08-009-057, 060, 058, 059,
S08-006-416, 432, 433
F08-127-001,
AB 9-3-08
F08-154-007, 001, 004

B1VM2(1XLA) received broken

Corrective Action:

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

Project Management Review: _____ Date: 09-09-08

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

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

CWR 4499

SDG# SL751

FLUOR HANFORD

SL751

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S08-006-416

Page 1 of 1

Collector: Scott E. Hamaker	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: S08-006	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV, JUNE 2008	HNF-N-506-11	Ice Chest No.: 3MC-442 GUS-004 Temp.
Shipped To (Lab): Waste Sampling & Characterization	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7946 7446 4442
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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

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

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VMJ7 (F)	W08P004255	W	8/27/08	1144	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VMJ8	4256	W			1x500-mL G/P	ALPHABETA_GPC: Alpha discrete + Beta (2); ALPHABETA_GPC: Alpha discrete + Beta (2) X X	HNO3 to pH <2
B1VMJ8		W			1x250-mL G	TRITIUM_EIE_LSC: Tritium (1) X	None
B1VMJ8		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5) X	Cool~4C
B1VMJ8		W			1x500-mL G/P	200.8_METALS_ICPMS: Uranium (1) X	HNO3 to pH <2
B1VMJ8		W			4x40-mL aGs*	8260_VOA_GCMS: List-2 (25) X	HCl or H2SO4 to pH <2 Cool~4C
B1VMJ8		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18) X	HNO3 to pH <2
B1VMJ8		W			1x250-mL G/P	2320_ALKALINITY: Alkalinity (1) X	Cool~4C
B1VMJ8		W			4x1000-mL aG	8270_SVOA_GCMS: List-1 (13) X	Cool~4C
B1VMJ8		W			2x1000-mL P	TC99_ETVDSK_LSC: Tc-99 (1) X	HCl to pH <2

ICED

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Scott E. Hamaker			AUG 27 2008 1500		Victor Blue		AUG 27 2008 1500
			9/2/08 1435		D.J. Sparks		9/2/08 1435
D. J. Sparks			SEP 02 2008 1600	FEDEX			SEP 02 2008
27 FEDEX				Angela Bon A Brunson			9-3-08 9:30

Matrix *

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

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

P&D Submittal

June 28, 2011

TestAmerica St. Louis

REVISION 2

PBG 28 2011

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SDG# SL751

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S08-006-432

Page 1 of 1

Collector: Scott E. Hamaker	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: S08-006	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV JUNE 2008	HNF-W-506-16	Ice Chest No.: SML-4442 GWS-029 Temp. 9-2-08
Shipped To (Lab): Waste Sampling & Characterization	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7960 7666 4442
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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

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

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VMK9 (F)	W08P0D42	W	8/27/08	1339	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VML0	4250	W			1x500-mL G/P	ALPHABETA_GPC: Alpha discrete + Beta (2); ALPHABETA_GPC: Alpha discrete + Beta (2)	HNO3 to pH <2
B1VML0		W			1x250-mL G	TRITIUM_EIE_LSC: Tritium (1)	None
B1VML0		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool~4C
B1VML0		W			1x500-mL G/P	200.8_METALS_ICPMS: Uranium (1)	HNO3 to pH <2
B1VML0		W			4x40-mL aGs*	8260_VOA_GCMS: List-2 (25)	HCl or H2SO4 to pH <2 Cool~4C
B1VML0		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VML0		W			1x250-mL G/P	2320_ALKALINITY: Alkalinity (1)	Cool~4C
B1VML0		W			1x1000-mL G/P	TC99_3MDSK_LSC: Tc-99 (1)	HCl to pH <2
B1VML0		W			4x1000-mL aG	8270_SVOA_GCMS: List-1 (13)	Cool~4C

ICED

Relinquished By	Received By	Date/Time
Print: Scott E. Hamaker Sign:	Print: Sign:	1500 AUG 27 2008
Print: D. J. Sparks Sign:	Print: D. J. Sparks Sign:	9/2/08 1435
Print: D. J. Sparks Sign:	Print: Sign: FEDEX	SEP 02 2008
Print: FED EX Sign:	Print: Angela Brown Sign: AB Brown	9-3-08 9:30

Matrix *

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

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

P&D Submittal June 28, 2011 REVISION 2

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P0808169

08 SF 137

SDG# SL751

FLUOR HANFORD

SL751

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S08-006-433

Page 1 of 1

Collector: Scott E. Hamaker	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: S08-006	Sampling Origin: Hanford Site	Purchase Order/Charge Code: SAHL4442 DRH 9-2-08
Project Title: SURV JUNE 2008	HNF-W-506-1/6	Ice Chest No.: GOS-029 Temp.
Shipped To (Lab): Waste Sampling & Characterization	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 796074466 4442
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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

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

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VML1 (F)	W0P0J9251	W	8/27/08	1339	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VML2	4252	W			1x500-mL G/P	ALPHABETA_GPC: Alpha discrete + Beta (2); ALPHABETA_GPC: Alpha discrete + Beta (2)	HNO3 to pH <2
B1VML2		W			1x250-mL G	TRITIUM_EIE_LSC: Tritium (1)	None
B1VML2		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool~4C
B1VML2		W			1x500-mL G/P	200.8_METALS_ICPMS: Uranium (1)	HNO3 to pH <2
B1VML2		W			4x40-mL aGs*	8260_VOA_GCMS: List-2 (25)	HCl or H2SO4 to pH <2 Cool~4C
B1VML2		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VML2		W			1x250-mL G/P	2320_ALKALINITY: Alkalinity (1)	Cool~4C
B1VML2		W			1x1000-mL G/P	TC99_3MDSK_LSC: Tc-99 (1)	HCl to pH <2
B1VML2		W			4x1000-mL aG	8270_SVOA_GCMS: List-1 (13)	Cool~4C
							ICED

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Scott E. Ham	Scott Hamaker		1500 AUG 27 2008				1500 AUG 27 2008
			9/2/08 1435		D.J. Sparks		9/2/08 1435
D. J. Sparks			SEP 02 2008 1600	FedEx			SEP 02 2008
29 FedEx				A Brunson	Angela Brunson		9-3-08 9:30

Matrix *

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

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

P&D Submittal

June 28, 2011

REVISION 2

TestAmerica St. Louis

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IMPORTANT!
Severe weather may cause some service delays and disruptions along the Gulf Coast. Learn more

Track Shipments/FedEx Kinko's Orders

Detailed Results

Tracking number	796076664442	**Reference**	SML-442
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	Sep 2, 2008	**Delivered to**	Shipping/Receiving
Delivery date	Sep 3, 2008 9:30 AM	**Service type**	Priority Overnight
		Weight	111.0 lbs.
Status	Delivered		
Signature image available	Yes		

Date/Time		Activity	Location
Sep 3, 2008	9:30 AM	**Delivered**	Earth City, MO
	8:06 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	7:55 AM	At local FedEx facility	EARTH CITY, MO
	5:38 AM	At dest sort facility	BERKELEY, MO
	5:14 AM	Departed FedEx location	MEMPHIS, TN
	1:29 AM	Arrived at FedEx location	MEMPHIS, TN
Sep 2, 2008	5:25 PM	Left FedEx origin facility	PASCO, WA
	5:06 PM	Package data transmitted to FedEx	
	4:17 PM	Picked up	PASCO, WA

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

Subscribe to tracking updates (optional)

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

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

Select format: HTML Text Wireless

Add personal message:

Not available for Wireless or non-English characters.

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

P&D Submittal

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

June 28, 2011 REVISION 2

- 4499 -

Lot #(s): F8I030174 F8I030620
174 223
179
202

Condition Upon Receipt Form

Client: Hanford
Quote No: 80330, 79524, 79817, 80616
COC/RFA No: See Below
Initiated By: AB
Date: 9-3-08
Time: 9:30

Shipping Information

Shipper Name: FE

Shipping # (s):*

1. 7970 7577 4664
2. 7960 7666 4942
3. 7970 7571 6487
4.
5.
6.
7.
8.
9.
10.

Multiple Packages (Y) N

Sample Temperature (s):**

1. 5
2. 2
3. 6
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) 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:

I08-053-38,28
F08-009-057,060,058,059,
S08-006-416, 432, 433
F08-127001,
AB 9-3-08
F08-154-007,001,004

B1VML2(1XLA) received broken

Corrective Action:

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

Project Management Review: Date: 09-04-08

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# SL751 SL751 CVL 1

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-009-205

Page 1 of 1

Collector: RM Arnold	Contact/Requester: Mike Neely	Telephone No.: 509-373-0654 MSIN FAX
SAF No.: W08-009	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, SEPTEMBER 2008	HNF-N-506-19	Ice Chest No.: GWS028 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7410 7741 0071
Protocol: RCRA	Priority: 30 Days **PRIORITY**	Offsite Property No.

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

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

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B1X1B6 (F)		W	9-3-08	1255	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	6 Months	HNO3 to pH <2
B1X1B7		W	9-3-08	1	1x20-mL P	Activity Scan	6 Months	None
B1X1B7		W	9-3-08	1255	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	6 Months	HNO3 to pH <2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
RM Arnold	RM Arnold		SEP 03 2008 1400	FED EX			
FEDEX							9/4/08 1000

Matrix *

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

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

P&D Submittal

June 28, 2011

TestAmerica St. Louis REVISION 2

SDG# SL751

FLUOR HANFORD

SL751

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-009-206

Collector: RM Arnold	Contact/Requester: Mike Neely	Telephone No.: 509-373-0654 MSIN FAX
SAF No.: W08-009	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA SEPTEMBER 2008	HNF-W-SOC-19	Ice Chest No.: GW5 028 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7960 7794 0071
Protocol: RCRA	Priority: 30 Days **PRIORITY**	Offsite Property No.

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

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

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B1X1C0 (F)		W	9-3-08	1255	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	6 Months	HNO3 to pH <2
B1X1C1		W	/	/	1x20-mL P	Activity Scan	6 Months	None
B1X1C2		W	9-3-08	1255	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	6 Months	HNO3 to pH <2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
RM Arnold	RM Arnold		SEP 0 3 2008 1400	FED EX			
Relinquished By: Fed Ex			Date/Time	Received By: B-Ne			Date/Time: 9/4/08 1000
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

P&D Submittal

June 28, 2011

TestAmerica St. Louis REVISION 2

SDG# SL751

FLUOR HANFORD

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CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-009-197

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Collector: RM Arnold	Contact/Requester: Mike Neely	Telephone No.: 509-373-0654 MSIN FAX
SAF No.: W08-009	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA SEPTEMBER 2008	HNF-N-506-19	Ice Chest No.: GWS028 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7960 7794 0071
Protocol: RCRA	Priority: 30 Days **PRIORITY**	Offsite Property No.

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

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

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B1X1B1 (F)		W	9-3-08	0941	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	6 Months	HNO3 to pH <2
B1X1B2		W	9-3-08	1	1x20-mL P	Activity Scan	6 Months	None
B1X1B3		W	9-3-08	0941	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	6 Months	HNO3 to pH <2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
RM Arnold	RM Arnold		SEP 0 3 2008 1400	FED EX			
FEDEX				B-Ll			9/4/08 1000

Matrix *

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

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

P&D Submittal

June 28, 2011

REVISION 2

TestAmerica St. Louis

SDG# SL751

FLUOR HANFORD

SL751

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-009-133

Page 1 of 1

Collector: RM Arnold	Contact/Requester: Mike Neely	Telephone No.: 509-373-0654 MSIN FAX
SAF No.: W08-009	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, SEPTEMBER 2008	HNF-N-506-19	Ice Chest No.: GWS 028 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7960 77940071
Protocol: RCRA	Priority: 30 Days PRIORITY	Offsite Property No.

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

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

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B1X157 (F)		W	9-3-08	1051	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	6 Months	HNO3 to pH <2
B1X158		W	1	1	1x20-mL P	Activity Scan	6 Months	None
B1X159		W	9-3-08	1051	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	6 Months	HNO3 to pH <2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
RM Arnold	RM Arnold		SEP 03 2008 1400	FED EX			
PDEX				B-N			9/4/08 1000

Matrix *

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

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

P&D Submittal

June 28, 2011

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SDG# SL751

FLUOR HANFORD

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CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-009-149

Page 1 of 1

Collector: RM Arnold	Contact/Requester: Mike Neely	Telephone No.: 509-373-0654 MSIN FAX
SAF No.: W08-009	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, SEPTEMBER 2008	HNF-N-506-19	Ice Chest No.: GWS 028 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7960 7794 0071
Protocol: RCRA	Priority: 30 Days **PRIORITY**	Offsite Property No.

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

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

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B1X167 (F)		W	9-3-08	1148	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	6 Months	HNO3 to pH <2
B1X168		W	1	1	1x20-mL P	Activity Scan	6 Months	None
B1X169		W	9-3-08	1148	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	6 Months	HNO3 to pH <2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
RM Arnold	RM Arnold		SEP 0 3 2008 1400	FED EX			
FED EX				G-N			9/4/08 1000

Matrix *

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

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

P&D Submittal

June 28, 2011

TestAmerica St. Louis REVISION 2

SDG# SL751

FLUOR HANFORD

SL751

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-009-299

Page 1 of 1

Collector: D. J. Sparks	Contact/Requester: Mike Neely	Telephone No.: 509-373-0654 MSIN FAX
SAF No.: W08-009	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA SEPTEMBER 2008	HNF-N-506-17/42	Ice Chest No.: Bus-1056 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7760-7772-4579
Protocol: RCRA	Priority: 30 Days **PRIORITY**	Offsite Property No.

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

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B1X059 (F)		W	9/3/08	0827	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	6 Months	HNO3 to pH <2
B1X060		W	↓	↓	1x20-mL P	Activity Scan	6 Months	None
B1X061		W	↓	↓	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	6 Months	HNO3 to pH <2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
	D. J. Sparks	[signature]	1400 9/3/08	FedEx			
FedEx				B-21			9/4/08 1400

Matrix *

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

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

P&D Submittal

June 28, 2011

TestAmerica St. Louis REVISION 2

SDG# SL751

FLUOR HANFORD

SL751

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-009-279

Collector: D. J. Sparks	Contact/Requester: Mike Neely	Telephone No.: 509-373-0654 MSIN FAX
SAF No.: W08-009	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA SEPTEMBER 2008	HNF-N-506-17/42	Ice Chest No.: GWS-1050 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7960-7772-4579
Protocol: RCRA	Priority: 30 Days **PRIORITY**	Offsite Property No.

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

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ✓ No
Site-Wide Generator Knowledge Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B1X1F9 (F)		W	9/3/08	0712	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	6 Months	HNO3 to pH <2
B1X1H0		W			1x20-mL P	Activity Scan	6 Months	None
B1X1H9		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	6 Months	HNO3 to pH <2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
	D. J. Sparks		1400 9/3/08	FEDEX			
Relinquished By			Date/Time	Received By			Date/Time
FEDEX				B-Rl			9/4/08 1000
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

P&D Submittal

June 28, 2011

TestAmerica St. Louis REVISION 2

SDG# SL751

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-009-315

Collector: D. J. Sparks	Contact/Requester: Mike Neely	Telephone No.: 509-373-0654 MSIN FAX
SAF No.: W08-009	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA SEPTEMBER 2008	HNF-N-506-17/42	Ice Chest No.: GW3-1050 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7860-7792-4579
Protocol: RCRA	Priority: 30 Days **PRIORITY**	Offsite Property No.

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

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

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B1X069 (F)		W	9/3/08	0949	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	6 Months	HNO3 to pH <2
B1X070		W			1x20-mL P	Activity Scan	6 Months	None
B1X071		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	6 Months	HNO3 to pH <2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
D. J. Sparks			9/3/08 1400	FEDEX			
FEDEX				B-C			9/4/08 1000

Matrix *

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

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

P&D Submittal

June 28, 2011

TestAmerica St. Louis REVISION 2

SDG# SL751

FLUOR HANFORD

5L751

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-009-329

Page 1 of 1

Collector: D. J. Sparks	Contact/Requester: Mike Neely	Telephone No.: 509-373-0654 MSIN FAX
SAF No.: W08-009	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, SEPTEMBER 2008	HNF-N-506-17/43	Ice Chest No.: RW3-105 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7760-7772-4579
Protocol: RCRA	Priority: 30 Days PRIORITY	Offsite Property No.

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

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B1X079 (F)		W	9/3/08	1212	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	6 Months	HNO3 to pH <2
B1X080		W			1x20-mL P	Activity Scan	6 Months	None
B1X080		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	6 Months	HNO3 to pH <2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
	D. J. Sparks		9/3/08 1400	FEDEX			
Relinquished By: FEDEX			Date/Time	Received By: B. [illegible]			Date/Time: 9/4/08 1000
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

P&D Submittal

June 28, 2011

REVISION 2

TestAmerica St. Louis

SDG# SL7511

FLUOR HANFORD

51751

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-009-337

Page 1 of 1

Collector: D. J. Sparks	Contact/Requester: Mike Neely	Telephone No.: 509-373-0654 MSIN FAX
SAF No.: W08-009	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA SEPTEMBER 2008	HNF-N-506-17/42443	Ice Chest No.: AWS-1050 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7960-7792-4579
Protocol: RCRA	Priority: 30 Days **PRIORITY**	Offsite Property No.

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

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B1X084 (F)		W	9/3/08	1024	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	6 Months	HNO3 to pH <2
B1X085		W	↓	↓	1x20-mL P	Activity Scan	6 Months	None
B1X086		W	↓	↓	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	6 Months	HNO3 to pH <2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
	D. J. Sparks	[signature]	9/3/08 1400	Fedex			
Relinquished By: Fed Ex			Date/Time	Received By: B. N.			Date/Time: 9/4/08 1000
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

P&D Submittal

June 28, 2011

TestAmerica St. Louis REVISION 2

SDG# SL751

FLUOR HANFORD

SL751

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-009-307

Page 1 of 1

Collector: D. J. Sparks	Contact/Requester: Mike Neely	Telephone No.: 509-373-0654 MSIN FAX
SAF No.: W08-009	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, SEPTEMBER 2008	HNF-N-506-17/43	Ice Chest No.: BWS-1050 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7960-7792-4579
Protocol: RCRA	Priority: 30 Days **PRIORITY**	Offsite Property No.

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

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B1X064 (F)		W	9/3/08	1115	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	6 Months	HNO3 to pH <2
B1X065		W			1x20-mL P	Activity Scan	6 Months	None
B1X066		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	6 Months	HNO3 to pH <2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
	D. J. Sparks		9/3/08 1400	FEDEX			
FEDEX							9/4/08 1000

Matrix *

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

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

P&D Submittal

June 28, 2011

TestAmerica St. Louis REVISION 4

IMPORTANT!
Severe weather may cause some service delays and disruptions along the Gulf Coast. Learn more

Track Shipments/FedEx Kinko's Orders

Detailed Results

Tracking number	796077940071	**Reference**	GWS-028
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	Sep 3, 2008	**Delivered to**	Shipping/Receiving
Delivery date	Sep 4, 2008 10:05 AM	**Service type**	Priority Overnight
		Weight	45.0 lbs.
Status	Delivered		
Signature image available	Yes		

Date/Time		Activity	Location
Sep 4, 2008	10:05 AM	**Delivered**	Earth City, MO
	7:39 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	7:34 AM	At local FedEx facility	EARTH CITY, MO
	7:23 AM	At dest sort facility	BERKELEY, MO
	5:42 AM	Departed FedEx location	MEMPHIS, TN
Sep 3, 2008	5:22 PM	Left FedEx origin facility	PASCO, WA
	4:17 PM	Picked up	PASCO, WA
	4:13 PM	Package data transmitted to FedEx	

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

Subscribe to tracking updates (optional)

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

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

Select format: HTML Text Wireless

Add personal message:

Not available for Wireless or non-English characters.

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

IMPORTANT!
Severe weather may cause some service delays and disruptions along the Gulf Coast. Learn more

Track Shipments/FedEx Kinko's Orders

Detailed Results

Tracking number	796077924579	**Reference**	GWS-1050
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	Sep 3, 2008	**Delivered to**	Shipping/Receiving
Delivery date	Sep 4, 2008 10:05 AM	**Service type**	Priority Overnight
		Weight	76.0 lbs.
Status	Delivered		
Signature image available	Yes		

Date/Time		Activity	Location
Sep 4, 2008	10:05 AM	**Delivered**	Earth City, MO
	7:38 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	7:33 AM	At local FedEx facility	EARTH CITY, MO
	7:23 AM	At dest sort facility	BERKELEY, MO
	5:42 AM	Departed FedEx location	MEMPHIS, TN
	1:11 AM	Arrived at FedEx location	MEMPHIS, TN
Sep 3, 2008	5:22 PM	Left FedEx origin facility	PASCO, WA
	4:17 PM	Picked up	PASCO, WA
	4:07 PM	Package data transmitted to FedEx	

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

Subscribe to tracking updates (optional)

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

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

Select format: HTML Text Wireless

Add personal message:

Not available for Wireless or non-English characters.

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

P&D Submittal

June 28, 2011

Lot #: E8I040022
239
267
050105

Condition Upon Receipt Form

Client: Hanford
Quote No: 80692, 80697
COC/RFA No: See below
Initiated By: BL
Date: 9/4/18
Time: 1200

Shipping Information

Shipper Name: FE

Shipping # (s):*

1. 7970 7703 6200
2. 7960 7792 1406
3. 7793 4801
4. 7792 4579
5. 7794 0071
6. 7960 7793 1710
7. 7970 7704 5340
8.
9.
10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

Multiple Packages (Y) N

Sample Temperature (s):**

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

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

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

1.	(Y) N	Are there custody seals present on the cooler?	8.	(Y) N	Are there custody seals present on bottles?
2.	Y (N) N/A	Do custody seals on cooler appear to be tampered with?	9.	Y (N) N/A	Do custody seals on bottles appear to be tampered with?
3.	(Y) N	Were contents of cooler frisked after opening, but before unpacking?	10.	(Y) N N/A	Was sample received with proper pH[1]? (If not, make note below)
4.	(Y) N	Sample received with Chain of Custody?	11.	Y N	If N/A- Was pH taken by original TestAmerica lab?
5.	(Y) N N/A	Does the Chain of Custody match sample ID's on the container(s)?	12.	(Y) N	Sample received in proper containers?
6.	Y (N)	Was sample received broken?	13.	Y N (N/A)	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)
7.	(Y) N	Is sample volume sufficient for analysis?	14.	Y N	Was Internal COC/Workshare received?

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

Notes:
1. W08-009-7, 105, 117, 111
2. I08-058-108, 109, 106, W08-009-81, 43, 73, 55
3. I06-058-110, W08-009-23, 99
4. I08-058-115, W08-009-299, 279, 315, 329, 337, 307, 11
5. W09-009-141, 205, 206, 197, 133, 149
6. W08-009-125, 189, 181, 223, 217, 211
7. W08-009-24, 27, 15

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

Project Management Review: _____ Date: _____

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

GC/MS SEMIVOLATILES

Fluor Hanford Inc

Client Sample ID: B1WKK6

GC/MS Semivolatiles

Lot-Sample #...: F8I030139-001 **Work Order #...:** KV6RK1AC **Matrix.....:** WATER
Date Sampled...: 08/29/08 **Date Received..:** 09/02/08
Prep Date.....: 09/03/08 **Analysis Date..:** 09/08/08
Prep Batch #...: 8247479
Dilution Factor: 1 **Method.....:** SW846 8270C

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	36	(15 - 78)
Phenol-d5	21	(15 - 63)
Nitrobenzene-d5	50	(20 - 103)
2-Fluorobiphenyl	50	(20 - 103)
2,4,6-Tribromophenol	73	(20 - 110)
Terphenyl-d14	70	(15 - 114)

Fluor Hanford Inc

B1WKK6

GC/MS Semivolatiles

Lot-Sample #: F8I030139-001 **Work Order #:** KV6RK1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown aldol condensate		62	M	4.0254	ug/L
Unknown		5.4	M	4.6718	ug/L

NOTE(S):

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

Fluor Hanford Inc

Client Sample ID: B1WDN7

GC/MS Semivolatiles

Lot-Sample #...: F8I030174-001 **Work Order #...:** KV64G1AA **Matrix.....:** WATER
Date Sampled...: 08/29/08 **Date Received..:** 09/03/08
Prep Date.....: 09/03/08 **Analysis Date..:** 09/08/08
Prep Batch #...: 8247479
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
3-Methylphenol & 4-Methylphenol	ND	20	ug/L	1.0
Methylphenols (total)	ND	30	ug/L	3.0
2-Picoline	ND	20	ug/L	1.0
Phenol	ND	10	ug/L	4.0
1,4-Dichlorobenzene	ND	10	ug/L	1.0
2-Methylphenol	ND	10	ug/L	2.0
2-Nitrophenol	ND	10	ug/L	1.0
2,4-Dichlorophenol	ND	10	ug/L	1.0
Naphthalene	ND	10	ug/L	1.0
Pentachlorophenol	ND	50	ug/L	2.0
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	1.0
Benzothiazole	ND	10	ug/L	1.0
Tributyl phosphate	ND	10	ug/L	1.5
Tris(2-chloroethyl)phosphate	ND	10	ug/L	1.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	40	(15 - 78)
Phenol-d5	24	(15 - 63)
Nitrobenzene-d5	56	(20 - 103)
2-Fluorobiphenyl	57	(20 - 103)
2,4,6-Tribromophenol	73	(20 - 110)
Terphenyl-d14	63	(15 - 114)

Fluor Hanford Inc

B1WDN7

GC/MS Semivolatiles

Lot-Sample #: F8I030174-001 **Work Order #:** KV64G1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown aldol condensate		93	M	4.0398	ug/L

NOTE(S):

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

Fluor Hanford Inc

Client Sample ID: B1WDN1

GC/MS Semivolatiles

Lot-Sample #...: F8I030174-002 **Work Order #...:** KV7C71AA **Matrix.....:** WATER
Date Sampled...: 08/26/08 **Date Received..:** 09/03/08
Prep Date.....: 09/03/08 **Analysis Date..:** 09/08/08
Prep Batch #...: 8247479
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
3-Methylphenol & 4-Methylphenol	ND	20	ug/L	1.0
Methylphenols (total)	ND	30	ug/L	3.0
2-Picoline	ND	20	ug/L	1.0
Phenol	ND	10	ug/L	4.0
1,4-Dichlorobenzene	ND	10	ug/L	1.0
2-Methylphenol	ND	10	ug/L	2.0
2-Nitrophenol	ND	10	ug/L	1.0
2,4-Dichlorophenol	ND	10	ug/L	1.0
Naphthalene	ND	10	ug/L	1.0
Pentachlorophenol	ND	50	ug/L	2.0
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	1.0
Benzothiazole	ND	10	ug/L	1.0
Tributyl phosphate	ND	10	ug/L	1.5
Tris(2-chloroethyl)phosphate	ND	10	ug/L	1.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	41	(15 - 78)
Phenol-d5	25	(15 - 63)
Nitrobenzene-d5	56	(20 - 103)
2-Fluorobiphenyl	55	(20 - 103)
2,4,6-Tribromophenol	79	(20 - 110)
Terphenyl-d14	68	(15 - 114)

Fluor Hanford Inc

B1WDN1

GC/MS Semivolatiles

Lot-Sample #: F8I030174-002 **Work Order #:** KV7C71AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown aldol condensate		79	M	4.0399	ug/L
Unknown		6.7	M	4.6863	ug/L

NOTE(S):

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

Fluor Hanford Inc

Client Sample ID: B1VMJ8

GC/MS Semivolatiles

Lot-Sample #...: F8I030179-001 Work Order #...: KV6471AA Matrix.....: WATER
Date Sampled...: 08/27/08 Date Received..: 09/03/08
Prep Date.....: 09/03/08 Analysis Date..: 09/08/08
Prep Batch #...: 8247479
Dilution Factor: 1 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
3-Methylphenol & 4-Methylphenol	ND	20	ug/L	1.0
2-Picoline	ND	20	ug/L	1.0
Phenol	ND	10	ug/L	4.0
1,4-Dichlorobenzene	ND	10	ug/L	1.0
2-Methylphenol	ND	10	ug/L	2.0
2-Nitrophenol	ND	10	ug/L	1.0
2,4-Dichlorophenol	ND	10	ug/L	1.0
Naphthalene	ND	10	ug/L	1.0
Pentachlorophenol	ND	50	ug/L	2.0
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	1.0
Benzothiazole	ND	10	ug/L	1.0
Tributyl phosphate	**5.6 J**	**10**	**ug/L**	**1.5**
Tris(2-chloroethyl)phosphate	ND	10	ug/L	1.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	40	(15 - 78)
Phenol-d5	24	(15 - 63)
Nitrobenzene-d5	56	(20 - 103)
2-Fluorobiphenyl	55	(20 - 103)
2,4,6-Tribromophenol	75	(20 - 110)
Terphenyl-d14	62	(15 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

Fluor Hanford Inc

B1VMJ8

GC/MS Semivolatiles

Lot-Sample #: F8I030179-001 **Work Order #:** KV6471AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown aldol condensate		59	M	4.0347	ug/L

NOTE(S):

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

Fluor Hanford Inc

Client Sample ID: B1VML0

GC/MS Semivolatiles

Lot-Sample #...: F8I030179-002 **Work Order #...:** KV7F01AA **Matrix.....:** WATER
Date Sampled...: 08/27/08 **Date Received..:** 09/03/08
Prep Date.....: 09/03/08 **Analysis Date..:** 09/08/08
Prep Batch #...: 8247479
Dilution Factor: 1 **Method.....:** SW846 8270C

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	37	(15 - 78)
Phenol-d5	22	(15 - 63)
Nitrobenzene-d5	53	(20 - 103)
2-Fluorobiphenyl	51	(20 - 103)
2,4,6-Tribromophenol	64	(20 - 110)
Terphenyl-d14	52	(15 - 114)

Fluor Hanford Inc

B1VML0

GC/MS Semivolatiles

Lot-Sample #: F8I030179-002 **Work Order #:** KV7F01AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown aldol condensate		21	M	4.0328	ug/L

NOTE(S):

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

Fluor Hanford Inc

Client Sample ID: B1VML2

GC/MS Semivolatiles

Lot-Sample #...: F8I030179-003 **Work Order #...:** KV7F81AA **Matrix.....:** WATER
Date Sampled...: 08/27/08 **Date Received..:** 09/03/08
Prep Date.....: 09/03/08 **Analysis Date..:** 09/08/08
Prep Batch #...: 8247479
Dilution Factor: 1 **Method.....:** SW846 8270C

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	34	(15 - 78)
Phenol-d5	21	(15 - 63)
Nitrobenzene-d5	50	(20 - 103)
2-Fluorobiphenyl	43	(20 - 103)
2,4,6-Tribromophenol	66	(20 - 110)
Terphenyl-d14	61	(15 - 114)

Fluor Hanford Inc

B1VML2

GC/MS Semivolatiles

Lot-Sample #: F8I030179-003 **Work Order #:** KV7F81AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown aldol condensate		34	M	4.0249	ug/L

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: SL751 **Work Order #...:** KV8L11AA **Matrix.....:** WATER
MB Lot-Sample #: F8I030000-479

Prep Date.....: 09/03/08
Analysis Date..: 09/08/08 **Prep Batch #...:** 8247479
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,4-Dioxane	ND	10	ug/L	SW846 8270C
Methylphenols (total)	ND	30	ug/L	SW846 8270C
Phenol	ND	10	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	20	ug/L	SW846 8270C
2-Picoline	ND	20	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
Pentachlorophenol	ND	50	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270C
Benzothiazole	ND	10	ug/L	SW846 8270C
Tributyl phosphate	ND	10	ug/L	SW846 8270C
Tris(2-chloroethyl)phosph	ND	10	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	35	(15 - 78)
Phenol-d5	21	(15 - 63)
Nitrobenzene-d5	48	(20 - 103)
2-Fluorobiphenyl	47	(20 - 103)
2,4,6-Tribromophenol	63	(20 - 110)
Terphenyl-d14	52	(15 - 114)

NOTE(S):

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

Fluor Hanford Inc

Method Blank Report

GC/MS Semivolatiles

Lot-Sample #: F8I030000-479 B **Work Order #:** KV8L11AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown aldol condensate		27	M	4.0287	ug/L

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: F8I030179 Work Order #...: KV8L11AC Matrix.....: WATER
LCS Lot-Sample#: F8I030000-479
Prep Date.....: 09/03/08 Analysis Date..: 09/08/08
Prep Batch #...: 8247479
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
3-Methylphenol & 4-Methylphenol	**100**	**62.0**	**ug/L**	**62**	**SW846 8270C**
Phenol	**100**	**29.2**	**ug/L**	**29**	**SW846 8270C**
1,4-Dichlorobenzene	**100**	**43.4**	**ug/L**	**43**	**SW846 8270C**
2-Methylphenol	**100**	**61.9**	**ug/L**	**62**	**SW846 8270C**
2-Nitrophenol	**100**	**68.2**	**ug/L**	**68**	**SW846 8270C**
2,4-Dichlorophenol	**100**	**73.6**	**ug/L**	**74**	**SW846 8270C**
Naphthalene	**100**	**50.3**	**ug/L**	**50**	**SW846 8270C**
Pentachlorophenol	**100**	**62.6**	**ug/L**	**63**	**SW846 8270C**
bis(2-Ethylhexyl) phthalate	**100**	**61.4**	**ug/L**	**61**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	43	(15 - 58)
Phenol-d5	28	(10 - 39)
Nitrobenzene-d5	58	(22 - 94)
2-Fluorobiphenyl	58	(20 - 97)
2,4,6-Tribromophenol	81	(23 - 102)
Terphenyl-d14	66	(30 - 114)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: F8I030179 Work Order #...: KV6471AC-MS Matrix.....: WATER
MS Lot-Sample #: F8I030179-001 KV6471AD-MSD
Date Sampled...: 08/27/08 Date Received..: 09/03/08
Prep Date.....: 09/03/08 Analysis Date..: 09/08/08
Prep Batch #...: 8247479
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
3-Methylphenol & 4-Methylphenol	ND	95.2	54.4	ug/L	57		SW846 8270C
	ND	96.4	61.6	ug/L	64	12	SW846 8270C
Phenol	ND	95.2	25.6	ug/L	27		SW846 8270C
	ND	96.4	27.6	ug/L	29	7.2	SW846 8270C
1,4-Dichlorobenzene	ND	95.2	45.8	ug/L	48		SW846 8270C
	ND	96.4	47.2	ug/L	49	3.0	SW846 8270C
2-Methylphenol	ND	95.2	55.2	ug/L	58		SW846 8270C
	ND	96.4	61.5	ug/L	64	11	SW846 8270C
2-Nitrophenol	ND	95.2	63.4	ug/L	67		SW846 8270C
	ND	96.4	68.4	ug/L	71	7.6	SW846 8270C
2,4-Dichlorophenol	ND	95.2	65.9	ug/L	69		SW846 8270C
	ND	96.4	74.9	ug/L	78	13	SW846 8270C
Naphthalene	ND	95.2	53.7	ug/L	56		SW846 8270C
	ND	96.4	57.5	ug/L	60	6.9	SW846 8270C
Pentachlorophenol	ND	95.2	62.1	ug/L	65		SW846 8270C
	ND	96.4	69.6	ug/L	72	11	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	95.2	56.7	ug/L	60		SW846 8270C
	ND	96.4	63.4	ug/L	66	11	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	41	(15 - 78)
	42	(15 - 78)
Phenol-d5	27	(15 - 63)
	28	(15 - 63)
Nitrobenzene-d5	58	(20 - 103)
	60	(20 - 103)
2-Fluorobiphenyl	64	(20 - 103)
	71	(20 - 103)
2,4,6-Tribromophenol	78	(20 - 110)
	86	(20 - 110)
Terphenyl-d14	63	(15 - 114)
	70	(15 - 114)

NOTE(S):

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

Bold print denotes control parameters

METALS

Fluor Hanford Inc

Client Sample ID: B1X1B6

DISSOLVED Metals

Lot-Sample #...: F8I040229-001 Matrix.....: WATER
Date Sampled...: 09/03/08 Date Received..: 09/04/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8261087						
Antimony	ND	60.0	ug/L	SW846 6010B	09/17-09/18/08	KV9R01AA
		Dilution Factor: 1		MDL.....: 4.0		
Barium	58.8 B	200	ug/L	SW846 6010B	09/17-09/18/08	KV9R01AC
		Dilution Factor: 1		MDL.....: 0.85		
Beryllium	ND	5.0	ug/L	SW846 6010B	09/17-09/18/08	KV9R01AD
		Dilution Factor: 1		MDL.....: 0.50		
Cadmium	ND	5.0	ug/L	SW846 6010B	09/17-09/18/08	KV9R01AE
		Dilution Factor: 1		MDL.....: 0.45		
Calcium	99500 ~~C~~ (WSE 6-28-2011)	25000	ug/L	SW846 6010B	09/17-09/18/08	KV9R01AF
		Dilution Factor: 5		MDL.....: 93.0		
Chromium	ND	10.0	ug/L	SW846 6010B	09/17-09/18/08	KV9R01AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	09/17-09/18/08	KV9R01AH
		Dilution Factor: 1		MDL.....: 4.0		
Copper	ND	25.0	ug/L	SW846 6010B	09/17-09/18/08	KV9R01AJ
		Dilution Factor: 1		MDL.....: 4.6		
Iron	ND	100	ug/L	SW846 6010B	09/17-09/18/08	KV9R01AK
		Dilution Factor: 1		MDL.....: 16.0		
Magnesium	28100 D	25000	ug/L	SW846 6010B	09/17-09/18/08	KV9R01AL
		Dilution Factor: 5		MDL.....: 550		
Manganese	1.4 B	15.0	ug/L	SW846 6010B	09/17-09/18/08	KV9R01AM
		Dilution Factor: 1		MDL.....: 0.96		
Nickel	ND	40.0	ug/L	SW846 6010B	09/17-09/18/08	KV9R01AN
		Dilution Factor: 1		MDL.....: 13.3		
Potassium	8980 C	5000	ug/L	SW846 6010B	09/17-09/18/08	KV9R01AP
		Dilution Factor: 1		MDL.....: 1650		
Silver	ND	10.0	ug/L	SW846 6010B	09/17-09/18/08	KV9R01AQ
		Dilution Factor: 1		MDL.....: 6.0		

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Fluor Hanford Inc

Client Sample ID: B1X1B6

DISSOLVED Metals

Lot-Sample #...: F8I040229-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	17500	5000	ug/L	SW846 6010B	09/17-09/18/08	KV9R01AR
		Dilution Factor: 1		MDL.....: 134		
Strontium	527 D (WSE 6-29-2011)	250	ug/L	SW846 6010B	09/17-09/18/08	KV9R01AT
		Dilution Factor: 5		MDL.....: 2.7		
Vanadium	14.0 B	50.0	ug/L	SW846 6010B	09/17-09/18/08	KV9R01AU
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	ND	20.0	ug/L	SW846 6010B	09/17-09/18/08	KV9R01AV
		Dilution Factor: 1		MDL.....: 5.2		

NOTE(S):

B Estimated result. Result is less than RL.

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

Fluor Hanford Inc

Client Sample ID: B1X1B7

TOTAL Metals

Lot-Sample #...: F8I040229-002 Matrix.....: WATER
Date Sampled...: 09/03/08 Date Received..: 09/04/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8260237						
Antimony	ND	60.0	ug/L	SW846 6010B	09/16-09/17/08	KV9R41AC
		Dilution Factor: 1		MDL.....: 4.0		
Barium	59.1 B	200	ug/L	SW846 6010B	09/16-09/17/08	KV9R41AD
		Dilution Factor: 1		MDL.....: 0.85		
Beryllium	ND	5.0	ug/L	SW846 6010B	09/16-09/17/08	KV9R41AE
		Dilution Factor: 1		MDL.....: 0.50		
Cadmium	ND	5.0	ug/L	SW846 6010B	09/16-09/17/08	KV9R41AF
		Dilution Factor: 1		MDL.....: 0.45		
Calcium	95700 D	25000	ug/L	SW846 6010B	09/16-09/17/08	KV9R41AG
		Dilution Factor: 5		MDL.....: 93.0		
Chromium	ND	10.0	ug/L	SW846 6010B	09/16-09/17/08	KV9R41AH
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	09/16-09/17/08	KV9R41AJ
		Dilution Factor: 1		MDL.....: 4.0		
Copper	ND	25.0	ug/L	SW846 6010B	09/16-09/17/08	KV9R41AK
		Dilution Factor: 1		MDL.....: 4.6		
Iron	122	100	ug/L	SW846 6010B	09/16-09/17/08	KV9R41AL
		Dilution Factor: 1		MDL.....: 16.0		
Magnesium	27100 D	25000	ug/L	SW846 6010B	09/16-09/17/08	KV9R41AM
		Dilution Factor: 5		MDL.....: 550		
Manganese	ND	15.0	ug/L	SW846 6010B	09/16-09/17/08	KV9R41AN
		Dilution Factor: 1		MDL.....: 0.96		
Nickel	ND	40.0	ug/L	SW846 6010B	09/16-09/17/08	KV9R41AP
		Dilution Factor: 1		MDL.....: 13.3		
Potassium	7190	5000	ug/L	SW846 6010B	09/16-09/17/08	KV9R41AQ
		Dilution Factor: 1		MDL.....: 1650		
Silver	ND	10.0	ug/L	SW846 6010B	09/16-09/17/08	KV9R41AR
		Dilution Factor: 1		MDL.....: 6.0		

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Fluor Hanford Inc

Client Sample ID: B1X1B7

TOTAL Metals

Lot-Sample #...: F8I040229-002 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	16900	5000	ug/L	SW846 6010B	09/16-09/17/08	KV9R41AT
		Dilution Factor: 1		MDL.....: 134		
Strontium	499 D WSE 6-28-2011	250	ug/L	SW846 6010B	09/16-09/17/08	KV9R41AU
		Dilution Factor: 5		MDL.....: 2.7		
Vanadium	14.6 B	50.0	ug/L	SW846 6010B	09/16-09/17/08	KV9R41AV
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	ND	20.0	ug/L	SW846 6010B	09/16-09/17/08	KV9R41AW
		Dilution Factor: 1		MDL.....: 5.2		

NOTE(S):

B Estimated result. Result is less than RL.

Fluor Banford Inc

Client Sample ID: B1X1C0

DISSOLVED Metals

Lot-Sample #...: F8I040229-003 Matrix.....: WATER
Date Sampled...: 09/03/08 Date Received..: 09/04/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8261087						
Antimony	ND	60.0	ug/L	SW846 6010B	09/17-09/18/08	KV9R71AA
		Dilution Factor: 1		MDL.....: 4.0		
Barium	**58.2 B**	**200**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9R71AC**
		Dilution Factor: 1		MDL.....: 0.85		
Beryllium	ND	5.0	ug/L	SW846 6010B	09/17-09/18/08	KV9R71AD
		Dilution Factor: 1		MDL.....: 0.50		
Cadmium	ND	5.0	ug/L	SW846 6010B	09/17-09/18/08	KV9R71AE
		Dilution Factor: 1		MDL.....: 0.45		
Calcium	WSE 6-28-2011 **99100 ~~C~~,D**	**25000**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9R71AF**
		Dilution Factor: 5		MDL.....: 93.0		
Chromium	ND	10.0	ug/L	SW846 6010B	09/17-09/18/08	KV9R71AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	09/17-09/18/08	KV9R71AH
		Dilution Factor: 1		MDL.....: 4.0		
Copper	ND	25.0	ug/L	SW846 6010B	09/17-09/18/08	KV9R71AJ
		Dilution Factor: 1		MDL.....: 4.6		
Iron	ND	100	ug/L	SW846 6010B	09/17-09/18/08	KV9R71AK
		Dilution Factor: 1		MDL.....: 16.0		
Magnesium	**26300**	**5000**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9R71AL**
		Dilution Factor: 1		MDL.....: 110		
Manganese	ND	15.0	ug/L	SW846 6010B	09/17-09/18/08	KV9R71AM
		Dilution Factor: 1		MDL.....: 0.96		
Nickel	ND	40.0	ug/L	SW846 6010B	09/17-09/18/08	KV9R71AN
		Dilution Factor: 1		MDL.....: 13.3		
Potassium	**8700 C**	**5000**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9R71AP**
		Dilution Factor: 1		MDL.....: 1650		
Silver	ND	10.0	ug/L	SW846 6010B	09/17-09/18/08	KV9R71AQ
		Dilution Factor: 1		MDL.....: 6.0		

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Fluor Hanford Inc

Client Sample ID: B1X1C0

DISSOLVED Metals

Lot-Sample #...: F8I040229-003 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	17000	5000	ug/L	SW846 6010B	09/17-09/18/08	KV9R71AR
		Dilution Factor: 1		MDL.....: 134		
Strontium	514 D	250	ug/L	SW846 6010B	09/17-09/18/08	KV9R71AT
		Dilution Factor: 5		MDL.....: 2.7		
Vanadium	13.2 B	50.0	ug/L	SW846 6010B	09/17-09/18/08	KV9R71AU
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	5.9 B,C	20.0	ug/L	SW846 6010B	09/17-09/18/08	KV9R71AV
		Dilution Factor: 1		MDL.....: 5.2		

NOTE(S):

B Estimated result. Resuk is less than RL.

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

D Result was obtained from the analysis of a dilution.

Fluor Hanford Inc

Client Sample ID: B1X1C1

TOTAL Metals

Lot-Sample #...: F8I040229-004 **Matrix.....:** WATER
Date Sampled...: 09/03/08 **Date Received..:** 09/04/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8260237						
Antimony	ND	60.0	ug/L	SW846 6010B	09/16-09/17/08	KV9R81AC
		Dilution Factor: 1		MDL.....: 4.0		
Barium	**59.3 B**	**200**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9R81AD**
		Dilution Factor: 1		MDL.....: 0.85		
Beryllium	ND	5.0	ug/L	SW846 6010B	09/16-09/17/08	KV9R81AE
		Dilution Factor: 1		MDL.....: 0.50		
Cadmium	ND	5.0	ug/L	SW846 6010B	09/16-09/17/08	KV9R81AF
		Dilution Factor: 1		MDL.....: 0.45		
Calcium	**92300 D**	**25000**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9R81AG**
		Dilution Factor: 5		MDL.....: 93.0		
Chromium	ND	10.0	ug/L	SW846 6010B	09/16-09/17/08	KV9R81AH
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	09/16-09/17/08	KV9R81AJ
		Dilution Factor: 1		MDL.....: 4.0		
Copper	ND	25.0	ug/L	SW846 6010B	09/16-09/17/08	KV9R81AK
		Dilution Factor: 1		MDL.....: 4.6		
Iron	**69.9 B**	**100**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9R81AL**
		Dilution Factor: 1		MDL.....: 16.0		
Magnesium	**26400**	**5000**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9R81AM**
		Dilution Factor: 1		MDL.....: 110		
Manganese	ND	15.0	ug/L	SW846 6010B	09/16-09/17/08	KV9R81AN
		Dilution Factor: 1		MDL.....: 0.96		
Nickel	ND	40.0	ug/L	SW846 6010B	09/16-09/17/08	KV9R81AP
		Dilution Factor: 1		MDL.....: 13.3		
Potassium	**8720**	**5000**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9R81AQ**
		Dilution Factor: 1		MDL.....: 1650		
Silver	ND	10.0	ug/L	SW846 6010B	09/16-09/17/08	KV9R81AR
		Dilution Factor: 1		MDL.....: 6.0		

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Fluor Hanford Inc

Client Sample ID: B1X1C1

TOTAL Metals

Lot-Sample #...: F8I040229-004 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	17000	5000	ug/L	SW846 6010B	09/16-09/17/08	KV9R81AT
		Dilution Factor: 1		MDL.....: 134		
Strontium	497 D	250	ug/L	SW846 6010B	09/16-09/17/08	KV9R81AU
		Dilution Factor: 5		MDL.....: 2.7		
Vanadium	14.6 B	50.0	ug/L	SW846 6010B	09/16-09/17/08	KV9R81AV
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	ND	20.0	ug/L	SW846 6010B	09/16-09/17/08	KV9R81AW
		Dilution Factor: 1		MDL.....: 5.2		

NOTE(S):

B Estimated result. Result is less than RL.

D Result was obtained from the analysis of a dilution.

Fluor Hanford Inc

Client Sample ID: B1X1B1

DISSOLVED Metals

Lot-Sample #...: F8I040229-005 Matrix.....: WATER
Date Sampled...: 09/03/08 Date Received..: 09/04/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8261087						
Antimony	ND	60.0	ug/L	SW846 6010B	09/17-09/18/08	KV9R91AA
		Dilution Factor: 1		MDL.....: 4.0		
Barium	**52.0 B**	**200**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9R91AC**
		Dilution Factor: 1		MDL.....: 0.85		
Beryllium	ND	5.0	ug/L	SW846 6010B	09/17-09/18/08	KV9R91AD
		Dilution Factor: 1		MDL.....: 0.50		
Cadmium	ND	5.0	ug/L	SW846 6010B	09/17-09/18/08	KV9R91AE
		Dilution Factor: 1		MDL.....: 0.45		
	WSE 6-28-2011					
Calcium	**66700 ~~C~~ D**	**25000**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9R91AF**
		Dilution Factor: 5		MDL.....: 93.0		
Chromium	**4.7 B**	**10.0**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9R91AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	09/17-09/18/08	KV9R91AH
		Dilution Factor: 1		MDL.....: 4.0		
Copper	ND	25.0	ug/L	SW846 6010B	09/17-09/18/08	KV9R91AJ
		Dilution Factor: 1		MDL.....: 4.6		
Iron	ND	100	ug/L	SW846 6010B	09/17-09/18/08	KV9R91AK
		Dilution Factor: 1		MDL.....: 16.0		
Magnesium	**18400**	**5000**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9R91AL**
		Dilution Factor: 1		MDL.....: 110		
Manganese	**1.3 B**	**15.0**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9R91AM**
		Dilution Factor: 1		MDL.....: 0.96		
Nickel	ND	40.0	ug/L	SW846 6010B	09/17-09/18/08	KV9R91AN
		Dilution Factor: 1		MDL.....: 13.3		
Potassium	**8150 C**	**5000**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9R91AP**
		Dilution Factor: 1		MDL.....: 1650		
Silver	ND	10.0	ug/L	SW846 6010B	09/17-09/18/08	KV9R91AQ
		Dilution Factor: 1		MDL.....: 6.0		

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Fluor Hanford Inc

Client Sample ID: B1X1B1

DISSOLVED Metals

Lot-Sample #...: F8I040229-005 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**14000**	**5000**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9R91AR**
		Dilution Factor: 1		MDL.....: 134		
Strontium	**324 D**	**250**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9R91AT**
		Dilution Factor: 5		MDL.....: 2.7		
Vanadium	**15.8 B**	**50.0**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9R91AU**
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	ND	20.0	ug/L	SW846 6010B	09/17-09/18/08	KV9R91AV
		Dilution Factor: 1		MDL.....: 5.2		

NOTE(S):

B Estimated result. Result is less than RL.

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

D Result was obtained from the analysis of a dilution.

Fluor Hanford Inc

Client Sample ID: B1X1B2

TOTAL Metals

Lot-Sample #...: F8I040229-006 **Matrix.....:** WATER
Date Sampled...: 09/03/08 **Date Received..:** 09/04/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8260237						
Antimony	ND	60.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TF1AC
		Dilution Factor: 1		MDL.....: 4.0		
Barium	**55.5 B**	**200**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9TF1AD**
		Dilution Factor: 1		MDL.....: 0.85		
Beryllium	ND	5.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TF1AE
		Dilution Factor: 1		MDL.....: 0.50		
Cadmium	ND	5.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TF1AF
		Dilution Factor: 1		MDL.....: 0.45		
Calcium	**67700 D**	**25000**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9TF1AG**
		Dilution Factor: 5		MDL.....: 93.0		
Chromium	**5.5 B**	**10.0**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9TF1AH**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TF1AJ
		Dilution Factor: 1		MDL.....: 4.0		
Copper	ND	25.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TF1AK
		Dilution Factor: 1		MDL.....: 4.6		
Iron	ND	100	ug/L	SW846 6010B	09/16-09/17/08	KV9TF1AL
		Dilution Factor: 1		MDL.....: 16.0		
Magnesium	**19900**	**5000**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9TF1AM**
		Dilution Factor: 1		MDL.....: 110		
Manganese	ND	15.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TF1AN
		Dilution Factor: 1		MDL.....: 0.96		
Nickel	ND	40.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TF1AP
		Dilution Factor: 1		MDL.....: 13.3		
Potassium	**8570**	**5000**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9TF1AQ**
		Dilution Factor: 1		MDL.....: 1650		
Silver	ND	10.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TF1AR
		Dilution Factor: 1		MDL.....: 6.0		

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Fluor Hanford Inc

Client Sample ID: B1X1B2

TOTAL Metals

Lot-Sample #...: F8I040229-006 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	15000	5000	ug/L	SW846 6010B	09/16-09/17/08	KV9TF1AT
		Dilution Factor: 1		MDL.....: 134		
Strontium	337 D	250	ug/L	SW846 6010B	09/16-09/17/08	KV9TF1AU
		Dilution Factor: 5		MDL.....: 2.7		
Vanadium	18.1 B	50.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TF1AV
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	5.6 B	20.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TF1AW
		Dilution Factor: 1		MDL.....: 5.2		

NOTE(S):

B Estimated result. Result is less than RL.

D Result was obtained from the analysis of a dilution.

Fluor Hanford Inc

Client Sample ID: B1X157

DISSOLVED Metals

Lot-Sample #...: F8I040229-007 Matrix.....: WATER
Date Sampled...: 09/03/08 Date Received..: 09/04/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8261087						
Antimony	ND	60.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TG1AA
		Dilution Factor: 1		MDL.....: 4.0		
Barium	**39.2 B**	**200**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9TG1AC**
		Dilution Factor: 1		MDL.....: 0.85		
Beryllium	ND	5.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TG1AD
		Dilution Factor: 1		MDL.....: 0.50		
Cadmium	ND	5.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TG1AE
		Dilution Factor: 1		MDL.....: 0.45		
WSE 6-28-2011						
Calcium	**44800 Ø**	**5000**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9TG1AF**
		Dilution Factor: 1		MDL.....: 18.6		
Chromium	ND	10.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TG1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TG1AH
		Dilution Factor: 1		MDL.....: 4.0		
Copper	ND	25.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TG1AJ
		Dilution Factor: 1		MDL.....: 4.6		
Iron	ND	100	ug/L	SW846 6010B	09/17-09/18/08	KV9TG1AK
		Dilution Factor: 1		MDL.....: 16.0		
Magnesium	**12900**	**5000**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9TG1AL**
		Dilution Factor: 1		MDL.....: 110		
Manganese	ND	15.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TG1AM
		Dilution Factor: 1		MDL.....: 0.96		
Nickel	ND	40.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TG1AN
		Dilution Factor: 1		MDL.....: 13.3		
Potassium	**8320 C**	**5000**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9TG1AP**
		Dilution Factor: 1		MDL.....: 1650		
Silver	ND	10.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TG1AQ
		Dilution Factor: 1		MDL.....: 6.0		

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Fluor Hanford Inc

Client Sample ID: B1X157

DISSOLVED Metals

Lot-Sample #...: F8I040229-007 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	12600	5000	ug/L	SW846 6010B	09/17-09/18/08	KV9TG1AR
		Dilution Factor: 1		MDL.....: 134		
Strontium	218	50.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TG1AT
		Dilution Factor: 1		MDL.....: 0.54		
Vanadium	18.3 B	50.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TG1AU
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	ND	20.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TG1AV
		Dilution Factor: 1		MDL.....: 5.2		

NOTE(S):

B Estimated result. Result is less than RL.

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

Fluor Hanford Inc

Client Sample ID: B1X158

TOTAL Metals

Lot-Sample #...: F8I040229-008 Matrix.....: WATER
Date Sampled...: 09/03/08 Date Received..: 09/04/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8260237						
Antimony	ND	60.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TH1AC
		Dilution Factor: 1		MDL.....: 4.0		
Barium	**39.1 B**	**200**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9TH1AD**
		Dilution Factor: 1		MDL.....: 0.85		
Beryllium	ND	5.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TH1AE
		Dilution Factor: 1		MDL.....: 0.50		
Cadmium	ND	5.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TH1AF
		Dilution Factor: 1		MDL.....: 0.45		
Calcium	**44900**	**5000**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9TH1AG**
		Dilution Factor: 1		MDL.....: 18.6		
Chromium	**5.9 B**	**10.0**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9TH1AH**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TH1AJ
		Dilution Factor: 1		MDL.....: 4.0		
Copper	ND	25.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TH1AK
		Dilution Factor: 1		MDL.....: 4.6		
Iron	**31.1 B**	**100**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9TH1AL**
		Dilution Factor: 1		MDL.....: 16.0		
Magnesium	**12900**	**5000**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9TH1AM**
		Dilution Factor: 1		MDL.....: 110		
Manganese	ND	15.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TH1AN
		Dilution Factor: 1		MDL.....: 0.96		
Nickel	ND	40.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TH1AP
		Dilution Factor: 1		MDL.....: 13.3		
Potassium	**6200**	**5000**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9TH1AQ**
		Dilution Factor: 1		MDL.....: 1650		
Silver	ND	10.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TH1AR
		Dilution Factor: 1		MDL.....: 6.0		

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Fluor Hanford Inc

Client Sample ID: B1X158

TOTAL Metals

Lot-Sample #...: F8I040229-008 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	12500	5000	ug/L	SW846 6010B	09/16-09/17/08	KV9TH1AT
		Dilution Factor: 1		MDL.....: 134		
Strontium	222	50.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TH1AU
		Dilution Factor: 1		MDL.....: 0.54		
Vanadium	19.2 B	50.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TH1AV
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	ND	20.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TH1AW
		Dilution Factor: 1		MDL.....: 5.2		

NOTE(S):

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1X167

DISSOLVED Metals

Lot-Sample #...: F8I040229-009 **Matrix.....:** WATER
Date Sampled...: 09/03/08 **Date Received..:** 09/04/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8261087						
Antimony	ND	60.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TL1AA
		Dilution Factor: 1		MDL.....: 4.0		
Barium	**84.5 B**	**200**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9TL1AC**
		Dilution Factor: 1		MDL.....: 0.85		
Beryllium	ND	5.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TL1AD
		Dilution Factor: 1		MDL.....: 0.50		
Cadmium	ND	5.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TL1AE
		Dilution Factor: 1		MDL.....: 0.45		
	WSE 6-28-2011					
Calcium	**129000 Ø,D**	**25000**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9TL1AF**
		Dilution Factor: 5		MDL.....: 93.0		
Chromium	**5.8 B**	**10.0**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9TL1AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TL1AH
		Dilution Factor: 1		MDL.....: 4.0		
Copper	ND	25.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TL1AJ
		Dilution Factor: 1		MDL.....: 4.6		
Iron	ND	100	ug/L	SW846 6010B	09/17-09/18/08	KV9TL1AK
		Dilution Factor: 1		MDL.....: 16.0		
Magnesium	**33800**	**5000**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9TL1AL**
		Dilution Factor: 1		MDL.....: 110		
Manganese	ND	15.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TL1AM
		Dilution Factor: 1		MDL.....: 0.96		
Nickel	ND	40.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TL1AN
		Dilution Factor: 1		MDL.....: 13.3		
Potassium	**10300 C**	**5000**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9TL1AP**
		Dilution Factor: 1		MDL.....: 1650		
Silver	ND	10.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TL1AQ
		Dilution Factor: 1		MDL.....: 6.0		

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Fluor Hanford Inc

Client Sample ID: B1X167

DISSOLVED Metals

Lot-Sample #...: F8I040229-009 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	23000	5000	ug/L	SW846 6010B	09/17-09/18/08	KV9TL1AR
		Dilution Factor: 1		MDL.....: 134		
Strontium	589 D	250	ug/L	SW846 6010B	09/17-09/18/08	KV9TL1AT
		Dilution Factor: 5		MDL.....: 2.7		
Vanadium	16.3 B	50.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TL1AU
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	5.9 B,C	20.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TL1AV
		Dilution Factor: 1		MDL.....: 5.2		

NOTE(S):

B Estimated result. Result is less than RL.

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

D Result was obtained from the analysis of a dilution.

Fluor Hanford Inc

Client Sample ID: B1X168

TOTAL Metals

Lot-Sample #...: F8I040229-010 Matrix.....: WATER
Date Sampled...: 09/03/08 Date Received..: 09/04/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8260237						
Antimony	ND	60.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TM1AC
		Dilution Factor: 1		MDL.....: 4.0		
Barium	**88.7 B**	**200**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9TM1AD**
		Dilution Factor: 1		MDL.....: 0.85		
Beryllium	ND	5.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TM1AE
		Dilution Factor: 1		MDL.....: 0.50		
Cadmium	ND	5.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TM1AF
		Dilution Factor: 1		MDL.....: 0.45		
Calcium	**127000 D**	**25000**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9TM1AG**
		Dilution Factor: 5		MDL.....: 93.0		
Chromium	**16.7**	**10.0**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9TM1AH**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TM1AJ
		Dilution Factor: 1		MDL.....: 4.0		
Copper	ND	25.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TM1AK
		Dilution Factor: 1		MDL.....: 4.6		
Iron	**54.8 B**	**100**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9TM1AL**
		Dilution Factor: 1		MDL.....: 16.0		
Magnesium	**34200**	**5000**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9TM1AM**
		Dilution Factor: 1		MDL.....: 110		
Manganese	**1.3 B**	**15.0**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9TM1AN**
		Dilution Factor: 1		MDL.....: 0.96		
Nickel	ND	40.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TM1AP
		Dilution Factor: 1		MDL.....: 13.3		
Potassium	**10600**	**5000**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9TM1AQ**
		Dilution Factor: 1		MDL.....: 1650		
Silver	ND	10.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TM1AR
		Dilution Factor: 1		MDL.....: 6.0		

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Fluor Hanford Inc

Client Sample ID: B1X168

TOTAL Metals

Lot-Sample #...: F8I040229-010 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	23200	5000	ug/L	SW846 6010B	09/16-09/17/08	KV9TM1AT
		Dilution Factor: 1		MDL.....: 134		
Strontium	600 D	250	ug/L	SW846 6010B	09/16-09/17/08	KV9TM1AU
		Dilution Factor: 5		MDL.....: 2.7		
Vanadium	18.4 B	50.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TM1AV
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	ND	20.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TM1AW
		Dilution Factor: 1		MDL.....: 5.2		

NOTE(S):

B Estimated result. Result is less than RL.

D Result was obtained from the analysis of a dilution.

Fluor Hanford Inc

Client Sample ID: B1X059

DISSOLVED Metals

Lot-Sample #...: F8I040229-011 Matrix.....: WATER
Date Sampled...: 09/03/08 Date Received..: 09/04/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8261087						
Antimony	ND	60.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TN1AA
		Dilution Factor: 1		MDL.....: 4.0		
Barium	**21.4 B**	**200**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9TN1AC**
		Dilution Factor: 1		MDL.....: 0.85		
Beryllium	ND	5.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TN1AD
		Dilution Factor: 1		MDL.....: 0.50		
Cadmium	ND	5.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TN1AE
		Dilution Factor: 1		MDL.....: 0.45		
	WSE 6-28-2011					
Calcium	**20100 Ø**	**5000**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9TN1AF**
		Dilution Factor: 1		MDL.....: 18.6		
Chromium	ND	10.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TN1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TN1AH
		Dilution Factor: 1		MDL.....: 4.0		
Copper	ND	25.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TN1AJ
		Dilution Factor: 1		MDL.....: 4.6		
Iron	**19.4 B**	**100**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9TN1AK**
		Dilution Factor: 1		MDL.....: 16.0		
Magnesium	**7080**	**5000**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9TN1AL**
		Dilution Factor: 1		MDL.....: 110		
Manganese	**1.4 B**	**15.0**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9TN1AM**
		Dilution Factor: 1		MDL.....: 0.96		
Nickel	ND	40.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TN1AN
		Dilution Factor: 1		MDL.....: 13.3		
Potassium	**2260 B,C**	**5000**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9TN1AP**
		Dilution Factor: 1		MDL.....: 1650		
Silver	ND	10.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TN1AQ
		Dilution Factor: 1		MDL.....: 6.0		

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Fluor Hanford Inc

Client Sample ID: B1X059

DISSOLVED Metals

Lot-Sample #...: F8I040229-011 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	19000	5000	ug/L	SW846 6010B	09/17-09/18/08	KV9TN1AR
		Dilution Factor: 1		MDL.....: 134		
Strontium	75.1	50.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TN1AT
		Dilution Factor: 1		MDL.....: 0.54		
Vanadium	29.3 B	50.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TN1AU
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	ND	20.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TN1AV
		Dilution Factor: 1		MDL.....: 5.2		

NOTE(S):

B Estimated result. Result is less than RL.

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

Fluor Hanford Inc

Client Sample ID: B1X060

TOTAL Metals

Lot-Sample #...: F8I040229-012 **Matrix.....:** WATER
Date Sampled...: 09/03/08 **Date Received..:** 09/04/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8260237						
Antimony	ND	60.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TP1AC
		Dilution Factor: 1		MDL.....: 4.0		
Barium	**24.1 B**	**200**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9TP1AD**
		Dilution Factor: 1		MDL.....: 0.85		
Beryllium	ND	5.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TP1AE
		Dilution Factor: 1		MDL.....: 0.50		
Cadmium	ND	5.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TP1AF
		Dilution Factor: 1		MDL.....: 0.45		
Calcium	**21200**	**5000**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9TP1AG**
		Dilution Factor: 1		MDL.....: 18.6		
Chromium	**10.8**	**10.0**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9TP1AH**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TP1AJ
		Dilution Factor: 1		MDL.....: 4.0		
Copper	ND	25.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TP1AK
		Dilution Factor: 1		MDL.....: 4.6		
Iron	**142**	**100**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9TP1AL**
		Dilution Factor: 1		MDL.....: 16.0		
Magnesium	**7560**	**5000**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9TP1AM**
		Dilution Factor: 1		MDL.....: 110		
Manganese	**5.8 B**	**15.0**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9TP1AN**
		Dilution Factor: 1		MDL.....: 0.96		
Nickel	ND	40.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TP1AP
		Dilution Factor: 1		MDL.....: 13.3		
Potassium	**2400 B**	**5000**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9TP1AQ**
		Dilution Factor: 1		MDL.....: 1650		
Silver	ND	10.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TP1AR
		Dilution Factor: 1		MDL.....: 6.0		

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Fluor Hanford Inc

Client Sample ID: B1X060

TOTAL Metals

Lot-Sample #...: F8I040229-012 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**19900**	**5000**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9TP1AT**
		Dilution Factor: 1		MDL.....: 134		
Strontium	**82.0**	**50.0**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9TP1AU**
		Dilution Factor: 1		MDL.....: 0.54		
Vanadium	**33.1 B**	**50.0**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9TP1AV**
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	ND	20.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TP1AW
		Dilution Factor: 1		MDL.....: 5.2		

NOTE(S):

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1X1F9

DISSOLVED Metals

Lot-Sample #...: F8I040229-013 Matrix.....: WATER
Date Sampled...: 09/03/08 Date Received..: 09/04/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8261087						
Antimony	ND	60.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TV1AA
		Dilution Factor: 1		MDL.....: 4.0		
Barium	**37.7 B**	**200**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9TV1AC**
		Dilution Factor: 1		MDL.....: 0.85		
Beryllium	ND	5.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TV1AD
		Dilution Factor: 1		MDL.....: 0.50		
Cadmium	ND	5.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TV1AE
		Dilution Factor: 1		MDL.....: 0.45		
	WSE 6-28-2011					
Calcium	**31000 ¢**	**5000**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9TV1AF**
		Dilution Factor: 1		MDL.....: 18.6		
Chromium	**69.3**	**10.0**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9TV1AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TV1AH
		Dilution Factor: 1		MDL.....: 4.0		
Copper	ND	25.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TV1AJ
		Dilution Factor: 1		MDL.....: 4.6		
Iron	ND	100	ug/L	SW846 6010B	09/17-09/18/08	KV9TV1AK
		Dilution Factor: 1		MDL.....: 16.0		
Magnesium	**10500**	**5000**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9TV1AL**
		Dilution Factor: 1		MDL.....: 110		
Manganese	**0.99 B**	**15.0**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9TV1AM**
		Dilution Factor: 1		MDL.....: 0.96		
Nickel	ND	40.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TV1AN
		Dilution Factor: 1		MDL.....: 13.3		
Potassium	**4090 B,C**	**5000**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9TV1AP**
		Dilution Factor: 1		MDL.....: 1650		
Silver	ND	10.0	ug/L	SW846 6010B	09/17-09/18/08	KV9TV1AQ
		Dilution Factor: 1		MDL.....: 6.0		

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Fluor Hanford Inc

Client Sample ID: B1X1F9

DISSOLVED Metals

Lot-Sample #...: F8I040229-013 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**28600**	**5000**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9TV1AR**
		Dilution Factor: 1		MDL.....: 134		
Strontium	**119**	**50.0**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9TV1AT**
		Dilution Factor: 1		MDL.....: 0.54		
Vanadium	**29.6 B**	**50.0**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9TV1AU**
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	**5.4 B,C**	**20.0**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9TV1AV**
		Dilution Factor: 1		MDL.....: 5.2		

NOTE(S):

B Estimated result. Result is less than RL.

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

Fluor Hanford Inc

Client Sample ID: B1X1H0

TOTAL Metals

Lot-Sample #...: F8I040229-014 Matrix.....: WATER
Date Sampled...: 09/03/08 Date Received..: 09/04/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8260237						
Antimony	ND	60.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TW1AC
		Dilution Factor: 1		MDL.....: 4.0		
Barium	37.0 B	200	ug/L	SW846 6010B	09/16-09/17/08	KV9TW1AD
		Dilution Factor: 1		MDL.....: 0.85		
Beryllium	ND	5.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TW1AE
		Dilution Factor: 1		MDL.....: 0.50		
Cadmium	ND	5.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TW1AF
		Dilution Factor: 1		MDL.....: 0.45		
Calcium	29300	5000	ug/L	SW846 6010B	09/16-09/17/08	KV9TW1AG
		Dilution Factor: 1		MDL.....: 18.6		
Chromium	97.3	10.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TW1AH
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TW1AJ
		Dilution Factor: 1		MDL.....: 4.0		
Copper	ND	25.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TW1AK
		Dilution Factor: 1		MDL.....: 4.6		
Iron	180	100	ug/L	SW846 6010B	09/16-09/17/08	KV9TW1AL
		Dilution Factor: 1		MDL.....: 16.0		
Magnesium	10000	5000	ug/L	SW846 6010B	09/16-09/17/08	KV9TW1AM
		Dilution Factor: 1		MDL.....: 110		
Manganese	4.8 B	15.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TW1AN
		Dilution Factor: 1		MDL.....: 0.96		
Nickel	14.2 B	40.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TW1AP
		Dilution Factor: 1		MDL.....: 13.3		
Potassium	5130	5000	ug/L	SW846 6010B	09/16-09/17/08	KV9TW1AQ
		Dilution Factor: 1		MDL.....: 1650		
Silver	ND	10.0	ug/L	SW846 6010B	09/16-09/17/08	KV9TW1AR
		Dilution Factor: 1		MDL.....: 6.0		

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Fluor Hanford Inc

Client Sample ID: B1X1H0

TOTAL Metals

Lot-Sample #...: F8I040229-014 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**26900**	**5000**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9TW1AT**
		Dilution Factor: 1		MDL.....: 134		
Strontium	**116**	**50.0**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9TW1AU**
		Dilution Factor: 1		MDL.....: 0.54		
Vanadium	**29.9 B**	**50.0**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9TW1AV**
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	**10.6 B**	**20.0**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9TW1AW**
		Dilution Factor: 1		MDL.....: 5.2		

NOTE(S):

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1X069

DISSOLVED Metals

Lot-Sample #...: F8I040229-015 Matrix.....: WATER
Date Sampled...: 09/03/08 Date Received..: 09/04/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8261087						
Antimony	ND	60.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T11AA
		Dilution Factor: 1		MDL.....: 4.0		
Barium	**41.2 B**	**200**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9T11AC**
		Dilution Factor: 1		MDL.....: 0.85		
Beryllium	ND	5.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T11AD
		Dilution Factor: 1		MDL.....: 0.50		
Cadmium	ND	5.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T11AE
		Dilution Factor: 1		MDL.....: 0.45		
	WSE 6-28-2011					
Calcium	**26100 ¢**	**5000**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9T11AF**
		Dilution Factor: 1		MDL.....: 18.6		
Chromium	**14.0**	**10.0**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9T11AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T11AH
		Dilution Factor: 1		MDL.....: 4.0		
Copper	ND	25.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T11AJ
		Dilution Factor: 1		MDL.....: 4.6		
Iron	ND	100	ug/L	SW846 6010B	09/17-09/18/08	KV9T11AK
		Dilution Factor: 1		MDL.....: 16.0		
Magnesium	**8480**	**5000**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9T11AL**
		Dilution Factor: 1		MDL.....: 110		
Manganese	ND	15.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T11AM
		Dilution Factor: 1		MDL.....: 0.96		
Nickel	ND	40.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T11AN
		Dilution Factor: 1		MDL.....: 13.3		
Potassium	**3950 B,C**	**5000**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9T11AP**
		Dilution Factor: 1		MDL.....: 1650		
Silver	ND	10.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T11AQ
		Dilution Factor: 1		MDL.....: 6.0		

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Fluor Hanford Inc

Client Sample ID: B1X069

DISSOLVED Metals

Lot-Sample #...: F8I040229-015 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	24900	5000	ug/L	SW846 6010B	09/17-09/18/08	KV9T11AR
		Dilution Factor: 1		MDL.....: 134		
Strontium	106	50.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T11AT
		Dilution Factor: 1		MDL.....: 0.54		
Vanadium	23.3 B	50.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T11AU
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	ND	20.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T11AV
		Dilution Factor: 1		MDL.....: 5.2		

NOTE(S):

B Estimated result. Result is less than RL.

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

Fluor Hanford Inc

Client Sample ID: B1X070

TOTAL Metals

Lot-Sample #...: F8I040229-016 **Matrix.....:** WATER
Date Sampled...: 09/03/08 **Date Received..:** 09/04/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8260237						
Antimony	ND	60.0	ug/L	SW846 6010B	09/16-09/17/08	KV9T21AC
		Dilution Factor: 1		MDL.....: 4.0		
Barium	**43.7 B**	**200**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9T21AD**
		Dilution Factor: 1		MDL.....: 0.85		
Beryllium	ND	5.0	ug/L	SW846 6010B	09/16-09/17/08	KV9T21AE
		Dilution Factor: 1		MDL.....: 0.50		
Cadmium	ND	5.0	ug/L	SW846 6010B	09/16-09/17/08	KV9T21AF
		Dilution Factor: 1		MDL.....: 0.45		
Calcium	**26900**	**5000**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9T21AG**
		Dilution Factor: 1		MDL.....: 18.6		
Chromium	**15.5**	**10.0**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9T21AH**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	09/16-09/17/08	KV9T21AJ
		Dilution Factor: 1		MDL.....: 4.0		
Copper	ND	25.0	ug/L	SW846 6010B	09/16-09/17/08	KV9T21AK
		Dilution Factor: 1		MDL.....: 4.6		
Iron	**78.8 B**	**100**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9T21AL**
		Dilution Factor: 1		MDL.....: 16.0		
Magnesium	**8750**	**5000**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9T21AM**
		Dilution Factor: 1		MDL.....: 110		
Manganese	**3.7 B**	**15.0**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9T21AN**
		Dilution Factor: 1		MDL.....: 0.96		
Nickel	ND	40.0	ug/L	SW846 6010B	09/16-09/17/08	KV9T21AP
		Dilution Factor: 1		MDL.....: 13.3		
Potassium	**4430 B**	**5000**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9T21AQ**
		Dilution Factor: 1		MDL.....: 1650		
Silver	ND	10.0	ug/L	SW846 6010B	09/16-09/17/08	KV9T21AR
		Dilution Factor: 1		MDL.....: 6.0		

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Fluor Hanford Inc

Client Sample ID: B1X070

TOTAL Metals

Lot-Sample #...: F8I040229-016 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	25400	5000	ug/L	SW846 6010B	09/16-09/17/08	KV9T21AT
		Dilution Factor: 1		MDL.....: 134		
Strontium	112	50.0	ug/L	SW846 6010B	09/16-09/17/08	KV9T21AU
		Dilution Factor: 1		MDL.....: 0.54		
Vanadium	25.4 B	50.0	ug/L	SW846 6010B	09/16-09/17/08	KV9T21AV
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	ND	20.0	ug/L	SW846 6010B	09/16-09/17/08	KV9T21AW
		Dilution Factor: 1		MDL.....: 5.2		

NOTE(S):

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1X079

DISSOLVED Metals

Lot-Sample #...: F8I040229-017 Matrix.....: WATER
Date Sampled...: 09/03/08 Date Received..: 09/04/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8261087						
Antimony	ND	60.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T31AA
		Dilution Factor: 1		MDL.....: 4.0		
Barium	30.5 B	200	ug/L	SW846 6010B	09/17-09/18/08	KV9T31AC
		Dilution Factor: 1		MDL.....: 0.85		
Beryllium	ND	5.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T31AD
		Dilution Factor: 1		MDL.....: 0.50		
Cadmium	ND	5.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T31AE
		Dilution Factor: 1		MDL.....: 0.45		
Calcium	WSE 6-28-2011 23900 ¢	5000	ug/L	SW846 6010B	09/17-09/18/08	KV9T31AF
		Dilution Factor: 1		MDL.....: 18.6		
Chromium	4.1 B	10.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T31AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T31AH
		Dilution Factor: 1		MDL.....: 4.0		
Copper	ND	25.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T31AJ
		Dilution Factor: 1		MDL.....: 4.6		
Iron	ND	100	ug/L	SW846 6010B	09/17-09/18/08	KV9T31AK
		Dilution Factor: 1		MDL.....: 16.0		
Magnesium	8110	5000	ug/L	SW846 6010B	09/17-09/18/08	KV9T31AL
		Dilution Factor: 1		MDL.....: 110		
Manganese	ND	15.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T31AM
		Dilution Factor: 1		MDL.....: 0.96		
Nickel	ND	40.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T31AN
		Dilution Factor: 1		MDL.....: 13.3		
Potassium	4000 B,C	5000	ug/L	SW846 6010B	09/17-09/18/08	KV9T31AP
		Dilution Factor: 1		MDL.....: 1650		
Silver	ND	10.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T31AQ
		Dilution Factor: 1		MDL.....: 6.0		

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Fluor Hanford Inc

Client Sample ID: B1X079

DISSOLVED Metals

Lot-Sample #...: F8I040229-017 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	24900	5000	ug/L	SW846 6010B	09/17-09/18/08	KV9T31AR
		Dilution Factor: 1		MDL.....: 134		
Strontium	89.5	50.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T31AT
		Dilution Factor: 1		MDL.....: 0.54		
Vanadium	29.4 B	50.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T31AU
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	7.7 B,C	20.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T31AV
		Dilution Factor: 1		MDL.....: 5.2		

NOTE(S):

B Estimated result. Result is less than RL.

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

Fluor Hanford Inc

Client Sample ID: B1X080

TOTAL Metals

Lot-Sample #...: F8I040229-018 **Matrix.....:** WATER
Date Sampled...: 09/03/08 **Date Received..:** 09/04/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8260237						
Antimony	ND	60.0	ug/L	SW846 6010B	09/16-09/17/08	KV9T51AC
		Dilution Factor: 1		MDL.....: 4.0		
Barium	**30.7 B**	**200**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9T51AD**
		Dilution Factor: 1		MDL.....: 0.85		
Beryllium	ND	5.0	ug/L	SW846 6010B	09/16-09/17/08	KV9T51AE
		Dilution Factor: 1		MDL.....: 0.50		
Cadmium	ND	5.0	ug/L	SW846 6010B	09/16-09/17/08	KV9T51AF
		Dilution Factor: 1		MDL.....: 0.45		
Calcium	**24100**	**5000**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9T51AG**
		Dilution Factor: 1		MDL.....: 18.6		
Chromium	**4.8 B**	**10.0**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9T51AH**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	09/16-09/17/08	KV9T51AJ
		Dilution Factor: 1		MDL.....: 4.0		
Copper	ND	25.0	ug/L	SW846 6010B	09/16-09/17/08	KV9T51AK
		Dilution Factor: 1		MDL.....: 4.6		
Iron	**50.8 B**	**100**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9T51AL**
		Dilution Factor: 1		MDL.....: 16.0		
Magnesium	**8200**	**5000**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9T51AM**
		Dilution Factor: 1		MDL.....: 110		
Manganese	**1.7 B**	**15.0**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9T51AN**
		Dilution Factor: 1		MDL.....: 0.96		
Nickel	ND	40.0	ug/L	SW846 6010B	09/16-09/17/08	KV9T51AP
		Dilution Factor: 1		MDL.....: 13.3		
Potassium	**3950 B**	**5000**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9T51AQ**
		Dilution Factor: 1		MDL.....: 1650		
Silver	ND	10.0	ug/L	SW846 6010B	09/16-09/17/08	KV9T51AR
		Dilution Factor: 1		MDL.....: 6.0		

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Fluor Hanford Inc

Client Sample ID: B1X080

TOTAL Metals

Lot-Sample #...: F8I040229-018 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	24800	5000	ug/L	SW846 6010B	09/16-09/17/08	KV9T51AT
		Dilution Factor: 1		MDL.....: 134		
Strontium	92.2	50.0	ug/L	SW846 6010B	09/16-09/17/08	KV9T51AU
		Dilution Factor: 1		MDL.....: 0.54		
Vanadium	30.8 B	50.0	ug/L	SW846 6010B	09/16-09/17/08	KV9T51AV
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	19.7 B	20.0	ug/L	SW846 6010B	09/16-09/17/08	KV9T51AW
		Dilution Factor: 1		MDL.....: 5.2		

NOTE(S):

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1X084

DISSOLVED Metals

Lot-Sample #...: F8I040229-019 Matrix.....: WATER
Date Sampled...: 09/03/08 Date Received..: 09/04/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8261087						
Antimony	ND	60.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T71AA
		Dilution Factor: 1		MDL.....: 4.0		
Barium	**33.5 B**	**200**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9T71AC**
		Dilution Factor: 1		MDL.....: 0.85		
Beryllium	ND	5.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T71AD
		Dilution Factor: 1		MDL.....: 0.50		
Cadmium	ND	5.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T71AE
		Dilution Factor: 1		MDL.....: 0.45		
	WSE 6-28-2011					
Calcium	**26700 ¢**	**5000**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9T71AF**
		Dilution Factor: 1		MDL.....: 18.6		
Chromium	ND	10.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T71AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T71AH
		Dilution Factor: 1		MDL.....: 4.0		
Copper	ND	25.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T71AJ
		Dilution Factor: 1		MDL.....: 4.6		
Iron	ND	100	ug/L	SW846 6010B	09/17-09/18/08	KV9T71AK
		Dilution Factor: 1		MDL.....: 16.0		
Magnesium	**8890**	**5000**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9T71AL**
		Dilution Factor: 1		MDL.....: 110		
Manganese	ND	15.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T71AM
		Dilution Factor: 1		MDL.....: 0.96		
Nickel	ND	40.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T71AN
		Dilution Factor: 1		MDL.....: 13.3		
Potassium	**4550 B,C**	**5000**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9T71AP**
		Dilution Factor: 1		MDL.....: 1650		
Silver	ND	10.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T71AQ
		Dilution Factor: 1		MDL.....: 6.0		

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Fluor Hanford Inc

Client Sample ID: B1X084

DISSOLVED Metals

Lot-Sample #...: F8I040229-019 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	29500	5000	ug/L	SW846 6010B	09/17-09/18/08	KV9T71AR
		Dilution Factor: 1		MDL.....: 134		
Strontium	103	50.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T71AT
		Dilution Factor: 1		MDL.....: 0.54		
Vanadium	29.0 B	50.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T71AU
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	ND	20.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T71AV
		Dilution Factor: 1		MDL.....: 5.2		

NOTE(S):

B Estimated result. Result is less than RL.

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

Fluor Hanford Inc

Client Sample ID: B1X085

TOTAL Metals

Lot-Sample #...: F8I040229-020 **Matrix.....:** WATER
Date Sampled...: 09/03/08 **Date Received..:** 09/04/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8260237						
Antimony	ND	60.0	ug/L	SW846 6010B	09/16-09/17/08	KV9T81AC
		Dilution Factor: 1		MDL.....: 4.0		
Barium	**34.2 B**	**200**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9T81AD**
		Dilution Factor: 1		MDL.....: 0.85		
Beryllium	ND	5.0	ug/L	SW846 6010B	09/16-09/17/08	KV9T81AE
		Dilution Factor: 1		MDL.....: 0.50		
Cadmium	ND	5.0	ug/L	SW846 6010B	09/16-09/17/08	KV9T81AF
		Dilution Factor: 1		MDL.....: 0.45		
Calcium	**26600**	**5000**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9T81AG**
		Dilution Factor: 1		MDL.....: 18.6		
Chromium	ND	10.0	ug/L	SW846 6010B	09/16-09/17/08	KV9T81AH
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	09/16-09/17/08	KV9T81AJ
		Dilution Factor: 1		MDL.....: 4.0		
Copper	ND	25.0	ug/L	SW846 6010B	09/16-09/17/08	KV9T81AK
		Dilution Factor: 1		MDL.....: 4.6		
Iron	ND	100	ug/L	SW846 6010B	09/16-09/17/08	KV9T81AL
		Dilution Factor: 1		MDL.....: 16.0		
Magnesium	**8830**	**5000**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9T81AM**
		Dilution Factor: 1		MDL.....: 110		
Manganese	ND	15.0	ug/L	SW846 6010B	09/16-09/17/08	KV9T81AN
		Dilution Factor: 1		MDL.....: 0.96		
Nickel	ND	40.0	ug/L	SW846 6010B	09/16-09/17/08	KV9T81AP
		Dilution Factor: 1		MDL.....: 13.3		
Potassium	**5060**	**5000**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9T81AQ**
		Dilution Factor: 1		MDL.....: 1650		
Silver	ND	10.0	ug/L	SW846 6010B	09/16-09/17/08	KV9T81AR
		Dilution Factor: 1		MDL.....: 6.0		

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Fluor Hanford Inc

Client Sample ID: B1X085

TOTAL Metals

Lot-Sample #...: F8I040229-020 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	29000	5000	ug/L	SW846 6010B	09/16-09/17/08	KV9T81AT
		Dilution Factor: 1		MDL.....: 134		
Strontium	106	50.0	ug/L	SW846 6010B	09/16-09/17/08	KV9T81AU
		Dilution Factor: 1		MDL.....: 0.54		
Vanadium	29.9 B	50.0	ug/L	SW846 6010B	09/16-09/17/08	KV9T81AV
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	8.3 B	20.0	ug/L	SW846 6010B	09/16-09/17/08	KV9T81AW
		Dilution Factor: 1		MDL.....: 5.2		

NOTE(S):

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1X064

DISSOLVED Metals

Lot-Sample #...: F8I040229-021 **Matrix.....:** WATER
Date Sampled...: 09/03/08 **Date Received..:** 09/04/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8261087						
Antimony	ND	60.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T91AA
		Dilution Factor: 1		MDL.....: 4.0		
Barium	**34.8 B**	**200**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9T91AC**
		Dilution Factor: 1		MDL.....: 0.85		
Beryllium	ND	5.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T91AD
		Dilution Factor: 1		MDL.....: 0.50		
Cadmium	ND	5.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T91AE
		Dilution Factor: 1		MDL.....: 0.45		
	WSE 6-28-2011					
Calcium	**27900 ~~C~~**	**5000**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9T91AF**
		Dilution Factor: 1		MDL.....: 18.6		
Chromium	**9.2 B**	**10.0**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9T91AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T91AH
		Dilution Factor: 1		MDL.....: 4.0		
Copper	ND	25.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T91AJ
		Dilution Factor: 1		MDL.....: 4.6		
Iron	**34.5 B**	**100**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9T91AK**
		Dilution Factor: 1		MDL.....: 16.0		
Magnesium	**8770**	**5000**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9T91AL**
		Dilution Factor: 1		MDL.....: 110		
Manganese	ND	15.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T91AM
		Dilution Factor: 1		MDL.....: 0.96		
Nickel	ND	40.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T91AN
		Dilution Factor: 1		MDL.....: 13.3		
Potassium	**3990 B,C**	**5000**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KV9T91AP**
		Dilution Factor: 1		MDL.....: 1650		
Silver	ND	10.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T91AQ
		Dilution Factor: 1		MDL.....: 6.0		

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Fluor Hanford Inc

Client Sample ID: B1X064

DISSOLVED Metals

Lot-Sample #...: F8I040229-021 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	28000	5000	ug/L	SW846 6010B	09/17-09/18/08	KV9T91AR
		Dilution Factor: 1		MDL.....: 134		
Strontium	110	50.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T91AT
		Dilution Factor: 1		MDL.....: 0.54		
Vanadium	24.9 B	50.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T91AU
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	ND	20.0	ug/L	SW846 6010B	09/17-09/18/08	KV9T91AV
		Dilution Factor: 1		MDL.....: 5.2		

NOTE(S):

B Estimated result. Result is less than RL.

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

Fluor Hanford Inc

Client Sample ID: B1X065

TOTAL Metals

Lot-Sample #...: F8I040229-022 **Matrix.....:** WATER
Date Sampled...: 09/03/08 **Date Received..:** 09/04/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8260237						
Antimony	ND	60.0	ug/L	SW846 6010B	09/16-09/17/08	KV9VC1AC
		Dilution Factor: 1		MDL.....: 4.0		
Barium	**37.6 B**	**200**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9VC1AD**
		Dilution Factor: 1		MDL.....: 0.85		
Beryllium	ND	5.0	ug/L	SW846 6010B	09/16-09/17/08	KV9VC1AE
		Dilution Factor: 1		MDL.....: 0.50		
Cadmium	ND	5.0	ug/L	SW846 6010B	09/16-09/17/08	KV9VC1AF
		Dilution Factor: 1		MDL.....: 0.45		
Calcium	**29400**	**5000**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9VC1AG**
		Dilution Factor: 1		MDL.....: 18.6		
Chromium	**18.3**	**10.0**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9VC1AH**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	09/16-09/17/08	KV9VC1AJ
		Dilution Factor: 1		MDL.....: 4.0		
Copper	ND	25.0	ug/L	SW846 6010B	09/16-09/17/08	KV9VC1AK
		Dilution Factor: 1		MDL.....: 4.6		
Iron	**103**	**100**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9VC1AL**
		Dilution Factor: 1		MDL.....: 16.0		
Magnesium	**9260**	**5000**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9VC1AM**
		Dilution Factor: 1		MDL.....: 110		
Manganese	**2.6 B**	**15.0**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9VC1AN**
		Dilution Factor: 1		MDL.....: 0.96		
Nickel	ND	40.0	ug/L	SW846 6010B	09/16-09/17/08	KV9VC1AP
		Dilution Factor: 1		MDL.....: 13.3		
Potassium	**3430 B**	**5000**	**ug/L**	**SW846 6010B**	**09/16-09/17/08**	**KV9VC1AQ**
		Dilution Factor: 1		MDL.....: 1650		
Silver	ND	10.0	ug/L	SW846 6010B	09/16-09/17/08	KV9VC1AR
		Dilution Factor: 1		MDL.....: 6.0		

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Fluor Hanford Inc

Client Sample ID: B1X065

TOTAL Metals

Lot-Sample #...: F8I040229-022 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	29200	5000	ug/L	SW846 6010B	09/16-09/17/08	KV9VC1AT
		Dilution Factor: 1		MDL.....: 134		
Strontium	119	50.0	ug/L	SW846 6010B	09/16-09/17/08	KV9VC1AU
		Dilution Factor: 1		MDL.....: 0.54		
Vanadium	27.9 B	50.0	ug/L	SW846 6010B	09/16-09/17/08	KV9VC1AV
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	6.3 B	20.0	ug/L	SW846 6010B	09/16-09/17/08	KV9VC1AW
		Dilution Factor: 1		MDL.....: 5.2		

NOTE(S):

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: SL751 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: F8I160000-237 **Prep Batch #...:** 8260237						
Antimony	ND	60.0	ug/L	SW846 6010B	09/16-09/17/08	KWX3Q1AA
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010B	09/16-09/17/08	KWX3Q1AC
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	09/16-09/17/08	KWX3Q1AD
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	09/16-09/17/08	KWX3Q1AE
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010B	09/16-09/17/08	KWX3Q1AF
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	09/16-09/17/08	KWX3Q1AG
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010B	09/16-09/17/08	KWX3Q1AH
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	09/16-09/17/08	KWX3Q1AJ
		Dilution Factor: 1				
Iron	ND	100	ug/L	SW846 6010B	09/16-09/17/08	KWX3Q1AK
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010B	09/16-09/17/08	KWX3Q1AL
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010B	09/16-09/17/08	KWX3Q1AM
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	09/16-09/17/08	KWX3Q1AN
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010B	09/16-09/17/08	KWX3Q1AP
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	09/16-09/17/08	KWX3Q1AQ
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010B	09/16-09/17/08	KWX3Q1AR
		Dilution Factor: 1				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: SL751 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Strontium	ND	50.0	ug/L	SW846 6010B	09/16-09/17/08	KWX3Q1AT
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010B	09/16-09/17/08	KWX3Q1AU
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	09/16-09/17/08	KWX3Q1AV
		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 #...: SL751 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: F8I170000-087 **Prep Batch #...:** 8261087						
Antimony	ND	60.0	ug/L	SW846 6010B	09/17-09/18/08	KW1WK1AA
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010B	09/17-09/18/08	KW1WK1AC
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	09/17-09/18/08	KW1WK1AD
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	09/17-09/18/08	KW1WK1AE
		Dilution Factor: 1				
Calcium	**29.8 B**	**5000**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KW1WK1AF**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	09/17-09/18/08	KW1WK1AG
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010B	09/17-09/18/08	KW1WK1AH
		Dilution Factor: 1				
Copper	**43.9**	**25.0**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KW1WK1AJ**
		Dilution Factor: 1				
Iron	ND	100	ug/L	SW846 6010B	09/17-09/18/08	KW1WK1AK
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010B	09/17-09/18/08	KW1WK1AL
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010B	09/17-09/18/08	KW1WK1AM
		Dilution Factor: 1				
Nickel	**49.9**	**40.0**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KW1WK1AN**
		Dilution Factor: 1				
Potassium	**2160 B**	**5000**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KW1WK1AP**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	09/17-09/18/08	KW1WK1AQ
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010B	09/17-09/18/08	KW1WK1AR
		Dilution Factor: 1				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: SL751 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Strontium	ND	50.0	ug/L	SW846 6010B	09/17-09/18/08	KW1WK1AT
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010B	09/17-09/18/08	KW1WK1AU
		Dilution Factor: 1				
Zinc	**7.0 B**	**20.0**	**ug/L**	**SW846 6010B**	**09/17-09/18/08**	**KW1WK1AV**
		Dilution Factor: 1				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: SL751 Matrix.....: WATER

LCS Lot-Sample#: F8I160000-237 Prep Batch #...: 8260237

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	500	525	ug/L	105	SW846 6010B	09/16-09/17/08	KWX3Q1AW
			Dilution Factor: 1				
Barium	500	528	ug/L	106	SW846 6010B	09/16-09/17/08	KWX3Q1AX
			Dilution Factor: 1				
Beryllium	500	561	ug/L	112	SW846 6010B	09/16-09/17/08	KWX3Q1A0
			Dilution Factor: 1				
Cadmium	500	531	ug/L	106	SW846 6010B	09/16-09/17/08	KWX3Q1A1
			Dilution Factor: 1				
Calcium	10000	10300	ug/L	103	SW846 6010B	09/16-09/17/08	KWX3Q1A2
			Dilution Factor: 1				
Chromium	500	518	ug/L	104	SW846 6010B	09/16-09/17/08	KWX3Q1A3
			Dilution Factor: 1				
Cobalt	500	521	ug/L	104	SW846 6010B	09/16-09/17/08	KWX3Q1A4
			Dilution Factor: 1				
Copper	500	498	ug/L	100	SW846 6010B	09/16-09/17/08	KWX3Q1A5
			Dilution Factor: 1				
Iron	500	600	ug/L	120	SW846 6010B	09/16-09/17/08	KWX3Q1A6
			Dilution Factor: 1				
Magnesium	10000	10200	ug/L	102	SW846 6010B	09/16-09/17/08	KWX3Q1A7
			Dilution Factor: 1				
Manganese	500	532	ug/L	106	SW846 6010B	09/16-09/17/08	KWX3Q1A8
			Dilution Factor: 1				
Nickel	500	519	ug/L	104	SW846 6010B	09/16-09/17/08	KWX3Q1A9
			Dilution Factor: 1				
Potassium	12500	10700	ug/L	86	SW846 6010B	09/16-09/17/08	KWX3Q1CA
			Dilution Factor: 1				
Silver	125	126	ug/L	101	SW846 6010B	09/16-09/17/08	KWX3Q1CC
			Dilution Factor: 1				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: SL751 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	12500	10500	ug/L	84	SW846 6010B	09/16-09/17/08	KWX3Q1CD
			Dilution Factor: 1				
Strontium	500	504	ug/L	101	SW846 6010B	09/16-09/17/08	KWX3Q1CE
			Dilution Factor: 1				
Vanadium	500	524	ug/L	105	SW846 6010B	09/16-09/17/08	KWX3Q1CF
			Dilution Factor: 1				
Zinc	500	565	ug/L	113	SW846 6010B	09/16-09/17/08	KWX3Q1CG
			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 #...: SL751 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: F8I170000-087 Prep Batch #...: 8261087							
Antimony	500	496	ug/L	99	SW846 6010B	09/17-09/18/08	KW1WK1AW
			Dilution Factor: 1				
Barium	500	519	ug/L	104	SW846 6010B	09/17-09/18/08	KW1WK1AX
			Dilution Factor: 1				
Beryllium	500	536	ug/L	107	SW846 6010B	09/17-09/18/08	KW1WK1A0
			Dilution Factor: 1				
Cadmium	500	517	ug/L	103	SW846 6010B	09/17-09/18/08	KW1WK1A1
			Dilution Factor: 1				
Calcium	10000	10400	ug/L	104	SW846 6010B	09/17-09/18/08	KW1WK1A2
			Dilution Factor: 1				
Chromium	500	496	ug/L	99	SW846 6010B	09/17-09/18/08	KW1WK1A3
			Dilution Factor: 1				
Cobalt	500	491	ug/L	98	SW846 6010B	09/17-09/18/08	KW1WK1A4
			Dilution Factor: 1				
Copper	500	491	ug/L	98	SW846 6010B	09/17-09/18/08	KW1WK1A5
			Dilution Factor: 1				
Iron	500	583	ug/L	117	SW846 6010B	09/17-09/18/08	KW1WK1A6
			Dilution Factor: 1				
Magnesium	10000	10200	ug/L	102	SW846 6010B	09/17-09/18/08	KW1WK1A7
			Dilution Factor: 1				
Manganese	500	505	ug/L	101	SW846 6010B	09/17-09/18/08	KW1WK1A8
			Dilution Factor: 1				
Nickel	500	508	ug/L	102	SW846 6010B	09/17-09/18/08	KW1WK1A9
			Dilution Factor: 1				
Potassium	10000	10200	ug/L	102	SW846 6010B	09/17-09/18/08	KW1WK1CA
			Dilution Factor: 1				
Silver	125	125	ug/L	100	SW846 6010B	09/17-09/18/08	KW1WK1CC
			Dilution Factor: 1				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL751 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	10000	10500	ug/L	105	SW846 6010B	09/17-09/18/08	KW1WK1CD
			Dilution Factor: 1				
Strontium	500	494	ug/L	99	SW846 6010B	09/17-09/18/08	KW1WK1CE
			Dilution Factor: 1				
Vanadium	500	505	ug/L	101	SW846 6010B	09/17-09/18/08	KW1WK1CF
			Dilution Factor: 1				
Zinc	500	545	ug/L	109	SW846 6010B	09/17-09/18/08	KW1WK1CG
			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 #...: SL751 Matrix.....: WATER
Date Sampled...: 09/03/08 Date Received..: 09/04/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F8I040229-002 Prep Batch #...: 8260237									
Antimony									
	ND	250	256	ug/L	102		SW846 6010B	09/16-09/17/08	KV9R41AX
	ND	250	256	ug/L	102	0.05	SW846 6010B	09/16-09/17/08	KV9R41A0
			Dilution Factor: 1						
Barium									
	59.1	1000	1120	ug/L	106		SW846 6010B	09/16-09/17/08	KV9R41A1
	59.1	1000	1120	ug/L	106	0.50	SW846 6010B	09/16-09/17/08	KV9R41A2
			Dilution Factor: 1						
Beryllium									
	ND	25.0	27.7	ug/L	111		SW846 6010B	09/16-09/17/08	KV9R41A3
	ND	25.0	28.0	ug/L	112	0.82	SW846 6010B	09/16-09/17/08	KV9R41A4
			Dilution Factor: 1						
Cadmium									
	ND	25.0	25.6	ug/L	102		SW846 6010B	09/16-09/17/08	KV9R41A5
	ND	25.0	25.7	ug/L	103	0.50	SW846 6010B	09/16-09/17/08	KV9R41A6
			Dilution Factor: 1						
Calcium									
	95700	25000	121000	ug/L	101		SW846 6010B	09/16-09/17/08	KV9R41A7
			Qualifiers: D						
	95700	25000	116000	ug/L	81	4.1	SW846 6010B	09/16-09/17/08	KV9R41A8
			Qualifiers: D						
			Dilution Factor: 5						
Chromium									
	ND	100	102	ug/L	102		SW846 6010B	09/16-09/17/08	KV9R41A9
	ND	100	102	ug/L	102	0.07	SW846 6010B	09/16-09/17/08	KV9R41CA
			Dilution Factor: 1						
Cobalt									
	ND	250	244	ug/L	98		SW846 6010B	09/16-09/17/08	KV9R41CC
	ND	250	246	ug/L	99	0.91	SW846 6010B	09/16-09/17/08	KV9R41CD
			Dilution Factor: 1						
Copper									
	ND	125	126	ug/L	101		SW846 6010B	09/16-09/17/08	KV9R41CE
	ND	125	127	ug/L	102	0.97	SW846 6010B	09/16-09/17/08	KV9R41CF
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: SL751 Matrix.....: WATER
Date Sampled...: 09/03/08 Date Received..: 09/04/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron									
	122	500	682	ug/L	112		SW846 6010B	09/16-09/17/08	KV9R41CG
	122	500	689	ug/L	113	1.0	SW846 6010B	09/16-09/17/08	KV9R41CH
			Dilution Factor: 1						
Magnesium									
	27100	25000	53400 D	ug/L	105		SW846 6010B	09/16-09/17/08	KV9R41CJ
	27100	25000	50700 D	ug/L	94	5.4	SW846 6010B	09/16-09/17/08	KV9R41CK
			Dilution Factor: 5						
Manganese									
	ND	250	258	ug/L	103		SW846 6010B	09/16-09/17/08	KV9R41CL
	ND	250	260	ug/L	104	0.74	SW846 6010B	09/16-09/17/08	KV9R41CM
			Dilution Factor: 1						
Nickel									
	ND	250	247	ug/L	99		SW846 6010B	09/16-09/17/08	KV9R41CN
	ND	250	247	ug/L	99	0.10	SW846 6010B	09/16-09/17/08	KV9R41CP
			Dilution Factor: 1						
Potassium									
	7190	12500	22200	ug/L	120		SW846 6010B	09/16-09/17/08	KV9R41CQ
	7190	12500	22000	ug/L	118	1.2	SW846 6010B	09/16-09/17/08	KV9R41CR
			Dilution Factor: 1						
Silver									
	ND	25.0	25.6	ug/L	102		SW846 6010B	09/16-09/17/08	KV9R41CT
	ND	25.0	25.9	ug/L	103	0.93	SW846 6010B	09/16-09/17/08	KV9R41CU
			Dilution Factor: 1						
Sodium									
	16900	12500	29700	ug/L	102		SW846 6010B	09/16-09/17/08	KV9R41CV
	16900	12500	29800	ug/L	103	0.36	SW846 6010B	09/16-09/17/08	KV9R41CW
			Dilution Factor: 1						
Strontium									
	499	500	1040 D	ug/L	109		SW846 6010B	09/16-09/17/08	KV9R41CX
	499	500	991 D	ug/L	98	5.2	SW846 6010B	09/16-09/17/08	KV9R41C0
			Dilution Factor: 5						
Vanadium									
	14.6	250	271	ug/L	103		SW846 6010B	09/16-09/17/08	KV9R41C1
	14.6	250	273	ug/L	103	0.74	SW846 6010B	09/16-09/17/08	KV9R41C2
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: SL751 Matrix.....: WATER
Date Sampled...: 09/03/08 Date Received..: 09/04/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	ND	250	281	ug/L	112		SW846 6010B	09/16-09/17/08	KV9R41C3
	ND	250	281	ug/L	112	0.12	SW846 6010B	09/16-09/17/08	KV9R41C4

Dilution Factor: 1

NOTE(S):

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

D Result was obtained from the analysis of a dilution.

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL751 Matrix.....: WATER
Date Sampled...: 09/03/08 Date Received..: 09/04/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F8I040229-001 **Prep Batch #...:** 8261087									
Antimony									
	ND	250	240	ug/L	96		SW846 6010B	09/17-09/18/08	KV9R01AW
	ND	250	242	ug/L	97	0.56	SW846 6010B	09/17-09/18/08	KV9R01AX
			Dilution Factor: 1						
Barium									
	58.8	1000	1100	ug/L	104		SW846 6010B	09/17-09/18/08	KV9R01A0
	58.8	1000	1110	ug/L	106	1.1	SW846 6010B	09/17-09/18/08	KV9R01A1
			Dilution Factor: 1						
Beryllium									
	ND	25.0	26.3	ug/L	105		SW846 6010B	09/17-09/18/08	KV9R01A2
	ND	25.0	26.5	ug/L	106	0.75	SW846 6010B	09/17-09/18/08	KV9R01A3
			Dilution Factor: 1						
Cadmium									
	ND	25.0	24.4	ug/L	97		SW846 6010B	09/17-09/18/08	KV9R01A4
	ND	25.0	24.5	ug/L	98	0.41	SW846 6010B	09/17-09/18/08	KV9R01A5
			Dilution Factor: 1						
Calcium									
	99500	25000	125000	ug/L	103		SW846 6010B	09/17-09/18/08	KV9R01A6
			Qualifiers: D						
	99500	25000	118000	ug/L	75	5.6	SW846 6010B	09/17-09/18/08	KV9R01A7
			Qualifiers: D						
			Dilution Factor: 5						
Chromium									
	ND	100	96.2	ug/L	96		SW846 6010B	09/17-09/18/08	KV9R01A8
	ND	100	97.1	ug/L	97	0.89	SW846 6010B	09/17-09/18/08	KV9R01A9
			Dilution Factor: 1						
Cobalt									
	ND	250	228	ug/L	91		SW846 6010B	09/17-09/18/08	KV9R01CA
	ND	250	230	ug/L	92	0.70	SW846 6010B	09/17-09/18/08	KV9R01CC
			Dilution Factor: 1						
Copper									
	ND	125	124	ug/L	99		SW846 6010B	09/17-09/18/08	KV9R01CD
	ND	125	125	ug/L	100	0.55	SW846 6010B	09/17-09/18/08	KV9R01CE
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL751 Matrix.....: WATER
Date Sampled...: 09/03/08 Date Received..: 09/04/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron									
	ND	500	554	ug/L	111		SW846 6010B	09/17-09/18/08	KV9R01CF
	ND	500	553	ug/L	111	0.23	SW846 6010B	09/17-09/18/08	KV9R01CG
			Dilution Factor: 1						
Magnesium									
	28100	25000	55200 D	ug/L	108		SW846 6010B	09/17-09/18/08	KV9R01CH
	28100	25000	51800 D	ug/L	95	6.3	SW846 6010B	09/17-09/18/08	KV9R01CJ
			Dilution Factor: 5						
Manganese									
	1.4	250	245	ug/L	98		SW846 6010B	09/17-09/18/08	KV9R01CK
	1.4	250	247	ug/L	98	0.60	SW846 6010B	09/17-09/18/08	KV9R01CL
			Dilution Factor: 1						
Nickel									
	ND	250	235	ug/L	94		SW846 6010B	09/17-09/18/08	KV9R01CM
	ND	250	237	ug/L	95	0.50	SW846 6010B	09/17-09/18/08	KV9R01CN
			Dilution Factor: 1						
Potassium									
	8980	12500	20500	ug/L	92		SW846 6010B	09/17-09/18/08	KV9R01CP
	8980	12500	22100	ug/L	105	7.5	SW846 6010B	09/17-09/18/08	KV9R01CQ
			Dilution Factor: 1						
Silver									
	ND	25.0	24.5	ug/L	98		SW846 6010B	09/17-09/18/08	KV9R01CR
	ND	25.0	25.0	ug/L	100	2.3	SW846 6010B	09/17-09/18/08	KV9R01CT
			Dilution Factor: 1						
Sodium									
	17500	12500	29400	ug/L	96		SW846 6010B	09/17-09/18/08	KV9R01CU
	17500	12500	30200	ug/L	102	2.6	SW846 6010B	09/17-09/18/08	KV9R01CV
			Dilution Factor: 1						
Strontium									
	527	500	1050 D	ug/L	104		SW846 6010B	09/17-09/18/08	KV9R01CW
	527	500	994 D	ug/L	93	5.0	SW846 6010B	09/17-09/18/08	KV9R01CX
			Dilution Factor: 5						
Vanadium									
	14.0	250	260	ug/L	98		SW846 6010B	09/17-09/18/08	KV9R01C0
	14.0	250	262	ug/L	99	1.0	SW846 6010B	09/17-09/18/08	KV9R01C1
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL751 Matrix.....: WATER
Date Sampled...: 09/03/08 Date Received..: 09/04/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	ND	250	269	ug/L	108		SW846 6010B	09/17-09/18/08	KV9R01C2
	ND	250	273	ug/L	109	1.4	SW846 6010B	09/17-09/18/08	KV9R01C3

Dilution Factor: 1

NOTE(S):

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

D Result was obtained from the analysis of a dilution.

WET CHEMISTRY

Fluor Hanford Inc

Client Sample ID: B1WKK6

General Chemistry

Lot-Sample #...: F8I030139-001 **Work Order #...:** KV6RK **Matrix.....:** WATER
Date Sampled...: 08/29/08 **Date Received..:** 09/02/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	09/09/08	8253191

Dilution Factor: 1 MDL.....: 0.20

Fluor Hanford Inc

Client Sample ID: B1W2F0

General Chemistry

Lot-Sample #...: F8I030145-001 **Work Order #...:** KV6TC **Matrix.....:** WATER
Date Sampled...: 08/27/08 **Date Received..:** 09/02/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	0.23 B	1.0	mg/L	SW846 9060	09/08/08	8252181
	Dilution Factor: 1			MDL.....: 0.20		
TOX	20.0	5.0	ug/L	SW846 9020B	09/17/08	8256143
	Dilution Factor: 1			MDL.....: 3.5		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1W2F1

General Chemistry

Lot-Sample #...: F8I030145-002 **Work Order #...:** KV6TF **Matrix.....:** WATER
Date Sampled...: 08/27/08 **Date Received..:** 09/02/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	0.29 B	1.0	mg/L	SW846 9060	09/08/08	8252181
		Dilution Factor: 1		MDL.....: 0.20		
TOX	20.3	5.0	ug/L	SW846 9020B	09/17/08	8256143
		Dilution Factor: 1		MDL.....: 3.5		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1W2F2

General Chemistry

Lot-Sample #...: F8I030145-003 **Work Order #...:** KV6TH **Matrix.....:** WATER
Date Sampled...: 08/27/08 **Date Received..:** 09/02/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	0.23 B	1.0	mg/L	SW846 9060	09/08/08	8252181
	Dilution Factor: 1			MDL.....: 0.20		
TOX	20.0	5.0	ug/L	SW846 9020B	09/17/08	8256143
	Dilution Factor: 1			MDL.....: 3.5		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1W2F3

General Chemistry

Lot-Sample #...: F8I030145-004 **Work Order #...:** KV6TJ **Matrix.....:** WATER
Date Sampled...: 08/27/08 **Date Received..:** 09/02/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	0.24 B	1.0	mg/L	SW846 9060	09/08/08	8252181
		Dilution Factor: 1		MDL.....: 0.20		
TOX	18.8	5.0	ug/L	SW846 9020B	09/17/08	8256143
		Dilution Factor: 1		MDL.....: 3.5		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1WDP1

General Chemistry

Lot-Sample #...: F8I030149-001 **Work Order #...:** KV6TW **Matrix.....:** WATER
Date Sampled...: 08/29/08 **Date Received..:** 09/02/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phenol	ND	50.0	ug/L	MCAWW 420.2	09/04-09/08/08	8246267
		Dilution Factor: 1		MDL.....: 14.0		
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	09/09/08	8253191
		Dilution Factor: 1		MDL.....: 0.20		
Total Sulfide	ND	1.0	mg/L	SW846 9030	09/05/08	8249065
		Dilution Factor: 1		MDL.....: 0.18		
TOX	**121**	**5.0**	**ug/L**	**SW846 9020B**	**09/17/08**	**8256143**
		Dilution Factor: 1		MDL.....: 3.5		

METHOD BLANK REPORT

General Chemistry

Client Lot #...: SL751 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phenol		Work Order #: KV5G71AA		MB Lot-Sample #:	F8I020000-267	
	ND	50.0	ug/L	MCAWW 420.2	09/04-09/08/08	8246267
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: KWG1L1AA		MB Lot-Sample #:	F8I080000-181	
	ND	1.0	mg/L	SW846 9060	09/08/08	8252181
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: KWJ7N1AA		MB Lot-Sample #:	F8I090000-191	
	ND	1.0	mg/L	SW846 9060	09/09/08	8253191
		Dilution Factor: 1				
Total Sulfide		Work Order #: KWA291AA		MB Lot-Sample #:	F8I050000-065	
	ND	1.0	mg/L	SW846 9030	09/05/08	8249065
		Dilution Factor: 1				
TOX		Work Order #: KW4TQ1AA		MB Lot-Sample #:	F8I120000-143	
	ND	5.0	ug/L	SW846 9020B	09/17/08	8256143
		Dilution Factor: 1				

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: SL751 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon			WO#:KWG1L1AC-LCS/KWG1L1AD-LCSD			LCS Lot-Sample#: F8I080000-181		
	8.00	8.09	mg/L	101		SW846 9060	09/08/08	8252181
	8.00	8.05	mg/L	101	0.50	SW846 9060	09/08/08	8252181
			Dilution Factor: 1					
Total Organic Carbon			WO#:KWJ7N1AC-LCS/KWJ7N1AD-LCSD			LCS Lot-Sample#: F8I090000-191		
	8.00	8.15	mg/L	102		SW846 9060	09/09/08	8253191
	8.00	8.14	mg/L	102	0.09	SW846 9060	09/09/08	8253191
			Dilution Factor: 1					

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL751 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phenol			Work Order #:	KV5G71AC	LCS Lot-Sample#:	F8I020000-267	
	200	198	ug/L	99	MCAWW 420.2	09/04-09/08/08	8246267
			Dilution Factor: 1				
Total Sulfide			Work Order #:	KWA291AC	LCS Lot-Sample#:	F8I050000-065	
	4.00	4.08	mg/L	102	SW846 9030	09/05/08	8249065
			Dilution Factor: 1				
TOX			Work Order #:	KW4TQ1AC	LCS Lot-Sample#:	F8I120000-143	
	100	98.6	ug/L	99	SW846 9020B	09/17/08	8256143
			Dilution Factor: 1				

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL751 Matrix.....: WATER
Date Sampled...: 08/29/08 Date Received..: 09/02/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phenol			Work Order #...:		KV1JF1AG		MS Lot-Sample #:	F8H280309-001
	ND	200	198	ug/L	99	MCAWW 420.2	09/04-09/08/08	8246267
			Dilution Factor: 1					
Phenol			Work Order #...:		KV6TW1AG		MS Lot-Sample #:	F8I030149-001
	ND	200	198	ug/L	99	MCAWW 420.2	09/04-09/08/08	8246267
			Dilution Factor: 1					
Total Organic Carbon			Work Order #...:		KV1HH1AD		MS Lot-Sample #:	F8H280298-006
	0.27	5.00	7.59 N	mg/L	146	SW846 9060	09/08/08	8252181
			Dilution Factor: 1					
Total Organic Carbon			Work Order #...:		KV1J31AD		MS Lot-Sample #:	F8H280316-001
	ND	5.00	5.40	mg/L	108	SW846 9060	09/08-09/09/08	8252181
			Dilution Factor: 1					
Total Organic Carbon			Work Order #...:		KV6RK1AG		MS Lot-Sample #:	F8I030139-001
	ND	5.00	5.54	mg/L	111	SW846 9060	09/09/08	8253191
			Dilution Factor: 1					
Total Organic Carbon			Work Order #...:		KV9XG1A0		MS Lot-Sample #:	F8I040239-008
	ND	5.00	5.79	mg/L	116	SW846 9060	09/09/08	8253191
			Dilution Factor: 1					
Total Sulfide			Work Order #...:		KV6TW1AH		MS Lot-Sample #:	F8I030149-001
	ND	4.00	3.80	mg/L	95	SW846 9030	09/05/08	8249065
			Dilution Factor: 1					
TOX			Work Order #...:		KV9XW1A1		MS Lot-Sample #:	F8I040239-010
	3.9	100	107	ug/L	103	SW846 9020B	09/17/08	8256143
			Dilution Factor: 1					

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F8I030139 Work Order #...: KV1JF-SMP Matrix.....: WATER
KV1JF-DUP
Date Sampled...: 08/26/08 Date Received..: 08/28/08

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phenol						SD Lot-Sample #:	F8H280309-001	
	ND	ND	ug/L	0	(0-20)	MCAWW 420.2	09/04-09/08/08	8246267

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F8I030139 **Work Order #...:** KV6TW-SMP KV6TW-DUP **Matrix.....:** WATER

Date Sampled...: 08/29/08 **Date Received..:** 09/02/08

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phenol						SD Lot-Sample #:	F8I030149-001	
	ND	ND	ug/L	0	(0-20)	MCAWW 420.2	09/04-09/08/08	8246267
			Dilution Factor: 1					
Total Sulfide						SD Lot-Sample #:	F8I030149-001	
	ND	ND	mg/L	0	(0-20)	SW846 9030	09/05/08	8249065
			Dilution Factor: 1					

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F8I030139 **Work Order #...:** KV1J3-SMP KV1J3-DUP **Matrix.....:** WATER

Date Sampled...: 08/26/08 **Date Received..:** 08/28/08

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon						SD Lot-Sample #:	F8H280316-001	
	ND	ND	mg/L	0	(0-20)	SW846 9060	09/08/08	8252181

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F8I030139 **Work Order #...:** KV6RK-SMP KV6RK-DUP **Matrix.....:** WATER

Date Sampled...: 08/29/08 **Date Received..:** 09/02/08

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon						SD Lot-Sample #: F8I030139-001		
	ND	ND	mg/L	0	(0-20)	SW846 9060	09/09/08	8253191
			Dilution Factor: 1					

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F8I030139 Work Order #...: KV9XW-SMP Matrix.....: WATER
KV9XW-DUP
Date Sampled...: 09/02/08 Date Received..: 09/04/08

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX						SD Lot-Sample #:	F8I040239-010	
	3.9 B	4.6 B	ug/L	17	(0-20)	SW846 9020B	09/17/08	8256143

Dilution Factor: 1

NOTE(S):

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

B Estimated result. Result is less than RL.