RECEIVED APRIL 7, 2008

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

X08-024

Lot #: F8B130118
SDG #: SL728

Steve Trent

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

TESTAMERICA LABORATORIES, INC.

Michael C. Franks
Project Manager

March 7, 2008

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CASE NARRATIVE

Fluor Hanford, Inc.
P.O. Box 1000
MSIN E6-35
Richland, Washington 99352
March 31, 2008
Attention: Steve Trent

SDG	: SL728
Number of Samples	: nine samples
Sample Matrix	: water
Data Deliverable	: Summary
Date SDG Closed	: February 26, 2008

II. Introduction

Between between February 12, 2008 and February 20, 2008, nine samples water samples were received by TestAmerica - St. Louis for chemical analysis. The samples were received within temperature criteria. See the COC and CUR forms for documentation of any variations on receipt conditions and temperature. Upon receipt, the samples were given laboratory Ids to correspond with specific client Ids. Please refer to the Sample Summary sheets attached to this case narrative. This report is incomplete without the narrative.

III. Analytical Results/ Methodology

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

Deviation from Request: None

IV. Definitions

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

V. Comments

General

The following SAFs are associated with this SDG: X08-024

The term "Detection Limit" used in the analytical data report refers to either the lab's standard reporting limits or contractually required reporting limits, whichever is applicable.

MS/MSD/Dup analysis was done per the client requirements. Analytical batches that did not contain matrix QC were analyzed with a LCS/LCS duplicate.

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THE LEADER IN ENVIRONMENTAL TESTING

Fluor Hanford Inc.
March 31, 2008
SDG: SL728

Volatiles

Batch 8049338:

The D% CCV is (higher recovered) outside the Method criteria (greater than 20% D) for Methylene chloride (25.7%), indicating a potential high bias for this analyte in the samples associated with this CCV.
Affected Samples:
F8B130118 (1): B1T008

The Method Blank surrogate recovery for 4-Bromofluorobenzene (119.5%) is outside acceptance limits. Samples, associated with this method blank, demonstrated acceptable surrogate recoveries indicating the surrogate excursion is isolated to the method blank and not indicative of the batch.
Affected Samples:
F8B130118 (1): B1T008

The MS/MSD RPDs for 2-Butanone and 1-Butanol are outside of the QC limits. Their recoveries are within the QC limits.
Affected Samples:
F8B130118 (1): B1T008

Batch: 8049347

The D% CCV is (higher recovered) outside the Method criteria (greater than 20% D) for Methylene chloride (22.2%), indicating a potential high bias for this analyte in the sample associated with this CCV. This analyte is not detected above the reporting limit in the associated samples.
Affected Samples:
F8B130118 (1): B1T008

The Method Blank surrogate recovery for 4-Bromofluorobenzene (125%) is outside acceptance limit. Samples, associated with this method blank, demonstrated acceptable surrogate recoveries indicating the surrogate excursion is isolated to the method blank and not indicative of the batch.
Affected Samples:
F8B130118 (1): B1T008

Batch: 8060117

The MS/MSD RPD for 1,4-Dioxane is (30%) outside of the QC limit. The MS/MSD recoveries are within the QC limits.
Affected Samples:
F8B200154 (1): B1RYT1
F8B200154 (2): B1RYT2
F8B200154 (3): B1RYT3

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THE LEADER IN ENVIRONMENTAL TESTING

Fluor Hanford Inc.
March 31, 2008
SDG: SL728

The samples were analyzed at dilution due to high concentrations of target analytes. The reporting limits have been adjusted only for those targets reported from the dilution run.
Affected Samples:
F8B200154 (1): B1RYT1
F8B200154 (2): B1RYT2
F8B200154 (3): B1RYT3

ICP Metals

Batch: 8046117

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:
F8B130118 (2): B1T013

Batch: 8053255

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:
F8B200154 (1): B1RYT1

The MS recovery for Chromium is outside the established QC limits. The RPD is within method acceptance criteria indicating a possible matrix interference. Method performance is demonstrated by acceptable LCS recovery.
Affected Samples:
F8B200154 (1): B1RYT1
F8B200154 (2): B1RYT2
F8B200154 (3): B1RYT3

Ion Chromatography

The anion matrix spike solution contains all routine anions. Spiking technique, sample preparation and method compliance is demonstrated by the remaining acceptable MS recoveries. Poor matrix spike recovery for Sulfate in batch 8052294 and Nitrite in batch 8052295 is attributed to matrix interference.
Affected Samples:
F8B200154 (1): B1RYT1
F8B200154 (2): B1RYT2
F8B200154 (3): B1RYT3

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March 31, 2008
SDG: SL728

Total Organic Halides

Total Organic Halogens were observed in the CCB above the reporting limit in batch 8051445. All associated samples in batch 8051445 are either non-detect for the contaminant or exhibit concentrations greater than ten (10) times the concentrations observed in the CCB, and do not require re-analysis.
Affected Samples:
F8B130118 (1): B1T008
F8B200154 (1): B1RYT1
F8B200154 (2): B1RYT2
F8B200154 (3): B1RYT3
F8B200154 (4): B1RYT4
F8B200154 (5): B1RYT5
F8B200154 (6): B1RYT6
F8B200154 (7): B1RYT7

Total Cyanide

The final CCV, MS, LCS &HCS recoveries for batch 8049038 are outside the upper QC limit, indicating a potential positive bias for Cyanide. Cyanide was not observed above the reporting limit in the associated samples; therefore the sample data was not adversely affected by this excursion.
Affected Samples:
F8B130118 (2): B1T013

There were no observations or nonconformances for the following methods:

Total Organic Carbon
Conductivity

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

Reviewed and approved:

Michael Franks
St. Louis Project Manager

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

METHODS SUMMARY

SL728

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Chloride	MCAWW 300.0A	MCAWW 300.0A
Fluoride	MCAWW 300.0A	MCAWW 300.0A
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	
Nitrate as NO3	MCAWW 300.0A	
Nitrite as N	MCAWW 300.0A	MCAWW 300.0A
Specific Conductance	MCAWW 120.1	
Sulfate	MCAWW 300.0A	MCAWW 300.0A
Total Cyanide	SW846 9012	SW846 9012
Total Organic Carbon	SW846 9060	SW846 9060
Total Organic Halogens	SW846 9020B	SW846 9020B
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

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

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

SAMPLE SUMMARY

SL728 : F8B130118

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KG1P7	001	B1T008	02/11/08	11:03
KG1QK	002	B1T013	02/11/08	09:51

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

SL728 : F8B200154

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KHCV4	001	B1RYT1	02/19/08	10:30
KHCWE	002	B1RYT2	02/19/08	10:30
KHCWG	003	B1RYT3	02/19/08	10:30
KHCWJ	004	B1RYT4	02/19/08	10:30
KHCWM	005	B1RYT5	02/19/08	10:30
KHCWN	006	B1RYT6	02/19/08	10:30
KHCWR	007	B1RYT7	02/19/08	10:30

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.

FLUOR HANFORD

SEQ#: 56728 78487

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **X08-024-49**

Page 1 of 1

Collector: Roy Sickle	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: X08-024	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: Special Sampling, January 2008	HNF-N-50L-15	Ice Chest No.: GRP-05-001 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7909 3664 7214
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
1T008		W	2-11-08	1103	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool~4C
1T008		W			1x20-mL P	Activity Scan	None
1T008		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Roy Sickle			FEB 11 2008 1400	Rod Ex			02-12-08 ~~FEB 11 2008~~
RO Ex			2-12-08 10:20				02.12.08 1020

Matrix *

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

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

TestAmerica St. Louis

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SDG# SL728

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # X08-024-54

Page 1 of 1

Collector: Roy Sickle	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: X08-024	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: Special Sampling, January 2008	HNF-N-506-15	Ice Chest No. GRP-05001 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 7909 3664 7214
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1T013		W	2-11-08	0551	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1T013		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool~4C
B1T013		W			1x250-mL G/P	9012_CYANIDE: Cyanide (1)	NaOH to pH >= 12 Cool~4C
B1T013		W			1x20-mL P	Activity Scan	None
B1T013		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
Roy Sickle	1400 FEB 11 2008	Fed Ex	
Fed Ex	2-12-08 10:20	[signature]	02.12.08 1020

Matrix *

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

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

TestAmerica St. Louis

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Track Shipments/FedEx Kinko's Orders

Detailed Results

Quick Help

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

Status Delivered

Signature image available Yes

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

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

Subscribe to tracking updates (optional)

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

E-mail address	Language	Exception updates	Delivery updates
	English	☐	☐
	English	☐	☐
	English	☐	☐
	English	☐	☐

Select format: HTML Text Wireless

Add personal message:

Not available for Wireless or non-English characters.

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

Submit

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

Condition Upon Receipt Form

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

Shipping Information

Shipper Name: FedEx
Multiple Packages (Y) N

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

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

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

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

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

Notes:
S08-010-292
X08-024-49, 54

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

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

SDG# SL728

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **X08-024-1**

Page 1 of 1

Collector D. J. Sparks	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. X08-024	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title Special Sampling, January 2008	~~HNF-506-14~~ HNF-N-506-14	**Ice Chest No.** SM2-441 **Temp.**
Shipped To (Lab) TestAmerica St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7918 5227 5393
Protocol SURV	**Priority:** 45 Days	**Offsite Property No.**

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

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1RYT1		W	2-19-08	1030	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool~4C
B1RYT1		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1RYT1		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool~4C
B1RYT1		W			1x250-mL G/P	9012_CYANIDE: Cyanide (1)	NaOH to pH >= 12 Cool~4C
B1RYT1		W			1x20-mL P	Activity Scan	None
B1RYT1		W			1x500-mL G/P	120.1_CONDUCT: Conductivity (1)	Cool~4C
B1RYT1		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
D. J. Sparks			FEB 19 2008 1400	FEDEX			
Relinquished By			Date/Time	Received By			Date/Time
ROE			2-20-08 09:45			2/20/08	0945
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

TestAmerica St. Louis

SDG# SL728

FLUOR HANFORD 5L728

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # X08-024-2

Page 1 of 1

Collector: D. J. Sparks	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: X08-024	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: Special Sampling, January 2008	~~HNF 506-14~~ 08 2/19/08 HNF-N-506-14	Ice Chest No.: 3mL-441 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 4185227 5393
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1RYT2		W	2-19-08	1030	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool~4C
B1RYT2		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1RYT2		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool~4C
B1RYT2		W			1x250-mL G/P	9012_CYANIDE: Cyanide (1)	NaOH to pH >= 12 Cool~4C
B1RYT2		W			1x20-mL P	Activity Scan	None
B1RYT2		W			1x500-mL G/P	120.1_CONDUCT: Conductivity (1)	Cool~4C
B1RYT2		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
	D. J. Sparks		FEB 19 2008 1400	FEDEX			
Relinquished By			Date/Time	Received By			Date/Time
FED EX			2-20-08 09:45				2/20/08 0945
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

TestAmerica St. Louis

SDG# SL728

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **X08-024-3**

Collector: D. J. Sparks	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: X08-024	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: Special Sampling, January 2008	HNF-N-506-14	Ice Chest No.: SML-441 Temp.
Shipped To (Lab): TestAmerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7918 3227 5393
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1RYT3		W	2-19-08	1030	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool~4C
B1RYT3		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1RYT3		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool~4C
B1RYT3		W			1x250-mL G/P	9012_CYANIDE: Cyanide (1)	NaOH to pH >= 12 Cool~4C
B1RYT3		W			1x20-mL P	Activity Scan	None
B1RYT3		W			1x500-mL G/P	120.1_CONDUCT: Conductivity (1)	Cool~4C
B1RYT3		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
D. J. Sparks	FEB 19 2008 1400	FEDEX	
Fed Ex	02-20-08 09:45	B. [illegible]	2/20/08 09:15

Matrix *

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

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

TestAmerica St. Louis

SDG# SL728

FLUOR HANFORD

SL728

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **X08-024-4**

Collector D. J. Sparks	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. X08-024	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title Special Sampling, January 2008	HNF-N-506-14	**Ice Chest No.** SML-441 **Temp.**
Shipped To (Lab) TestAmerica St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7910 5227 5393
Protocol SURV	**Priority:** 45 Days	**Offsite Property No.**

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

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1RYT4		W	2-19-08	1030	1x20-mL P	Activity Scan	None
B1RYT4		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
B1RYT4		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1RYT5		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
B1RYT5		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1RYT6		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
B1RYT6		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1RYT7		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
B1RYT7		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
	D. J. Sparks		FEB 19 2008 1400	FEDEX			
RD Ex			2-20-08 09:45				2/20/08 0945

Matrix *

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

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

TestAmerica St. Louis

Track Shipments/FedEx Kinko's Orders

Detailed Results

Quick Help

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

Status Delivered

Signature image available Yes

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

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

Subscribe to tracking updates (optional)

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

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

Select format: ◉ HTML ○ Text ○ Wireless

Add personal message:

Not available for Wireless or non-English characters.

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

Submit

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

- 2110 -

Lot #(s): F8B200154, 163, 166

Condition Upon Receipt Form

Client: Hanford
Quote No: 78487, 78488, 77381
COC/RFA No: See below
Initiated By: KD
Date: 2/20/08
Time: 0945

Shipping Information

Shipper Name: FE

Shipping # (s):*

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

Multiple Packages Y (N)

Sample Temperature (s):**

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

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

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

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

Notes: X08-024-1, 2, 3, 4, S08-010-291, E08-025-40, 168

Corrective Action:

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

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

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

GC/MS VOLATILES

Fluor Hanford Inc

Client Sample ID: B1T008

GC/MS Volatiles

Lot-Sample #...: F8B130118-001 **Work Order #...:** KG1P71AC **Matrix.....:** WATER
Date Sampled...: 02/11/08 **Date Received..:** 02/12/08
Prep Date.....: 02/14/08 **Analysis Date..:** 02/14/08
Prep Batch #...: 8049338
Dilution Factor: 1 **Method.....:** SW846 8260B

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	94	(70 - 119)
Dibromofluoromethane	109	(70 - 124)
1,2-Dichloroethane-d4	108	(63 - 133)
4-Bromofluorobenzene	93	(66 - 115)

Fluor Hanford Inc

B1T008

GC/MS Volatiles

Lot-Sample #: F8B130118-001 **Work Order #:** KG1P71AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

Fluor Hanford Inc

Client Sample ID: B1T008

GC/MS Volatiles

Lot-Sample #...: F8B130118-001 **Work Order #...:** KG1P72AC **Matrix.....:** WATER
Date Sampled...: 02/11/08 **Date Received..:** 02/12/08
Prep Date.....: 02/15/08 **Analysis Date..:** 02/15/08
Prep Batch #...: 8049347
Dilution Factor: 1 **Method.....:** SW846 8260B

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(70 - 119)
Dibromofluoromethane	95	(70 - 124)
1,2-Dichloroethane-d4	98	(63 - 133)
4-Bromofluorobenzene	110	(66 - 115)

Fluor Hanford Inc

B1T008

GC/MS Volatiles

Lot-Sample #: F8B130118-001 **Work Order #:** KG1P72AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

Fluor Hanford Inc

Client Sample ID: B1RYT1

GC/MS Volatiles

Lot-Sample #...: F8B200154-001 **Work Order #...:** KHCV41AX **Matrix.....:** WATER
Date Sampled...: 02/19/08 **Date Received..:** 02/20/08
Prep Date.....: 02/26/08 **Analysis Date..:** 02/26/08
Prep Batch #...: 8060117
Dilution Factor: 1 **Method.....:** SW846 8260B

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	92	(70 - 119)
Dibromofluoromethane	100	(70 - 124)
1,2-Dichloroethane-d4	114	(63 - 133)
4-Bromofluorobenzene	97	(66 - 115)

NOTE(S):

J Estimated result. Result is less than RL.

Fluor Hanford Inc

B1RYT1

GC/MS Volatiles

Lot-Sample #: F8B200154-001 **Work Order #:** KHCV41AX **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

Fluor Hanford Inc

Client Sample ID: B1RYT1

GC/MS Volatiles

Lot-Sample #...: F8B200154-001 **Work Order #...:** KHCV42AX **Matrix.....:** WATER
Date Sampled...: 02/19/08 **Date Received..:** 02/20/08
Prep Date.....: 02/26/08 **Analysis Date..:** 02/26/08
Prep Batch #...: 8060117
Dilution Factor: 50 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Chloroform	**210 D**	**50**	**ug/L**	**5.0**
Carbon tetrachloride	**460 D**	**50**	**ug/L**	**5.0**
Trichloroethene	**160 D**	**50**	**ug/L**	**5.0**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	92	(70 - 119)
Dibromofluoromethane	105	(70 - 124)
1,2-Dichloroethane-d4	117	(63 - 133)
4-Bromofluorobenzene	94	(66 - 115)

NOTE(S):

D Result was obtained from the analysis of a dilution.

Fluor Hanford Inc

Client Sample ID: B1RYT2

GC/MS Volatiles

Lot-Sample #...: F8B200154-002 **Work Order #...:** KHCWE1A7 **Matrix.....:** WATER
Date Sampled...: 02/19/08 **Date Received..:** 02/20/08
Prep Date.....: 02/26/08 **Analysis Date..:** 02/26/08
Prep Batch #...: 8060117
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	ND	1.0	ug/L	0.10
Carbon disulfide	ND	1.0	ug/L	0.10
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.10
1,1,1-Trichloroethane	ND	1.0	ug/L	0.10
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.10
4-Methyl-2-pentanone	ND	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	ND	1.0	ug/L	0.17
Tetrahydrofuran	ND	10	ug/L	1.2
Xylenes (total)	ND	3.0	ug/L	0.30
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1-Butanol	ND	40	ug/L	14
Toluene	**0.14 J**	**1.0**	**ug/L**	**0.10**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	91	(70 - 119)
Dibromofluoromethane	106	(70 - 124)
1,2-Dichloroethane-d4	112	(63 - 133)
4-Bromofluorobenzene	96	(66 - 115)

NOTE(S):

J Estimated result. Result is less than RL.

Fluor Hanford Inc

B1RYT2

GC/MS Volatiles

Lot-Sample #: F8B200154-002 **Work Order #:** KHCWE1A7 **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

Fluor Hanford Inc

Client Sample ID: B1RYT2

GC/MS Volatiles

Lot-Sample #...: F8B200154-002 **Work Order #...:** KHCWE2A7 **Matrix.....:** WATER
Date Sampled...: 02/19/08 **Date Received..:** 02/20/08
Prep Date.....: 02/26/08 **Analysis Date..:** 02/26/08
Prep Batch #...: 8060117
Dilution Factor: 50 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Chloroform	**200 D**	**50**	**ug/L**	**5.0**
Carbon tetrachloride	**260 D**	**50**	**ug/L**	**5.0**
Trichloroethene	**130 D**	**50**	**ug/L**	**5.0**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	91	(70 - 119)
Dibromofluoromethane	104	(70 - 124)
1,2-Dichloroethane-d4	115	(63 - 133)
4-Bromofluorobenzene	92	(66 - 115)

NOTE(S):

D Result was obtained from the analysis of a dilution.

Fluor Hanford Inc

Client Sample ID: B1RYT3

GC/MS Volatiles

Lot-Sample #...: F8B200154-003 **Work Order #...:** KHCWG1A7 **Matrix.....:** WATER
Date Sampled...: 02/19/08 **Date Received..:** 02/20/08
Prep Date.....: 02/26/08 **Analysis Date..:** 02/26/08
Prep Batch #...: 8060117
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	ND	1.0	ug/L	0.10
Carbon disulfide	ND	1.0	ug/L	0.10
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.10
1,1,1-Trichloroethane	ND	1.0	ug/L	0.10
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.10
4-Methyl-2-pentanone	ND	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	ND	1.0	ug/L	0.17
Tetrahydrofuran	ND	10	ug/L	1.2
Xylenes (total)	ND	3.0	ug/L	0.30
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1-Butanol	ND	40	ug/L	14
Toluene	**0.18 J**	**1.0**	**ug/L**	**0.10**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	93	(70 - 119)
Dibromofluoromethane	105	(70 - 124)
1,2-Dichloroethane-d4	112	(63 - 133)
4-Bromofluorobenzene	95	(66 - 115)

NOTE(S):

J Estimated result. Result is less than RL.

Fluor Hanford Inc

B1RYT3

GC/MS Volatiles

Lot-Sample #: F8B200154-003 **Work Order #:** KHCWG1A7 **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

Fluor Hanford Inc

Client Sample ID: B1RYT3

GC/MS Volatiles

Lot-Sample #...: F8B200154-003 **Work Order #...:** KHCWG2A7 **Matrix.....:** WATER
Date Sampled...: 02/19/08 **Date Received..:** 02/20/08
Prep Date.....: 02/26/08 **Analysis Date..:** 02/26/08
Prep Batch #...: 8060117
Dilution Factor: 100 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Chloroform	**510 D**	**100**	**ug/L**	**10**
Carbon tetrachloride	**220 D**	**100**	**ug/L**	**10**
Trichloroethene	**170 D**	**100**	**ug/L**	**10**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	91	(70 - 119)
Dibromofluoromethane	104	(70 - 124)
1,2-Dichloroethane-d4	113	(63 - 133)
4-Bromofluorobenzene	92	(66 - 115)

NOTE(S):

D Result was obtained from the analysis of a dilution.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL728 **Work Order #...:** KG89A1AA **Matrix.....:** WATER
MB Lot-Sample #: F8B180000-338

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

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

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

NOTE(S):

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

* Surrogate recovery is outside stated control limits.

Fluor Hanford Inc

Method Blank Report

GC/MS Volatiles

Lot-Sample #: F8B180000-338 B **Work Order #:** KG89A1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL728 **Work Order #...:** KHAKM1AA **Matrix.....:** WATER
MB Lot-Sample #: F8B180000-347

Prep Date.....: 02/15/08
Analysis Date..: 02/15/08 **Prep Batch #...:** 8049347
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	80	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	2.0	ug/L	SW846 8260B
Acetone	ND	2.0	ug/L	SW846 8260B
Methylene chloride	**0.29 J**	**1.0**	**ug/L**	**SW846 8260B**
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Propionitrile	ND	5.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Tetrahydrofuran	ND	10	ug/L	SW846 8260B
Xylenes (total)	ND	3.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1-Butanol	ND	40	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	113	(70 - 119)
Dibromofluoromethane	107	(70 - 124)
1,2-Dichloroethane-d4	101	(63 - 133)
4-Bromofluorobenzene	125 *	(66 - 115)

NOTE(S):

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

J Estimated result. Result is less than RL.

* Surrogate recovery is outside stated control limits.

Fluor Hanford Inc

Method Blank Report

GC/MS Volatiles

Lot-Sample #: F8B180000-347 B **Work Order #:** KHAKM1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL728 **Work Order #...:** KHTKA1AA **Matrix.....:** WATER
MB Lot-Sample #: F8B290000-117

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

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	80	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	2.0	ug/L	SW846 8260B
Acetone	ND	2.0	ug/L	SW846 8260B
Methylene chloride	**0.13 J**	**1.0**	**ug/L**	**SW846 8260B**
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Propionitrile	ND	5.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Tetrahydrofuran	ND	10	ug/L	SW846 8260B
Xylenes (total)	ND	3.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1-Butanol	ND	40	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	92	(70 - 119)
Dibromofluoromethane	100	(70 - 124)
1,2-Dichloroethane-d4	113	(63 - 133)
4-Bromofluorobenzene	97	(66 - 115)

NOTE(S):

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

J Estimated result. Result is less than RL.

Fluor Hanford Inc

Method Blank Report

GC/MS Volatiles

Lot-Sample #: F8B290000-117 B **Work Order #:** KHTKA1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL728 **Work Order #...:** KG89A1AC **Matrix.....:** WATER
LCS Lot-Sample#: F8B180000-338
Prep Date.....: 02/14/08 **Analysis Date..:** 02/14/08
Prep Batch #...: 8049338
Dilution Factor: 1

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

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

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL728 **Work Order #...:** KG89A1AC **Matrix.....:** WATER
LCS Lot-Sample#: F8B180000-338

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL728 **Work Order #...:** KHAKM1AC **Matrix.....:** WATER
LCS Lot-Sample#: F8B180000-347
Prep Date.....: 02/15/08 **Analysis Date..:** 02/15/08
Prep Batch #...: 8049347
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,4-Dioxane	200	171	ug/L	85	SW846 8260B
1,1-Dichloroethene	10.0	10.5	ug/L	105	SW846 8260B
Ethylbenzene	10.0	10.4	ug/L	104	SW846 8260B
Vinyl chloride	10.0	9.11	ug/L	91	SW846 8260B
Acetone	10.0	11.2	ug/L	112	SW846 8260B
Methylene chloride	10.0	12.9	ug/L	129	SW846 8260B
Carbon disulfide	10.0	9.24	ug/L	92	SW846 8260B
1,1-Dichloroethane	10.0	9.92	ug/L	99	SW846 8260B
2-Butanone	10.0	7.81	ug/L	78	SW846 8260B
Chloroform	10.0	10.1	ug/L	101	SW846 8260B
cis-1,2-Dichloroethene	10.0	10.7	ug/L	107	SW846 8260B
Propionitrile	50.0	45.6	ug/L	91	SW846 8260B
trans-1,2-Dichloroethene	10.0	10.5	ug/L	105	SW846 8260B
1,1,1-Trichloroethane	10.0	10.8	ug/L	108	SW846 8260B
Carbon tetrachloride	10.0	9.77	ug/L	98	SW846 8260B
1,2-Dichloroethane	10.0	10.4	ug/L	104	SW846 8260B
Benzene	10.0	10.0	ug/L	100	SW846 8260B
Trichloroethene	10.0	10.0	ug/L	100	SW846 8260B
4-Methyl-2-pentanone	10.0	8.89	ug/L	89	SW846 8260B
1,1,2-Trichloroethane	10.0	9.16	ug/L	92	SW846 8260B
Tetrachloroethene	10.0	9.70	ug/L	97	SW846 8260B
Tetrahydrofuran	50.0	45.0	ug/L	90	SW846 8260B
1,4-Dichlorobenzene	10.0	9.39	ug/L	94	SW846 8260B
1-Butanol	100	60.5	ug/L	60	SW846 8260B
Toluene	10.0	10.3	ug/L	103	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	107	(84 - 115)
Dibromofluoromethane	110	(81 - 115)
1,2-Dichloroethane-d4	94	(71 - 127)
4-Bromofluorobenzene	100	(74 - 117)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL728 **Work Order #...:** KHAKM1AC **Matrix.....:** WATER
LCS Lot-Sample#: F8B180000-347

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL728 Work Order #...: KHTKA1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F8B290000-117 KHTKA1AD-LCSD
Prep Date.....: 02/26/08 Analysis Date..: 02/26/08
Prep Batch #...: 8060117
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	8.87	ug/L	89		SW846 8260B
	10.0	9.08	ug/L	91	2.3	SW846 8260B
Ethylbenzene	10.0	9.87	ug/L	99		SW846 8260B
	10.0	10.1	ug/L	101	2.3	SW846 8260B
1,4-Dioxane	200	198	ug/L	99		SW846 8260B
	200	204	ug/L	102	3.0	SW846 8260B
Vinyl chloride	10.0	12.2	ug/L	122		SW846 8260B
	10.0	10.9	ug/L	109	11	SW846 8260B
Acetone	10.0	9.32	ug/L	93		SW846 8260B
	10.0	8.33	ug/L	83	11	SW846 8260B
Methylene chloride	10.0	9.24	ug/L	92		SW846 8260B
	10.0	9.72	ug/L	97	5.0	SW846 8260B
Carbon disulfide	10.0	9.71	ug/L	97		SW846 8260B
	10.0	9.48	ug/L	95	2.4	SW846 8260B
1,1-Dichloroethane	10.0	10.6	ug/L	106		SW846 8260B
	10.0	10.9	ug/L	109	2.4	SW846 8260B
2-Butanone	10.0	9.86	ug/L	99		SW846 8260B
	10.0	10.2	ug/L	102	3.5	SW846 8260B
Chloroform	10.0	10.5	ug/L	105		SW846 8260B
	10.0	10.5	ug/L	105	0.38	SW846 8260B
cis-1,2-Dichloroethene	10.0	8.52	ug/L	85		SW846 8260B
	10.0	8.81	ug/L	88	3.4	SW846 8260B
Propionitrile	50.0	46.0	ug/L	92		SW846 8260B
	50.0	53.3	ug/L	107	15	SW846 8260B
trans-1,2-Dichloroethene	10.0	8.90	ug/L	89		SW846 8260B
	10.0	8.98	ug/L	90	0.90	SW846 8260B
1,1,1-Trichloroethane	10.0	10.1	ug/L	101		SW846 8260B
	10.0	10.3	ug/L	103	1.5	SW846 8260B
Carbon tetrachloride	10.0	10.6	ug/L	106		SW846 8260B
	10.0	10.9	ug/L	109	2.4	SW846 8260B
1,2-Dichloroethane	10.0	10.5	ug/L	105		SW846 8260B
	10.0	11.2	ug/L	112	7.0	SW846 8260B
Benzene	10.0	10.1	ug/L	101		SW846 8260B
	10.0	10.3	ug/L	103	1.8	SW846 8260B
Trichloroethene	10.0	9.43	ug/L	94		SW846 8260B
	10.0	9.24	ug/L	92	2.1	SW846 8260B
4-Methyl-2-pentanone	10.0	8.49	ug/L	85		SW846 8260B
	10.0	9.92	ug/L	99	15	SW846 8260B
1,1,2-Trichloroethane	10.0	9.09	ug/L	91		SW846 8260B
	10.0	9.90	ug/L	99	8.5	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL728 **Work Order #...:** KHTKA1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F8B290000-117 KHTKA1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Tetrachloroethene	**10.0**	**8.90**	**ug/L**	**89**		**SW846 8260B**
	10.0	**9.21**	**ug/L**	**92**	**3.4**	**SW846 8260B**
Tetrahydrofuran	**50.0**	**44.3**	**ug/L**	**89**		**SW846 8260B**
	50.0	**51.7**	**ug/L**	**103**	**16**	**SW846 8260B**
1,4-Dichlorobenzene	**10.0**	**9.70**	**ug/L**	**97**		**SW846 8260B**
	10.0	**10.2**	**ug/L**	**102**	**4.9**	**SW846 8260B**
1-Butanol	**100**	**78.7**	**ug/L**	**79**		**SW846 8260B**
	100	**84.6**	**ug/L**	**85**	**7.3**	**SW846 8260B**
Toluene	**10.0**	**9.70**	**ug/L**	**97**		**SW846 8260B**
	10.0	**10.1**	**ug/L**	**101**	**4.2**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	99	(84 - 115)
	101	(84 - 115)
Dibromofluoromethane	103	(81 - 115)
	101	(81 - 115)
1,2-Dichloroethane-d4	109	(71 - 127)
	112	(71 - 127)
4-Bromofluorobenzene	94	(74 - 117)
	97	(74 - 117)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL728 **Work Order #...:** KG1P71AE-MS **Matrix.....:** WATER
MS Lot-Sample #: F8B130118-001 KG1P71AF-MSD
Date Sampled...: 02/11/08 **Date Received..:** 02/12/08
Prep Date.....: 02/14/08 **Analysis Date..:** 02/14/08
Prep Batch #...: 8049338
Dilution Factor: 1

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

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL728 **Work Order #...:** KG1P71AE-MS **Matrix.....:** WATER
MS Lot-Sample #: F8B130118-001 KG1P71AF-MSD

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	95	(70 - 119)
	95	(70 - 119)
Dibromofluoromethane	103	(70 - 124)
	107	(70 - 124)
1,2-Dichloroethane-d4	106	(63 - 133)
	99	(63 - 133)
4-Bromofluorobenzene	91	(66 - 115)
	90	(66 - 115)

NOTE(S):

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

Bold print denotes control parameters

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

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL728 **Work Order #...:** KHCX11AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F8B200166-001 KHCX11AE-MSD
Date Sampled...: 02/17/08 **Date Received..:** 02/20/08
Prep Date.....: 02/26/08 **Analysis Date..:** 02/26/08
Prep Batch #...: 8060117
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	ND	10.0	8.13	ug/L	81		SW846 8260B
	ND	10.0	8.10	ug/L	81	0.41	SW846 8260B
Ethylbenzene	ND	10.0	9.06	ug/L	91		SW846 8260B
	ND	10.0	8.69	ug/L	87	4.1	SW846 8260B
1,4-Dioxane	ND	200	144	ug/L	72		SW846 8260B
	ND	200	195	ug/L	97 p	30	SW846 8260B
Vinyl chloride	ND	10.0	9.84	ug/L	98		SW846 8260B
	ND	10.0	10.1	ug/L	101	2.6	SW846 8260B
Acetone	ND	10.0	7.17	ug/L	72		SW846 8260B
	ND	10.0	7.23	ug/L	72	0.84	SW846 8260B
Methylene chloride	0.91	10.0	11.1	ug/L	102		SW846 8260B
	0.91	10.0	11.3	ug/L	104	1.3	SW846 8260B
Carbon disulfide	ND	10.0	8.04	ug/L	80		SW846 8260B
	ND	10.0	8.01	ug/L	80	0.32	SW846 8260B
1,1-Dichloroethane	ND	10.0	10.8	ug/L	108		SW846 8260B
	ND	10.0	10.4	ug/L	104	4.0	SW846 8260B
2-Butanone	ND	10.0	8.94	ug/L	89		SW846 8260B
	ND	10.0	8.94	ug/L	89	0.03	SW846 8260B
Chloroform	ND	10.0	10.6	ug/L	106		SW846 8260B
	ND	10.0	10.4	ug/L	104	2.4	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	8.86	ug/L	89		SW846 8260B
	ND	10.0	8.35	ug/L	83	6.0	SW846 8260B
Propionitrile	ND	50.0	48.5	ug/L	97		SW846 8260B
	ND	50.0	49.6	ug/L	99	2.4	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	8.68	ug/L	87		SW846 8260B
	ND	10.0	8.37	ug/L	84	3.6	SW846 8260B
1,1,1-Trichloroethane	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	9.93	ug/L	99	4.8	SW846 8260B
Carbon tetrachloride	ND	10.0	10.7	ug/L	107		SW846 8260B
	ND	10.0	10.1	ug/L	101	5.0	SW846 8260B
1,2-Dichloroethane	ND	10.0	11.0	ug/L	110		SW846 8260B
	ND	10.0	10.3	ug/L	103	6.4	SW846 8260B
Benzene	ND	10.0	10.5	ug/L	105		SW846 8260B
	ND	10.0	10.0	ug/L	100	4.5	SW846 8260B
Trichloroethene	ND	10.0	9.28	ug/L	93		SW846 8260B
	ND	10.0	9.08	ug/L	91	2.3	SW846 8260B
4-Methyl-2-pentanone	ND	10.0	8.34	ug/L	83		SW846 8260B
	ND	10.0	7.48	ug/L	75	11	SW846 8260B
1,1,2-Trichloroethane	ND	10.0	8.74	ug/L	87		SW846 8260B
	ND	10.0	8.78	ug/L	88	0.54	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL728 **Work Order #...:** KHCX11AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F8B200166-001 KHCX11AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Tetrachloroethene	**ND**	**10.0**	**7.55**	**ug/L**	**75**		**SW846 8260B**
	ND	**10.0**	**7.36**	**ug/L**	**74**	**2.5**	**SW846 8260B**
Tetrahydrofuran	**ND**	**50.0**	**47.8**	**ug/L**	**96**		**SW846 8260B**
	ND	**50.0**	**47.3**	**ug/L**	**95**	**1.1**	**SW846 8260B**
1,4-Dichlorobenzene	**ND**	**10.0**	**8.34**	**ug/L**	**83**		**SW846 8260B**
	ND	**10.0**	**8.23**	**ug/L**	**82**	**1.3**	**SW846 8260B**
1-Butanol	**ND**	**100**	**87.2**	**ug/L**	**87**		**SW846 8260B**
	ND	**100**	**78.5**	**ug/L**	**79**	**10**	**SW846 8260B**
Toluene	**ND**	**10.0**	**9.02**	**ug/L**	**90**		**SW846 8260B**
	ND	**10.0**	**8.56**	**ug/L**	**86**	**5.2**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	91	(70 - 119)
	90	(70 - 119)
Dibromofluoromethane	103	(70 - 124)
	102	(70 - 124)
1,2-Dichloroethane-d4	107	(63 - 133)
	107	(63 - 133)
4-Bromofluorobenzene	93	(66 - 115)
	93	(66 - 115)

NOTE(S):

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

Bold print denotes control parameters

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

METALS

Fluor Hanford Inc

Client Sample ID: B1T013

TOTAL Metals

Lot-Sample #...: F8B130118-002 **Matrix.....:** WATER
Date Sampled...: 02/11/08 **Date Received..:** 02/12/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8046117						
Antimony	ND	60.0	ug/L	SW846 6010B	02/15-02/19/08	KG1QK1AC
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**9.7 B**	**200**	**ug/L**	**SW846 6010B**	**02/15-02/19/08**	**KG1QK1AD**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	02/15-02/19/08	KG1QK1AE
		Dilution Factor: 1		MDL.....: 1.1		
Cadmium	ND	5.0	ug/L	SW846 6010B	02/15-02/19/08	KG1QK1AF
		Dilution Factor: 1		MDL.....: 3.5		
Calcium	**28200 D**	**10000**	**ug/L**	**SW846 6010B**	**02/15-02/19/08**	**KG1QK1AG**
		Dilution Factor: 2		MDL.....: 200		
Chromium	ND	10.0	ug/L	SW846 6010B	02/15-02/19/08	KG1QK1AH
		Dilution Factor: 1		MDL.....: 2.5		
Cobalt	ND	50.0	ug/L	SW846 6010B	02/15-02/19/08	KG1QK1AJ
		Dilution Factor: 1		MDL.....: 2.0		
Copper	ND	25.0	ug/L	SW846 6010B	02/15-02/19/08	KG1QK1AK
		Dilution Factor: 1		MDL.....: 2.0		
Iron	**19.8 B**	**100**	**ug/L**	**SW846 6010B**	**02/15-02/19/08**	**KG1QK1AL**
		Dilution Factor: 1		MDL.....: 18.6		
Magnesium	**10800**	**5000**	**ug/L**	**SW846 6010B**	**02/15-02/19/08**	**KG1QK1AM**
		Dilution Factor: 1		MDL.....: 128		
Manganese	**1.2 B**	**15.0**	**ug/L**	**SW846 6010B**	**02/15-02/19/08**	**KG1QK1AN**
		Dilution Factor: 1		MDL.....: 1.0		
Nickel	ND	40.0	ug/L	SW846 6010B	02/15-02/19/08	KG1QK1AP
		Dilution Factor: 1		MDL.....: 4.6		
Potassium	ND	5000	ug/L	SW846 6010B	02/15-02/18/08	KG1QK1AQ
		Dilution Factor: 1		MDL.....: 1630		
Silver	ND	10.0	ug/L	SW846 6010B	02/15-02/19/08	KG1QK1AR
		Dilution Factor: 1		MDL.....: 1.7		

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Fluor Hanford Inc

Client Sample ID: B1T013

TOTAL Metals

Lot-Sample #...: F8B130118-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**13400 C**	**5000**	**ug/L**	**SW846 6010B**	**02/15-02/18/08**	**KG1QK1AT**
		Dilution Factor: 1		MDL.....: 78.5		
Strontium	**120 D**	**100**	**ug/L**	**SW846 6010B**	**02/15-02/19/08**	**KG1QK1AU**
		Dilution Factor: 2		MDL.....: 1.1		
Vanadium	**19.0 B**	**50.0**	**ug/L**	**SW846 6010B**	**02/15-02/19/08**	**KG1QK1AV**
		Dilution Factor: 1		MDL.....: 6.1		
Zinc	ND	20.0	ug/L	SW846 6010B	02/15-02/18/08	KG1QK1AW
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

D Result was obtained from the analysis of a dilution.

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

Fluor Hanford Inc

Client Sample ID: B1RYT1

TOTAL Metals

Lot-Sample #...: F8B200154-001 **Matrix.....:** WATER
Date Sampled...: 02/19/08 **Date Received..:** 02/20/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8053255						
Antimony	ND	60.0	ug/L	SW846 6010B	02/22-02/25/08	KHCV41AC
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**7.9 B**	**200**	**ug/L**	**SW846 6010B**	**02/22-02/25/08**	**KHCV41AD**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	02/22-02/25/08	KHCV41AE
		Dilution Factor: 1		MDL.....: 1.1		
Cadmium	ND	5.0	ug/L	SW846 6010B	02/22-02/25/08	KHCV41AF
		Dilution Factor: 1		MDL.....: 3.5		
Calcium	**24900 D**	**10000**	**ug/L**	**SW846 6010B**	**02/22-02/25/08**	**KHCV41AG**
		Dilution Factor: 2		MDL.....: 200		
Chromium	**175 N**	**10.0**	**ug/L**	**SW846 6010B**	**02/22-02/25/08**	**KHCV41AH**
		Dilution Factor: 1		MDL.....: 2.5		
Cobalt	ND	50.0	ug/L	SW846 6010B	02/22-02/25/08	KHCV41AJ
		Dilution Factor: 1		MDL.....: 2.0		
Copper	ND	25.0	ug/L	SW846 6010B	02/22-02/25/08	KHCV41AK
		Dilution Factor: 1		MDL.....: 2.0		
Iron	ND	100	ug/L	SW846 6010B	02/22-02/25/08	KHCV41AL
		Dilution Factor: 1		MDL.....: 18.6		
Magnesium	**9110**	**5000**	**ug/L**	**SW846 6010B**	**02/22-02/25/08**	**KHCV41AM**
		Dilution Factor: 1		MDL.....: 128		
Manganese	ND	15.0	ug/L	SW846 6010B	02/22-02/25/08	KHCV41AN
		Dilution Factor: 1		MDL.....: 1.0		
Nickel	ND	40.0	ug/L	SW846 6010B	02/22-02/25/08	KHCV41AP
		Dilution Factor: 1		MDL.....: 4.6		
Potassium	**2410 B**	**5000**	**ug/L**	**SW846 6010B**	**02/22-02/25/08**	**KHCV41AQ**
		Dilution Factor: 1		MDL.....: 1630		
Silver	ND	10.0	ug/L	SW846 6010B	02/22-02/25/08	KHCV41AR
		Dilution Factor: 1		MDL.....: 1.7		

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Fluor Hanford Inc

Client Sample ID: B1RYT1

TOTAL Metals

Lot-Sample #...: F8B200154-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**11000**	**5000**	**ug/L**	**SW846 6010B**	**02/22-02/25/08**	**KHCV41AT**
		Dilution Factor: 1		MDL.....: 78.5		
Strontium	**106 D**	**100**	**ug/L**	**SW846 6010B**	**02/22-02/25/08**	**KHCV41AU**
		Dilution Factor: 2		MDL.....: 1.1		
Vanadium	**15.6 B**	**50.0**	**ug/L**	**SW846 6010B**	**02/22-02/25/08**	**KHCV41AV**
		Dilution Factor: 1		MDL.....: 6.1		
Zinc	ND	20.0	ug/L	SW846 6010B	02/22-02/25/08	KHCV41AW
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

Fluor Hanford Inc

Client Sample ID: B1RYT2

TOTAL Metals

Lot-Sample #...: F8B200154-002 **Matrix.....:** WATER
Date Sampled...: 02/19/08 **Date Received..:** 02/20/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8053255						
Antimony	ND	60.0	ug/L	SW846 6010B	02/22-02/25/08	KHCWE1AL
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**8.7 B**	**200**	**ug/L**	**SW846 6010B**	**02/22-02/25/08**	**KHCWE1AM**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	02/22-02/25/08	KHCWE1AN
		Dilution Factor: 1		MDL.....: 1.1		
Cadmium	ND	5.0	ug/L	SW846 6010B	02/22-02/25/08	KHCWE1AP
		Dilution Factor: 1		MDL.....: 3.5		
Calcium	**25500**	**5000**	**ug/L**	**SW846 6010B**	**02/22-02/25/08**	**KHCWE1AQ**
		Dilution Factor: 1		MDL.....: 100		
Chromium	**193 N**	**10.0**	**ug/L**	**SW846 6010B**	**02/22-02/25/08**	**KHCWE1AR**
		Dilution Factor: 1		MDL.....: 2.5		
Cobalt	ND	50.0	ug/L	SW846 6010B	02/22-02/25/08	KHCWE1AT
		Dilution Factor: 1		MDL.....: 2.0		
Copper	ND	25.0	ug/L	SW846 6010B	02/22-02/25/08	KHCWE1AU
		Dilution Factor: 1		MDL.....: 2.0		
Iron	ND	100	ug/L	SW846 6010B	02/22-02/25/08	KHCWE1AV
		Dilution Factor: 1		MDL.....: 18.6		
Magnesium	**9990**	**5000**	**ug/L**	**SW846 6010B**	**02/22-02/25/08**	**KHCWE1AW**
		Dilution Factor: 1		MDL.....: 128		
Manganese	ND	15.0	ug/L	SW846 6010B	02/22-02/25/08	KHCWE1AX
		Dilution Factor: 1		MDL.....: 1.0		
Nickel	ND	40.0	ug/L	SW846 6010B	02/22-02/25/08	KHCWE1A0
		Dilution Factor: 1		MDL.....: 4.6		
Potassium	**3970 B**	**5000**	**ug/L**	**SW846 6010B**	**02/22-02/25/08**	**KHCWE1A1**
		Dilution Factor: 1		MDL.....: 1630		
Silver	ND	10.0	ug/L	SW846 6010B	02/22-02/25/08	KHCWE1A2
		Dilution Factor: 1		MDL.....: 1.7		

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Fluor Hanford Inc

Client Sample ID: B1RYT2

TOTAL Metals

Lot-Sample #...: F8B200154-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**12400**	**5000**	**ug/L**	**SW846 6010B**	**02/22-02/25/08**	**KHCWE1A3**
		Dilution Factor: 1		MDL.....: 78.5		
Strontium	**112**	**50.0**	**ug/L**	**SW846 6010B**	**02/22-02/25/08**	**KHCWE1A4**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**17.8 B**	**50.0**	**ug/L**	**SW846 6010B**	**02/22-02/25/08**	**KHCWE1A5**
		Dilution Factor: 1		MDL.....: 6.1		
Zinc	ND	20.0	ug/L	SW846 6010B	02/22-02/25/08	KHCWE1A6
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

N Spiked analyte recovery is outside stated control limits.

Fluor Hanford Inc

Client Sample ID: B1RYT3

TOTAL Metals

Lot-Sample #...: F8B200154-003 **Matrix.....:** WATER
Date Sampled...: 02/19/08 **Date Received..:** 02/20/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8053255						
Antimony	ND	60.0	ug/L	SW846 6010B	02/22-02/25/08	KHCWG1AL
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**8.6 B**	**200**	**ug/L**	**SW846 6010B**	**02/22-02/25/08**	**KHCWG1AM**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	02/22-02/25/08	KHCWG1AN
		Dilution Factor: 1		MDL.....: 1.1		
Cadmium	ND	5.0	ug/L	SW846 6010B	02/22-02/25/08	KHCWG1AP
		Dilution Factor: 1		MDL.....: 3.5		
Calcium	**25400**	**5000**	**ug/L**	**SW846 6010B**	**02/22-02/25/08**	**KHCWG1AQ**
		Dilution Factor: 1		MDL.....: 100		
Chromium	**192 N**	**10.0**	**ug/L**	**SW846 6010B**	**02/22-02/25/08**	**KHCWG1AR**
		Dilution Factor: 1		MDL.....: 2.5		
Cobalt	ND	50.0	ug/L	SW846 6010B	02/22-02/25/08	KHCWG1AT
		Dilution Factor: 1		MDL.....: 2.0		
Copper	ND	25.0	ug/L	SW846 6010B	02/22-02/25/08	KHCWG1AU
		Dilution Factor: 1		MDL.....: 2.0		
Iron	ND	100	ug/L	SW846 6010B	02/22-02/25/08	KHCWG1AV
		Dilution Factor: 1		MDL.....: 18.6		
Magnesium	**9940**	**5000**	**ug/L**	**SW846 6010B**	**02/22-02/25/08**	**KHCWG1AW**
		Dilution Factor: 1		MDL.....: 128		
Manganese	ND	15.0	ug/L	SW846 6010B	02/22-02/25/08	KHCWG1AX
		Dilution Factor: 1		MDL.....: 1.0		
Nickel	ND	40.0	ug/L	SW846 6010B	02/22-02/25/08	KHCWG1A0
		Dilution Factor: 1		MDL.....: 4.6		
Potassium	**2590 B**	**5000**	**ug/L**	**SW846 6010B**	**02/22-02/25/08**	**KHCWG1A1**
		Dilution Factor: 1		MDL.....: 1630		
Silver	ND	10.0	ug/L	SW846 6010B	02/22-02/25/08	KHCWG1A2
		Dilution Factor: 1		MDL.....: 1.7		

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Fluor Hanford Inc

Client Sample ID: B1RYT3

TOTAL Metals

Lot-Sample #...: F8B200154-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**11900**	**5000**	**ug/L**	**SW846 6010B**	**02/22-02/25/08**	**KHCWG1A3**
		Dilution Factor: 1		MDL.....: 78.5		
Strontium	**111**	**50.0**	**ug/L**	**SW846 6010B**	**02/22-02/25/08**	**KHCWG1A4**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**17.9 B**	**50.0**	**ug/L**	**SW846 6010B**	**02/22-02/25/08**	**KHCWG1A5**
		Dilution Factor: 1		MDL.....: 6.1		
Zinc	ND	20.0	ug/L	SW846 6010B	02/22-02/25/08	KHCWG1A6
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

N Spiked analyte recovery is outside stated control limits.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: SL728 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: F8B150000-117 **Prep Batch #...:** 8046117						
Antimony	ND	60.0	ug/L	SW846 6010B	02/15-02/19/08	KG5K41AA
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010B	02/15-02/19/08	KG5K41AC
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	02/15-02/19/08	KG5K41AD
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	02/15-02/19/08	KG5K41AE
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010B	02/15-02/19/08	KG5K41AF
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	02/15-02/19/08	KG5K41AG
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010B	02/15-02/19/08	KG5K41AH
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	02/15-02/19/08	KG5K41AJ
		Dilution Factor: 1				
Iron	ND	100	ug/L	SW846 6010B	02/15-02/19/08	KG5K41AK
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010B	02/15-02/19/08	KG5K41AL
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010B	02/15-02/19/08	KG5K41AM
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	02/15-02/19/08	KG5K41AN
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010B	02/15-02/18/08	KG5K41AP
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	02/15-02/19/08	KG5K41AQ
		Dilution Factor: 1				
Sodium	**112 B**	**5000**	**ug/L**	**SW846 6010B**	**02/15-02/18/08**	**KG5K41AR**
		Dilution Factor: 1				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: SL728 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Strontium	ND	50.0	ug/L	SW846 6010B	02/15-02/19/08	KG5K41AT
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010B	02/15-02/19/08	KG5K41AU
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	02/15-02/18/08	KG5K41AV
		Dilution Factor: 1				

MB Lot-Sample #: F8B220000-255 **Prep Batch #...:** 8053255

Antimony	ND	60.0	ug/L	SW846 6010B	02/22-02/25/08	KHH7Q1AA
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010B	02/22-02/25/08	KHH7Q1AC
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	02/22-02/25/08	KHH7Q1AD
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	02/22-02/25/08	KHH7Q1AE
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010B	02/22-02/25/08	KHH7Q1AF
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	02/22-02/25/08	KHH7Q1AG
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010B	02/22-02/25/08	KHH7Q1AH
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	02/22-02/25/08	KHH7Q1AJ
		Dilution Factor: 1				
Iron	ND	100	ug/L	SW846 6010B	02/22-02/25/08	KHH7Q1AK
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010B	02/22-02/25/08	KHH7Q1AL
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010B	02/22-02/25/08	KHH7Q1AM
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	02/22-02/25/08	KHH7Q1AN
		Dilution Factor: 1				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: SL728 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Potassium	ND	5000	ug/L	SW846 6010B	02/22-02/25/08	KHH7Q1AP
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	02/22-02/25/08	KHH7Q1AQ
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010B	02/22-02/25/08	KHH7Q1AR
		Dilution Factor: 1				
Strontium	ND	50.0	ug/L	SW846 6010B	02/22-02/25/08	KHH7Q1AT
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010B	02/22-02/25/08	KHH7Q1AU
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	02/22-02/25/08	KHH7Q1AV
		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 #...: SL728 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: F8B150000-117 **Prep Batch #...:** 8046117							
Antimony	500	547	ug/L	109	SW846 6010B	02/15-02/19/08	KG5K41AW
			Dilution Factor: 1				
Barium	500	547	ug/L	109	SW846 6010B	02/15-02/19/08	KG5K41AX
			Dilution Factor: 1				
Beryllium	500	571	ug/L	114	SW846 6010B	02/15-02/19/08	KG5K41A0
			Dilution Factor: 1				
Cadmium	500	549	ug/L	110	SW846 6010B	02/15-02/19/08	KG5K41A1
			Dilution Factor: 1				
Calcium	10000	10600	ug/L	106	SW846 6010B	02/15-02/19/08	KG5K41A2
			Dilution Factor: 1				
Chromium	500	538	ug/L	108	SW846 6010B	02/15-02/19/08	KG5K41A3
			Dilution Factor: 1				
Cobalt	500	534	ug/L	107	SW846 6010B	02/15-02/19/08	KG5K41A4
			Dilution Factor: 1				
Copper	500	518	ug/L	104	SW846 6010B	02/15-02/19/08	KG5K41A5
			Dilution Factor: 1				
Iron	500	577	ug/L	115	SW846 6010B	02/15-02/19/08	KG5K41A6
			Dilution Factor: 1				
Magnesium	10000	10200	ug/L	102	SW846 6010B	02/15-02/19/08	KG5K41A7
			Dilution Factor: 1				
Manganese	500	542	ug/L	108	SW846 6010B	02/15-02/19/08	KG5K41A8
			Dilution Factor: 1				
Nickel	500	539	ug/L	108	SW846 6010B	02/15-02/19/08	KG5K41A9
			Dilution Factor: 1				
Potassium	10000	9420	ug/L	94	SW846 6010B	02/15-02/18/08	KG5K41CA
			Dilution Factor: 1				
Silver	125	131	ug/L	104	SW846 6010B	02/15-02/19/08	KG5K41CC
			Dilution Factor: 1				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: SL728 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	10000	10500	ug/L	105	SW846 6010B	02/15-02/18/08	KG5K41CD
			Dilution Factor: 1				
Strontium	500	555	ug/L	111	SW846 6010B	02/15-02/19/08	KG5K41CE
			Dilution Factor: 1				
Vanadium	500	539	ug/L	108	SW846 6010B	02/15-02/19/08	KG5K41CF
			Dilution Factor: 1				
Zinc	500	514	ug/L	103	SW846 6010B	02/15-02/18/08	KG5K41CG
			Dilution Factor: 1				
LCS Lot-Sample#: F8B220000-255 **Prep Batch #...:** 8053255							
Antimony	500	529	ug/L	106	SW846 6010B	02/22-02/25/08	KHH7Q1AW
			Dilution Factor: 1				
Barium	500	529	ug/L	106	SW846 6010B	02/22-02/25/08	KHH7Q1AX
			Dilution Factor: 1				
Beryllium	500	548	ug/L	110	SW846 6010B	02/22-02/25/08	KHH7Q1A0
			Dilution Factor: 1				
Cadmium	500	528	ug/L	106	SW846 6010B	02/22-02/25/08	KHH7Q1A1
			Dilution Factor: 1				
Calcium	10000	10300	ug/L	103	SW846 6010B	02/22-02/25/08	KHH7Q1A2
			Dilution Factor: 1				
Chromium	500	517	ug/L	103	SW846 6010B	02/22-02/25/08	KHH7Q1A3
			Dilution Factor: 1				
Cobalt	500	514	ug/L	103	SW846 6010B	02/22-02/25/08	KHH7Q1A4
			Dilution Factor: 1				
Copper	500	497	ug/L	99	SW846 6010B	02/22-02/25/08	KHH7Q1A5
			Dilution Factor: 1				
Iron	500	557	ug/L	111	SW846 6010B	02/22-02/25/08	KHH7Q1A6
			Dilution Factor: 1				
Magnesium	10000	9840	ug/L	98	SW846 6010B	02/22-02/25/08	KHH7Q1A7
			Dilution Factor: 1				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: SL728 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	500	522	ug/L	104	SW846 6010B	02/22-02/25/08	KHH7Q1A8
			Dilution Factor: 1				
Nickel	500	520	ug/L	104	SW846 6010B	02/22-02/25/08	KHH7Q1A9
			Dilution Factor: 1				
Potassium	10000	10400	ug/L	104	SW846 6010B	02/22-02/25/08	KHH7Q1CA
			Dilution Factor: 1				
Silver	125	127	ug/L	101	SW846 6010B	02/22-02/25/08	KHH7Q1CC
			Dilution Factor: 1				
Sodium	10000	10500	ug/L	105	SW846 6010B	02/22-02/25/08	KHH7Q1CD
			Dilution Factor: 1				
Strontium	500	547	ug/L	109	SW846 6010B	02/22-02/25/08	KHH7Q1CE
			Dilution Factor: 1				
Vanadium	500	519	ug/L	104	SW846 6010B	02/22-02/25/08	KHH7Q1CF
			Dilution Factor: 1				
Zinc	500	558	ug/L	112	SW846 6010B	02/22-02/25/08	KHH7Q1CG
			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 #...: SL728 **Matrix.....:** WATER
Date Sampled...: 02/11/08 **Date Received..:** 02/12/08

MS Lot-Sample #: F8B130118-002 **Prep Batch #...:** 8046117

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony									
	ND	250	266	ug/L	106		SW846 6010B	02/15-02/19/08	KG1QK1CD
	ND	250	263	ug/L	105	1.2	SW846 6010B	02/15-02/19/08	KG1QK1CE
			Dilution Factor: 1						
Barium									
	9.7	1000	1100	ug/L	109		SW846 6010B	02/15-02/19/08	KG1QK1CF
	9.7	1000	1090	ug/L	108	0.46	SW846 6010B	02/15-02/19/08	KG1QK1CG
			Dilution Factor: 1						
Beryllium									
	ND	25.0	27.8	ug/L	111		SW846 6010B	02/15-02/19/08	KG1QK1CH
	ND	25.0	27.6	ug/L	111	0.64	SW846 6010B	02/15-02/19/08	KG1QK1CJ
			Dilution Factor: 1						
Cadmium									
	ND	25.0	26.8	ug/L	107		SW846 6010B	02/15-02/19/08	KG1QK1CK
	ND	25.0	26.4	ug/L	106	1.4	SW846 6010B	02/15-02/19/08	KG1QK1CL
			Dilution Factor: 1						
Calcium									
	28200	25000	53600 D	ug/L	102		SW846 6010B	02/15-02/19/08	KG1QK1CM
	28200	25000	51800 D	ug/L	95	3.3	SW846 6010B	02/15-02/19/08	KG1QK1CN
			Dilution Factor: 2						
Chromium									
	ND	100	107	ug/L	107		SW846 6010B	02/15-02/19/08	KG1QK1CP
	ND	100	106	ug/L	106	0.15	SW846 6010B	02/15-02/19/08	KG1QK1CQ
			Dilution Factor: 1						
Cobalt									
	ND	250	264	ug/L	106		SW846 6010B	02/15-02/19/08	KG1QK1CR
	ND	250	262	ug/L	105	1.1	SW846 6010B	02/15-02/19/08	KG1QK1CT
			Dilution Factor: 1						
Copper									
	ND	125	131	ug/L	105		SW846 6010B	02/15-02/19/08	KG1QK1CU
	ND	125	132	ug/L	105	0.12	SW846 6010B	02/15-02/19/08	KG1QK1CV
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: SL728 **Matrix.....:** WATER
Date Sampled...: 02/11/08 **Date Received..:** 02/12/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron									
	19.8	500	583	ug/L	113		SW846 6010B	02/15-02/19/08	KG1QK1CW
	19.8	500	558	ug/L	108	4.4	SW846 6010B	02/15-02/19/08	KG1QK1CX
			Dilution Factor: 1						
Magnesium									
	10800	25000	36700	ug/L	104		SW846 6010B	02/15-02/19/08	KG1QK1C0
	10800	25000	36000	ug/L	101	2.1	SW846 6010B	02/15-02/19/08	KG1QK1C1
			Dilution Factor: 1						
Manganese									
	1.2	250	271	ug/L	108		SW846 6010B	02/15-02/19/08	KG1QK1C2
	1.2	250	268	ug/L	107	0.97	SW846 6010B	02/15-02/19/08	KG1QK1C3
			Dilution Factor: 1						
Nickel									
	ND	250	264	ug/L	105		SW846 6010B	02/15-02/19/08	KG1QK1C4
	ND	250	261	ug/L	104	0.85	SW846 6010B	02/15-02/19/08	KG1QK1C5
			Dilution Factor: 1						
Potassium									
	ND	25000	29700	ug/L	119		SW846 6010B	02/15-02/18/08	KG1QK1C6
	ND	25000	29300	ug/L	117	1.2	SW846 6010B	02/15-02/18/08	KG1QK1C7
			Dilution Factor: 1						
Silver									
	ND	25.0	24.8	ug/L	99		SW846 6010B	02/15-02/19/08	KG1QK1C8
	ND	25.0	24.5	ug/L	98	1.1	SW846 6010B	02/15-02/19/08	KG1QK1C9
			Dilution Factor: 1						
Sodium									
	13400	25000	39500	ug/L	105		SW846 6010B	02/15-02/18/08	KG1QK1DA
	13400	25000	38900	ug/L	102	1.5	SW846 6010B	02/15-02/18/08	KG1QK1DC
			Dilution Factor: 1						
Strontium									
	120	500	662 D	ug/L	108		SW846 6010B	02/15-02/19/08	KG1QK1DD
	120	500	651 D	ug/L	106	1.7	SW846 6010B	02/15-02/19/08	KG1QK1DE
			Dilution Factor: 2						
Vanadium									
	19.0	250	284	ug/L	106		SW846 6010B	02/15-02/19/08	KG1QK1DF
	19.0	250	282	ug/L	105	1.0	SW846 6010B	02/15-02/19/08	KG1QK1DG
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: SL728 **Matrix.....:** WATER
Date Sampled...: 02/11/08 **Date Received..:** 02/12/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	ND	250	265	ug/L	106		SW846 6010B	02/15-02/18/08	KG1QK1DH
	ND	250	266	ug/L	107	0.56	SW846 6010B	02/15-02/18/08	KG1QK1DJ

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

TOTAL Metals

Client Lot #...: SL728 **Matrix.....:** WATER
Date Sampled...: 02/19/08 **Date Received..:** 02/20/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F8B200154-001 **Prep Batch #...:** 8053255									
Antimony									
	ND	250	264	ug/L	106		SW846 6010B	02/22-02/25/08	KHCV41CC
	ND	250	257	ug/L	103	2.8	SW846 6010B	02/22-02/25/08	KHCV41CD
			Dilution Factor: 1						
Barium									
	7.9	1000	1070	ug/L	106		SW846 6010B	02/22-02/25/08	KHCV41CE
	7.9	1000	1030	ug/L	102	3.5	SW846 6010B	02/22-02/25/08	KHCV41CF
			Dilution Factor: 1						
Beryllium									
	ND	25.0	27.3	ug/L	109		SW846 6010B	02/22-02/25/08	KHCV41CG
	ND	25.0	26.6	ug/L	106	2.8	SW846 6010B	02/22-02/25/08	KHCV41CH
			Dilution Factor: 1						
Cadmium									
	ND	25.0	26.4	ug/L	106		SW846 6010B	02/22-02/25/08	KHCV41CJ
	ND	25.0	25.7	ug/L	103	2.7	SW846 6010B	02/22-02/25/08	KHCV41CK
			Dilution Factor: 1						
Calcium									
	24900	25000	50700 D	ug/L	103		SW846 6010B	02/22-02/25/08	KHCV41CL
	24900	25000	52300 D	ug/L	110	3.0	SW846 6010B	02/22-02/25/08	KHCV41CM
			Dilution Factor: 2						
Chromium									
	175	100	305 N	ug/L	130		SW846 6010B	02/22-02/25/08	KHCV41CN
	175	100	295	ug/L	120	3.3	SW846 6010B	02/22-02/25/08	KHCV41CP
			Dilution Factor: 1						
Cobalt									
	ND	250	255	ug/L	102		SW846 6010B	02/22-02/25/08	KHCV41CQ
	ND	250	246	ug/L	98	3.8	SW846 6010B	02/22-02/25/08	KHCV41CR
			Dilution Factor: 1						
Copper									
	ND	125	127	ug/L	102		SW846 6010B	02/22-02/25/08	KHCV41CT
	ND	125	123	ug/L	98	3.5	SW846 6010B	02/22-02/25/08	KHCV41CU
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: SL728 **Matrix.....:** WATER
Date Sampled...: 02/19/08 **Date Received..:** 02/20/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron									
	ND	500	542	ug/L	108		SW846 6010B	02/22-02/25/08	KHCV41CV
	ND	500	515	ug/L	103	5.2	SW846 6010B	02/22-02/25/08	KHCV41CW
			Dilution Factor: 1						
Magnesium									
	9110	25000	35600	ug/L	106		SW846 6010B	02/22-02/25/08	KHCV41CX
	9110	25000	34400	ug/L	101	3.4	SW846 6010B	02/22-02/25/08	KHCV41C0
			Dilution Factor: 1						
Manganese									
	ND	250	261	ug/L	104		SW846 6010B	02/22-02/25/08	KHCV41C1
	ND	250	251	ug/L	100	3.8	SW846 6010B	02/22-02/25/08	KHCV41C2
			Dilution Factor: 1						
Nickel									
	ND	250	257	ug/L	103		SW846 6010B	02/22-02/25/08	KHCV41C3
	ND	250	248	ug/L	99	3.4	SW846 6010B	02/22-02/25/08	KHCV41C4
			Dilution Factor: 1						
Potassium									
	2410	25000	30800	ug/L	114		SW846 6010B	02/22-02/25/08	KHCV41C5
	2410	25000	28900	ug/L	106	6.4	SW846 6010B	02/22-02/25/08	KHCV41C6
			Dilution Factor: 1						
Silver									
	ND	25.0	25.1	ug/L	100		SW846 6010B	02/22-02/25/08	KHCV41C7
	ND	25.0	24.0	ug/L	96	4.5	SW846 6010B	02/22-02/25/08	KHCV41C8
			Dilution Factor: 1						
Sodium									
	11000	25000	38700	ug/L	111		SW846 6010B	02/22-02/25/08	KHCV41C9
	11000	25000	37600	ug/L	106	2.9	SW846 6010B	02/22-02/25/08	KHCV41DA
			Dilution Factor: 1						
Strontium									
	106	500	633 D	ug/L	105		SW846 6010B	02/22-02/25/08	KHCV41DC
	106	500	647 D	ug/L	108	2.2	SW846 6010B	02/22-02/25/08	KHCV41DD
			Dilution Factor: 2						
Vanadium									
	15.6	250	276	ug/L	104		SW846 6010B	02/22-02/25/08	KHCV41DE
	15.6	250	266	ug/L	100	4.0	SW846 6010B	02/22-02/25/08	KHCV41DF
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: SL728 **Matrix.....:** WATER
Date Sampled...: 02/19/08 **Date Received..:** 02/20/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	ND	250	282	ug/L	113		SW846 6010B	02/22-02/25/08	KHCV41DG
	ND	250	269	ug/L	108	4.4	SW846 6010B	02/22-02/25/08	KHCV41DH

Dilution Factor: 1

NOTE(S):

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

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

WET CHEMISTRY

Fluor Hanford Inc

Client Sample ID: B1T008

General Chemistry

Lot-Sample #...: F8B130118-001 **Work Order #...:** KG1P7 **Matrix.....:** WATER
Date Sampled...: 02/11/08 **Date Received..:** 02/12/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	**4.1 B**	**5.0**	**ug/L**	**SW846 9020B**	**03/04/08**	**8051445**

Dilution Factor: 1 MDL.....: 2.2

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1T013

General Chemistry

Lot-Sample #...: F8B130118-002 **Work Order #...:** KG1QK **Matrix.....:** WATER
Date Sampled...: 02/11/08 **Date Received..:** 02/12/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**3.5**	**0.20**	**mg/L**	**MCAWW 300.0A**	**02/12/08**	**8044222**
		Dilution Factor: 1		MDL.....: 0.020		
Fluoride	**0.31**	**0.10**	**mg/L**	**MCAWW 300.0A**	**02/12/08**	**8044223**
		Dilution Factor: 1		MDL.....: 0.025		
Nitrite	ND	0.020	mg/L	MCAWW 300.0A	02/12/08	8044225
		Dilution Factor: 1		MDL.....: 0.0050		
Nitrogen, Nitrate	**0.35**	**0.020**	**mg/L**	**MCAWW 300.0A**	**02/12/08**	**8044226**
		Dilution Factor: 1		MDL.....: 0.0086		
Sulfate	**13.5**	**0.50**	**mg/L**	**MCAWW 300.0A**	**02/12/08**	**8044224**
		Dilution Factor: 1		MDL.....: 0.050		
Total Cyanide	ND	5.0	ug/L	SW846 9012	02/18/08	8049038
		Dilution Factor: 1		MDL.....: 2.8		
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/05/08	8065330
		Dilution Factor: 1		MDL.....: 0.76		

Fluor Hanford Inc

Client Sample ID: B1RYT1

General Chemistry

Lot-Sample #...: F8B200154-001 **Work Order #...:** KHCV4 **Matrix.....:** WATER
Date Sampled...: 02/19/08 **Date Received..:** 02/20/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	30.4 D	2.0	mg/L	MCAWW 300.0A	02/20/08	8052292
		Dilution Factor: 10		MDL.....: 0.20		
Conductivity	453	1.0	uS/cm	MCAWW 120.1	02/26/08	8057052
		Dilution Factor: 1		MDL.....: 0.23		
Fluoride	5.4 D	1.0	mg/L	MCAWW 300.0A	02/20/08	8052293
		Dilution Factor: 10		MDL.....: 0.25		
Nitrite	1.2 DN	0.20	mg/L	MCAWW 300.0A	02/20/08	8052295
		Dilution Factor: 10		MDL.....: 0.050		
Nitrogen, Nitrate	58.6 D	2.0	mg/L	MCAWW 300.0A	02/20/08	8052296
		Dilution Factor: 100		MDL.....: 0.86		
Sulfate	13.1 N	0.50	mg/L	MCAWW 300.0A	02/20/08	8052294
		Dilution Factor: 1		MDL.....: 0.050		
Total Cyanide	227	5.0	ug/L	SW846 9012	02/21/08	8052035
		Dilution Factor: 1		MDL.....: 2.8		
TOX	856	5.0	ug/L	SW846 9020B	03/04/08	8051445
		Dilution Factor: 1		MDL.....: 2.2		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

DN Result obtained from dilution; spike sample recovery outside control limits.

N Spiked analyte recovery is outside stated control limits.

Fluor Hanford Inc

Client Sample ID: B1RYT2

General Chemistry

Lot-Sample #...: F8B200154-002 **Work Order #...:** KHCWE **Matrix.....:** WATER
Date Sampled...: 02/19/08 **Date Received..:** 02/20/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	29.9 D	2.0	mg/L	MCAWW 300.0A	02/20/08	8052292
		Dilution Factor: 10		MDL.....: 0.20		
Conductivity	448	1.0	uS/cm	MCAWW 120.1	02/26/08	8057052
		Dilution Factor: 1		MDL.....: 0.23		
Fluoride	5.3 D	1.0	mg/L	MCAWW 300.0A	02/20/08	8052293
		Dilution Factor: 10		MDL.....: 0.25		
Nitrite	1.3 DN	0.20	mg/L	MCAWW 300.0A	02/20/08	8052295
		Dilution Factor: 10		MDL.....: 0.050		
Nitrogen, Nitrate	54.0 D	2.0	mg/L	MCAWW 300.0A	02/20/08	8052296
		Dilution Factor: 100		MDL.....: 0.86		
Sulfate	13.1 N	0.50	mg/L	MCAWW 300.0A	02/20/08	8052294
		Dilution Factor: 1		MDL.....: 0.050		
Total Cyanide	222	5.0	ug/L	SW846 9012	02/21/08	8052035
		Dilution Factor: 1		MDL.....: 2.8		
TOX	761	5.0	ug/L	SW846 9020B	03/04/08	8051445
		Dilution Factor: 1		MDL.....: 2.2		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

DN Result obtained from dilution; spike sample recovery outside control limits.

N Spiked analyte recovery is outside stated control limits.

Fluor Hanford Inc

Client Sample ID: B1RYT3

General Chemistry

Lot-Sample #...: F8B200154-003 Work Order #...: KHCWG Matrix.....: WATER
Date Sampled...: 02/19/08 Date Received..: 02/20/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	30.1 D	2.0	mg/L	MCAWW 300.0A	02/20/08	8052292
		Dilution Factor: 10		MDL.....: 0.20		
Conductivity	449	1.0	uS/cm	MCAWW 120.1	02/26/08	8057052
		Dilution Factor: 1		MDL.....: 0.23		
Fluoride	5.4 D	1.0	mg/L	MCAWW 300.0A	02/20/08	8052293
		Dilution Factor: 10		MDL.....: 0.25		
Nitrite	1.3 DN	0.20	mg/L	MCAWW 300.0A	02/20/08	8052295
		Dilution Factor: 10		MDL.....: 0.050		
Nitrogen, Nitrate	57.2 D	2.0	mg/L	MCAWW 300.0A	02/20/08	8052296
		Dilution Factor: 100		MDL.....: 0.86		
Sulfate	13.0 N	0.50	mg/L	MCAWW 300.0A	02/20/08	8052294
		Dilution Factor: 1		MDL.....: 0.050		
Total Cyanide	210	5.0	ug/L	SW846 9012	02/21/08	8052035
		Dilution Factor: 1		MDL.....: 2.8		
TOX	849	5.0	ug/L	SW846 9020B	03/04/08	8051445
		Dilution Factor: 1		MDL.....: 2.2		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

DN Result obtained from dilution; spike sample recovery outside control limits.

N Spiked analyte recovery is outside stated control limits.

Fluor Hanford Inc

Client Sample ID: B1RYT4

General Chemistry

Lot-Sample #...: F8B200154-004 **Work Order #...:** KHCWJ **Matrix.....:** WATER
Date Sampled...: 02/19/08 **Date Received..:** 02/20/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	0.96 B	1.0	mg/L	SW846 9060	03/05/08	8065330
		Dilution Factor: 1		MDL.....: 0.76		
TOX	1290	5.0	ug/L	SW846 9020B	03/04/08	8051445
		Dilution Factor: 1		MDL.....: 2.2		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1RYT5

General Chemistry

Lot-Sample #...: F8B200154-005 **Work Order #...:** KHCWM **Matrix.....:** WATER
Date Sampled...: 02/19/08 **Date Received..:** 02/20/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	0.98 B	1.0	mg/L	SW846 9060	03/05/08	8065330
		Dilution Factor: 1		MDL.....: 0.76		
TOX	1310	5.0	ug/L	SW846 9020B	03/04/08	8051445
		Dilution Factor: 1		MDL.....: 2.2		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1RYT6

General Chemistry

Lot-Sample #...: F8B200154-006 **Work Order #...:** KHCWN **Matrix.....:** WATER
Date Sampled...: 02/19/08 **Date Received..:** 02/20/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	0.95 B	1.0	mg/L	SW846 9060	03/05/08	8065330
		Dilution Factor: 1		MDL.....: 0.76		
TOX	1310	5.0	ug/L	SW846 9020B	03/04/08	8051445
		Dilution Factor: 1		MDL.....: 2.2		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1RYT7

General Chemistry

Lot-Sample #...: F8B200154-007 Work Order #...: KHCWR Matrix.....: WATER
Date Sampled...: 02/19/08 Date Received..: 02/20/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	0.99 B	1.0	mg/L	SW846 9060	03/05/08	8065330
		Dilution Factor: 1		MDL.....: 0.76		
TOX	1320	5.0	ug/L	SW846 9020B	03/04/08	8051445
		Dilution Factor: 1		MDL.....: 2.2		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: SL728 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: KG3731AA		MB Lot-Sample #:	F8B130000-222	
	ND	0.20	mg/L	MCAWW 300.0A	02/12/08	8044222
		Dilution Factor: 1				
Chloride		Work Order #: KHJH31AA		MB Lot-Sample #:	F8B210000-292	
	ND	0.20	mg/L	MCAWW 300.0A	02/20/08	8052292
		Dilution Factor: 1				
Conductivity		Work Order #: KHLLR1AA		MB Lot-Sample #:	F8B260000-052	
	ND	1.0	uS/cm	MCAWW 120.1	02/26/08	8057052
		Dilution Factor: 1				
Fluoride		Work Order #: KG3771AA		MB Lot-Sample #:	F8B130000-223	
	ND	0.10	mg/L	MCAWW 300.0A	02/12/08	8044223
		Dilution Factor: 1				
Fluoride		Work Order #: KHJH41AA		MB Lot-Sample #:	F8B210000-293	
	ND	0.10	mg/L	MCAWW 300.0A	02/20/08	8052293
		Dilution Factor: 1				
Nitrite		Work Order #: KG38D1AA		MB Lot-Sample #:	F8B130000-225	
	ND	0.020	mg/L	MCAWW 300.0A	02/12/08	8044225
		Dilution Factor: 1				
Nitrite		Work Order #: KHJH61AA		MB Lot-Sample #:	F8B210000-295	
	ND	0.020	mg/L	MCAWW 300.0A	02/20/08	8052295
		Dilution Factor: 1				
Nitrogen, Nitrate		Work Order #: KG38G1AA		MB Lot-Sample #:	F8B130000-226	
	ND	0.020	mg/L	MCAWW 300.0A	02/12/08	8044226
		Dilution Factor: 1				
Nitrogen, Nitrate		Work Order #: KHJH71AA		MB Lot-Sample #:	F8B210000-296	
	ND	0.020	mg/L	MCAWW 300.0A	02/20/08	8052296
		Dilution Factor: 1				
Sulfate		Work Order #: KG38C1AA		MB Lot-Sample #:	F8B130000-224	
	ND	0.50	mg/L	MCAWW 300.0A	02/12/08	8044224
		Dilution Factor: 1				
Sulfate		Work Order #: KHJH51AA		MB Lot-Sample #:	F8B210000-294	
	ND	0.50	mg/L	MCAWW 300.0A	02/20/08	8052294
		Dilution Factor: 1				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: SL728 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		Work Order #: KG8FM1AA		MB Lot-Sample #:	F8B180000-038	
	ND	5.0	ug/L	SW846 9012	02/18/08	8049038
		Dilution Factor: 1				
Total Cyanide		Work Order #: KHERH1AA		MB Lot-Sample #:	F8B210000-035	
	ND	5.0	ug/L	SW846 9012	02/21/08	8052035
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: KH4ML1AA		MB Lot-Sample #:	F8C050000-330	
	ND	1.0	mg/L	SW846 9060	03/05/08	8065330
		Dilution Factor: 1				
TOX		Work Order #: KH2JG1AA		MB Lot-Sample #:	F8B200000-445	
	ND	5.0	ug/L	SW846 9020B	03/04/08	8051445
		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 #...: SL728 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		WO#:KH4ML1AC-LCS/KH4ML1AD-LCSD LCS Lot-Sample#: F8C050000-330						
	6.00	6.01	mg/L	100		SW846 9060	03/05/08	8065330
	6.00	6.06	mg/L	101	0.69	SW846 9060	03/05/08	8065330

Dilution Factor: 1

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL728 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride			Work Order #: KG3731AC		LCS Lot-Sample#:	F8B130000-222	
	2.00	1.99	mg/L	100	MCAWW 300.0A	02/12/08	8044222
			Dilution Factor: 1				
Chloride			Work Order #: KHJH31AC		LCS Lot-Sample#:	F8B210000-292	
	2.00	1.98	mg/L	99	MCAWW 300.0A	02/20/08	8052292
			Dilution Factor: 1				
Conductivity			Work Order #: KHLLR1AC		LCS Lot-Sample#:	F8B260000-052	
	1410	1420	uS/cm	101	MCAWW 120.1	02/26/08	8057052
			Dilution Factor: 1				
Fluoride			Work Order #: KG3771AC		LCS Lot-Sample#:	F8B130000-223	
	1.00	0.978	mg/L	98	MCAWW 300.0A	02/12/08	8044223
			Dilution Factor: 1				
Fluoride			Work Order #: KHJH41AC		LCS Lot-Sample#:	F8B210000-293	
	1.00	0.971	mg/L	97	MCAWW 300.0A	02/20/08	8052293
			Dilution Factor: 1				
Nitrite			Work Order #: KG38D1AC		LCS Lot-Sample#:	F8B130000-225	
	0.160	0.163	mg/L	102	MCAWW 300.0A	02/12/08	8044225
			Dilution Factor: 1				
Nitrite			Work Order #: KHJH61AC		LCS Lot-Sample#:	F8B210000-295	
	0.160	0.169	mg/L	106	MCAWW 300.0A	02/20/08	8052295
			Dilution Factor: 1				
Nitrogen, Nitrate			Work Order #: KG38G1AC		LCS Lot-Sample#:	F8B130000-226	
	0.400	0.403	mg/L	101	MCAWW 300.0A	02/12/08	8044226
			Dilution Factor: 1				
Nitrogen, Nitrate			Work Order #: KHJH71AC		LCS Lot-Sample#:	F8B210000-296	
	0.400	0.425	mg/L	106	MCAWW 300.0A	02/20/08	8052296
			Dilution Factor: 1				
Sulfate			Work Order #: KG38C1AC		LCS Lot-Sample#:	F8B130000-224	
	8.00	8.08	mg/L	101	MCAWW 300.0A	02/12/08	8044224
			Dilution Factor: 1				
Sulfate			Work Order #: KHJH51AC		LCS Lot-Sample#:	F8B210000-294	
	8.00	8.02	mg/L	100	MCAWW 300.0A	02/20/08	8052294
			Dilution Factor: 1				

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL728 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide			Work Order #: KG8FM1AC LCS Lot-Sample#: F8B180000-038				
	200	247 N	ug/L	123	SW846 9012	02/18/08	8049038
			Dilution Factor: 1				
Total Cyanide			Work Order #: KG8FM1AD LCS Lot-Sample#: F8B180000-038				
	400	477 N	ug/L	119	SW846 9012	02/18/08	8049038
			Dilution Factor: 1				
Total Cyanide			Work Order #: KHERH1AC LCS Lot-Sample#: F8B210000-035				
	200	220	ug/L	110	SW846 9012	02/21/08	8052035
			Dilution Factor: 1				
Total Cyanide			Work Order #: KHERH1AD LCS Lot-Sample#: F8B210000-035				
	400	441	ug/L	110	SW846 9012	02/21/08	8052035
			Dilution Factor: 1				
TOX			Work Order #: KH2JG1AC LCS Lot-Sample#: F8B200000-445				
	100	99.6	ug/L	100	SW846 9020B	03/04/08	8051445
			Dilution Factor: 1				

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL728 **Matrix.....:** WATER
Date Sampled...: 02/11/08 **Date Received..:** 02/12/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride			Work Order #...:		KG1QK1DK		MS Lot-Sample #:	F8B130118-002
	3.5	2.00	5.73	mg/L	109	MCAWW 300.0A	02/12/08	8044222
			Dilution Factor: 1					
Chloride			Work Order #...:		KHCV41DJ		MS Lot-Sample #:	F8B200154-001
	30.4	20.0	52.0 D	mg/L	108	MCAWW 300.0A	02/20/08	8052292
			Dilution Factor: 10					
Conductivity			Work Order #...:		KHCV41DV		MS Lot-Sample #:	F8B200154-001
	453	1410	1830	uS/cm	98	MCAWW 120.1	02/26/08	8057052
			Dilution Factor: 1					
Fluoride			Work Order #...:		KG1QK1A6		MS Lot-Sample #:	F8B130118-002
	0.31	2.00	2.33	mg/L	101	MCAWW 300.0A	02/12/08	8044223
			Dilution Factor: 1					
Fluoride			Work Order #...:		KHCV41DL		MS Lot-Sample #:	F8B200154-001
	5.4	20.0	27.4 D	mg/L	110	MCAWW 300.0A	02/20/08	8052293
			Dilution Factor: 10					
Nitrite			Work Order #...:		KG1QK1A8		MS Lot-Sample #:	F8B130118-002
	ND	0.100	0.105	mg/L	105	MCAWW 300.0A	02/12/08	8044225
			Dilution Factor: 1					
Nitrite			Work Order #...:		KHCV41DQ		MS Lot-Sample #:	F8B200154-001
	1.2	1.00	2.35 N,D	mg/L	112	MCAWW 300.0A	02/20/08	8052295
			Dilution Factor: 10					
Nitrogen, Nitrate			Work Order #...:		KG1QK1A9		MS Lot-Sample #:	F8B130118-002
	0.35	0.400	0.746	mg/L	99	MCAWW 300.0A	02/12/08	8044226
			Dilution Factor: 1					
Nitrogen, Nitrate			Work Order #...:		KHCV41DT		MS Lot-Sample #:	F8B200154-001
	58.6	40.0	98.9 D	mg/L	101	MCAWW 300.0A	02/20/08	8052296
			Dilution Factor: 100					
Sulfate			Work Order #...:		KG1QK1A7		MS Lot-Sample #:	F8B130118-002
	13.5	4.00	17.3	mg/L	95	MCAWW 300.0A	02/12/08	8044224
			Dilution Factor: 1					
Sulfate			Work Order #...:		KHCV41DN		MS Lot-Sample #:	F8B200154-001
	13.1	4.00	17.6 N	mg/L	113	MCAWW 300.0A	02/20/08	8052294
			Dilution Factor: 1					

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MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL728 **Matrix.....:** WATER
Date Sampled...: 02/11/08 **Date Received..:** 02/12/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide			Work Order #...:		KG1QK1CC		MS Lot-Sample #:	F8B130118-002
	ND	200	251 N	ug/L	126	SW846 9012	02/18/08	8049038
			Dilution Factor: 1					
Total Cyanide			Work Order #...:		KHCV41A9		MS Lot-Sample #:	F8B200154-001
	227	200	438	ug/L	105	SW846 9012	02/21/08	8052035
			Dilution Factor: 1					
Total Organic Carbon			Work Order #...:		KG1QK1CA		MS Lot-Sample #:	F8B130118-002
	ND	5.00	5.28	mg/L	106	SW846 9060	03/05/08	8065330
			Dilution Factor: 1					
TOX			Work Order #...:		KG1P71AG		MS Lot-Sample #:	F8B130118-001
	4.1	100	104	ug/L	99	SW846 9020B	03/04/08	8051445
			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.

D Result was obtained from the analysis of a dilution.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F8B130118 **Work Order #...:** KG1QK-SMP KG1QK-DUP **Matrix.....:** WATER

Date Sampled...: 02/11/08 **Date Received..:** 02/12/08

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride						SD Lot-Sample #:	F8B130118-002	
	3.5	3.6	mg/L	0.50	(0-20)	MCAWW 300.0A	02/12/08	8044222
			Dilution Factor: 1					
Fluoride						SD Lot-Sample #:	F8B130118-002	
	0.31	0.31	mg/L	0.98	(0-20)	MCAWW 300.0A	02/12/08	8044223
			Dilution Factor: 1					
Sulfate						SD Lot-Sample #:	F8B130118-002	
	13.5	13.4	mg/L	0.68	(0-20)	MCAWW 300.0A	02/12/08	8044224
			Dilution Factor: 1					
Nitrite						SD Lot-Sample #:	F8B130118-002	
	ND	ND	mg/L	0	(0-20)	MCAWW 300.0A	02/12/08	8044225
			Dilution Factor: 1					
Nitrogen, Nitrate						SD Lot-Sample #:	F8B130118-002	
	0.35	0.35	mg/L	0.016	(0-20)	MCAWW 300.0A	02/12/08	8044226
			Dilution Factor: 1					
Total Organic Carbon						SD Lot-Sample #:	F8B130118-002	
	ND	ND	mg/L	0	(0-20)	SW846 9060	03/05/08	8065330
			Dilution Factor: 1					
Total Cyanide						SD Lot-Sample #:	F8B130118-002	
	ND	ND	ug/L	0	(0-20)	SW846 9012	02/18/08	8049038
			Dilution Factor: 1					

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F8B130118 **Work Order #...:** KG1P7-SMP KG1P7-DUP **Matrix.....:** WATER

Date Sampled...: 02/11/08 **Date Received..:** 02/12/08

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX						SD Lot-Sample #:	F8B130118-001	
	4.1 B	3.1 B	ug/L	28	(0-20)	SW846 9020B	03/04/08	8051445

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.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F8B130118 **Work Order #...:** KHCV4-SMP KHCV4-DUP **Matrix.....:** WATER

Date Sampled...: 02/19/08 **Date Received..:** 02/20/08

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride						SD Lot-Sample #:	F8B200154-001	
	30.4 D	30.2 D	mg/L	0.78	(0-20)	MCAWW 300.0A	02/20/08	8052292
			Dilution Factor: 10					
Fluoride						SD Lot-Sample #:	F8B200154-001	
	5.4 D	5.4 D	mg/L	0.90	(0-20)	MCAWW 300.0A	02/20/08	8052293
			Dilution Factor: 10					
Sulfate						SD Lot-Sample #:	F8B200154-001	
	13.1 N	13.3 N	mg/L	2.1	(0-20)	MCAWW 300.0A	02/20/08	8052294
			Dilution Factor: 1					
Nitrite						SD Lot-Sample #:	F8B200154-001	
	1.2 DN	1.3 DN	mg/L	4.2	(0-20)	MCAWW 300.0A	02/20/08	8052295
			Dilution Factor: 10					
Nitrogen, Nitrate						SD Lot-Sample #:	F8B200154-001	
	58.6 D	56.8 D	mg/L	3.3	(0-20)	MCAWW 300.0A	02/20/08	8052296
			Dilution Factor: 100					
Conductivity						SD Lot-Sample #:	F8B200154-001	
	453	451	uS/cm	0.44	(0-20)	MCAWW 120.1	02/26/08	8057052
			Dilution Factor: 1					
Total Cyanide						SD Lot-Sample #:	F8B200154-001	
	227	241	ug/L	5.8	(0-20)	SW846 9012	02/21/08	8052035
			Dilution Factor: 1					

NOTE(S):

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

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

DN Result obtained from dilution; spike sample recovery outside control limits.