

RECEIVED MARCH 31, 2008

**TestAmerica**

THE LEADER IN ENVIRONMENTAL TESTING

**ANALYTICAL REPORT**

W08-003

Lot #: F8C150129

SDG #: SL731

Steve Trent

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

TESTAMERICA LABORATORIES, INC.



Michael C. Franks  
Project Manager

March 29, 2008

**CASE NARRATIVE**

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

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SDG	: SL731
Number of Samples	: 12 samples
Sample Matrix	: water
Data Deliverable	: Summary
Date SDG Closed	: March 15, 2008

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**II. Introduction**

On March 15, 2008, twelve (12) 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 SAF is associated with this SDG: W08-003

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.

**Fluor Hanford Inc.**

March 29, 2008

SDG: SL731

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**Total Organic Halides****Batch: 8088127**

The CCB for TOX was slightly above the reporting limit. It is visually determined that this false positive hit was caused by the preceding CCV peak dipping too far below the baseline. This same excursion did not occur in the samples that were analyzed, as the TOX concentrations in these samples were not as high as the CCV concentration, thus their peaks did not dip as far below the baseline as the CCV.

**Affected Samples:**

F8C150129 (1): B1TTY8	F8C150129 (7): B1TTV8
F8C150129 (2): B1TTY9	F8C150129 (8): B1TTV9
F8C150129 (3): B1TV00	F8C150129 (9): B1TW52
F8C150129 (4): B1TV01	F8C150129 (10): B1TW53
F8C150129 (5): B1TTV6	F8C150129 (11): B1TW54
F8C150129 (6): B1TTV7	F8C150129 (12): B1TW55

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

**METHODS SUMMARY**

F8C150129

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
Total Organic Halogens	SW846 9020B	SW846 9020B

**References:**

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

**SAMPLE SUMMARY**

F8C150129

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
KJM9K	001	B1TTY8	03/13/08	10:28
KJM9L	002	B1TTY9	03/13/08	10:28
KJM9M	003	B1TV00	03/13/08	10:28
KJM9P	004	B1TV01	03/13/08	10:28
KJM9Q	005	B1TTV6	03/13/08	09:04
KJM9R	006	B1TTV7	03/13/08	09:04
KJM9V	007	B1TTV8	03/13/08	09:04
KJM9W	008	B1TTV9	03/13/08	09:04
KJM9X	009	B1TW52	03/13/08	12:05
KJM92	010	B1TW53	03/13/08	12:05
KJM93	011	B1TW54	03/13/08	12:05
KJM94	012	B1TW55	03/13/08	12:05

**NOTE (S) :**

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

# CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W08-003-313**  
 Page 1 of 1

Project Title  
 RCRA\_MARCH 2008  
 Shipped To Lab  
 TestAmerica St. Louis

Priority: 15 Days **PRIORITY**  
 SPECIAL INSTRUCTIONS  
 Hold Time

Method of Shipment  
 HW F-N-56-11

Project Title  
 RCRA\_MARCH 2008  
 Shipped To Lab  
 TestAmerica St. Louis

Protocol  
 RCRA

Sample No.	Lab ID	*	Date	Time	No/Type Container	9020_TOX: TOX (1)	Sample Analysis	Preservative
B1TTY8		W	5/13/08	1028	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C	
B1TTY8		W			1x20-mL P	Activity Scan	None	
B1TTY9		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C	
B1TV00		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C	
B1TV01		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C	

Relinquished By: RF CARRIGAN Print Sign Date/Time: MAR 14 2008

Relinquished By: FedEx Date/Time: 03-15-08 09:00

Relinquished By: FedEx Date/Time: 03-15-08 09:00

Relinquished By: FedEx Date/Time: 03-15-08 09:00

Received By: FedEx Print Sign Date/Time: 03-15-08 09:00

Received By: FedEx Date/Time: 03-15-08 09:00

Received By: FedEx Date/Time: 03-15-08 09:00

Received By: FedEx Date/Time: 03-15-08 09:00

Matrix \*  
 DS = Drum Solid  
 DL = Drum Liquid  
 T = Tissue  
 W1 = Wine  
 L = Liquid  
 V = Vegetation  
 X = Other

Final Sample Disposition: Disposed By Date/Time: 03-15-08 09:00

# CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C.# **W08-003-310**  
 Page 1 of 1

Telephone No. **509-373-5869** MSIN **FAX**  
 Purchase Order/Charge Code  
 Ice Chest No. **5WZ-461** Temp. **7000**  
 Bill of Lading/Air Bill No. **799290157000**  
 Offsite Property No.

Contact/Requester **Steve Trent**  
 Sampling Origin **Hanford Site**  
 Method of Shipment **HW F-N-506-11**  
 Govt. Vehicle

Priority: 15 Days **PRIORITY**  
 SPECIAL INSTRUCTIONS **Hold Time**  
 Site-Wide Generator Knowledge Information Form applies.

Total Activity Exemption: Yes  No

Project Title **RCRA MARCH 2008**  
 Shipped To (Lab) **TestAmerica St. Louis**  
 Protocol **RCRA**  
**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)

Sample No.	Lab ID	*	Date	Time	No./Type Container	No. Type Container	Sample Analysis	Preservative
B1TTV6		W	3/15/08	0904	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C	
B1TTV6		W			1x20-mL P	Activity Scan	None	
B1TTV7		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C	
B1TTV8		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C	
B1TTV9		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C	

Relinquished By <b>RCRA</b>	Print <b>RFC</b>	Sign <b>RFC</b>	Date/Time <b>MAR 14 2008</b>	Received By <b>FedEx</b>	Print	Sign	Date/Time <b>03.15.09</b>
Relinquished By <b>FedEx</b>			Date/Time <b>09:10</b>	Received By <b>[Signature]</b>			Date/Time <b>03.15.09</b>
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix \*  
 S = Soil  
 SF = Sediment  
 SO = Solid  
 SL = Shale  
 W = Water  
 O = Oil  
 A = Air  
 DS = Drum Solid  
 DL = Drum Liquid  
 T = Tissue  
 WI = Wine  
 LI = Liquid  
 V = Vegetation  
 X = Other

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

FDUOR HANFORD  
# 5673  
Collector: D. WALL

### CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #

W08-003-317

Page 1 of 1

Telephone No. 509-373-5869  
 MSIN FAX  
 Purchase Order/Charge Code  
 Ice Chest No. 662-314/08 Temp. 70.0  
 Bill of Lading/Air Bill No. 7992 90157000  
 Offsite Property No.

Priority: 15 Days **PRIORITY**

**SPECIAL INSTRUCTIONS** Hold Time

Site-Wide Generator Knowledge Information Form applies.

Total Activity Exemption: Yes  No

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	9020_TOX	Sample Analysis	Preservative
B1TW52		W	3/13/08	12:05	1x1000-mL aGs*	TOX (1)	H2SO4 to pH <2 Cool-4C	
B1TW52		W			1x20-mL P	Activity Scan	None	
B1TW53		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool-4C	
B1TW54		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool-4C	
B1TW55		W			4x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool-4C	

Received By: **FEDEx**  
 Received By: *[Signature]* 03/15/09 09:00  
 Received By: *[Signature]* 03/15/09 09:00  
 Received By: *[Signature]*  
 Received By: *[Signature]*  
 Received By: *[Signature]*

Print Sign Date/Time

Matrix \*

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

Relinquished By: D. WALL  
 Relinquished By: R D Ex  
 Relinquished By: *[Signature]*  
 Relinquished By: *[Signature]*

Print Date/Time

Print Date/Time

Print Date/Time

Print Date/Time

Disposal Method (e.g., Return to customer, per lab procedure, used in process)

Disposed By

Date/Time



Track Shipments/FedEx Kinko's Orders  
Detailed Results

<b>Tracking number</b>	799290157000	<b>Reference</b>	SML-461
<b>Signed for by</b>	B.DANIELS	<b>Destination</b>	Earth City, MO
<b>Ship date</b>	Mar 14, 2008	<b>Delivered to</b>	Shipping/Receiving
<b>Delivery date</b>	Mar 15, 2008 8:50 AM	<b>Service type</b>	Priority Overnight
		<b>Weight</b>	70.0 lbs.
<b>Status</b>	Delivered		
<b>Signature image available</b>	<u>Yes</u>		

Date/Time	Activity	Location
Mar 15, 2008	8:50 AM	<b>Delivered</b>
	7:50 AM	On FedEx vehicle for delivery
	7:22 AM	At local FedEx facility
	5:51 AM	At dest sort facility
	4:40 AM	Departed FedEx location
Mar 14, 2008	12:55 AM	Arrived at FedEx location
	5:21 PM	Left origin
	4:10 PM	Picked up
	3:48 PM	Package data transmitted to FedEx

Signature proof   
  E-mail results   
  Track more shipments/0

Subscribe to tracking updates (optional)

Your name:       Your e-mail address:

E-mail address	Language	Exception updates	<input type="checkbox"/>
<input type="text"/>	English	<input type="checkbox"/>	<input type="checkbox"/>
<input type="text"/>	English	<input type="checkbox"/>	<input type="checkbox"/>
<input type="text"/>	English	<input type="checkbox"/>	<input type="checkbox"/>
<input type="text"/>	English	<input type="checkbox"/>	<input type="checkbox"/>

Select format:  HTML     Text     Wireless

Add personal message:

Not available for Wireless or non-English characters.

By selecting this check box and the Submit button, I agree to these [Terms and Conditions](#)

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): F8L150129  
- 2397 - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Client: Flioco Hartford Condition Upon Receipt Form  
Quote No: 78770 COC/RFA No: W08-003-310,13,17 Date: 03.15.08  
Initiated By: [Signature] Time: 0900

### Shipping Information

Shipper Name: FedEx Multiple Packages Y  N  
Shipping # (s):\* \_\_\_\_\_ Sample Temperature (s):\*\* \_\_\_\_\_  
1. 7992 9015 700 6. \_\_\_\_\_ 1. 2 6. \_\_\_\_\_  
2. \_\_\_\_\_ 7. \_\_\_\_\_ 2. \_\_\_\_\_ 7. \_\_\_\_\_  
3. \_\_\_\_\_ 8. \_\_\_\_\_ 3. \_\_\_\_\_ 8. \_\_\_\_\_  
4. \_\_\_\_\_ 9. \_\_\_\_\_ 4. \_\_\_\_\_ 9. \_\_\_\_\_  
5. \_\_\_\_\_ 10. \_\_\_\_\_ 5. \_\_\_\_\_ 10. \_\_\_\_\_

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

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

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

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

Notes:  
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Corrective Action:  
 Client Contact Name: \_\_\_\_\_ Informed by: \_\_\_\_\_  
 Sample(s) processed "as is"  
 Sample(s) on hold until: [Signature] If released, notify: \_\_\_\_\_  
Project Management Review: [Signature] Date: 03-18-08 2397

# **WET CHEMISTRY**

Fluor Hanford Inc

Client Sample ID: B1TTY8

General Chemistry

Lot-Sample #...: F8C150129-001  
 Date Sampled...: 03/13/08

Work Order #...: KJM9K  
 Date Received...: 03/15/08

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
TOX	11.2	5.0	ug/L	SW846 9020B	03/27/08	8088127
		Dilution Factor: 1		MDL.....: 2.2		

Fluor Hanford Inc

Client Sample ID: B1TTY9

General Chemistry

Lot-Sample #...: F8C150129-002  
Date Sampled...: 03/13/08

Work Order #...: KJM9L  
Date Received...: 03/15/08

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
TOX	10.0	5.0	ug/L	SW846 9020B	03/27/08	8088127

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

Fluor Hanford Inc

Client Sample ID: B1TV00

General Chemistry

Lot-Sample #....: F8C150129-003  
 Date Sampled....: 03/13/08

Work Order #....: KJM9M  
 Date Received...: 03/15/08

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
TOX	8.9	5.0	ug/L	SW846 9020B	03/27/08	8088127
		Dilution Factor: 1		MDL.....: 2.2		

Fluor Hanford Inc

Client Sample ID: B1TV01

General Chemistry

Lot-Sample #...: F8C150129-004    Work Order #...: KJM9P    Matrix.....: WATER  
 Date Sampled...: 03/13/08    Date Received...: 03/15/08

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
TOX	11.0	5.0	ug/L	SW846 9020B	03/27/08	8088127
		Dilution Factor: 1		MDL.....: 2.2		

Fluor Hanford Inc

Client Sample ID: B1TTV6

General Chemistry

Lot-Sample #...: F8C150129-005      Work Order #...: KJM9Q      Matrix.....: WATER  
 Date Sampled...: 03/13/08      Date Received...: 03/15/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
TOX	4.8 B	5.0	ug/L	SW846 9020B	03/27/08	8088127
		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: B1TTV7

General Chemistry

Lot-Sample #....: F8C150129-006  
 Date Sampled....: 03/13/08

Work Order #....: KJM9R  
 Date Received...: 03/15/08

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
TOX	5.0	5.0	ug/L	SW846 9020B	03/27/08	8088127
		Dilution Factor: 1		MDL.....: 2.2		

Fluor Hanford Inc

Client Sample ID: B1TTV8

General Chemistry

Lot-Sample #...: F8C150129-007      Work Order #...: KJM9V      Matrix.....: WATER  
 Date Sampled...: 03/13/08      Date Received...: 03/15/08

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
TOX	4.5 B	5.0	ug/L	SW846 9020B	03/27/08	8088127
		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: B1TTV9

General Chemistry

Lot-Sample #....: F8C150129-008      Work Order #....: KJM9W      Matrix.....: WATER  
 Date Sampled....: 03/13/08      Date Received...: 03/15/08

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
TOX	3.4 B	5.0	ug/L	SW846 9020B	03/27/08	8088127
		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: B1TW52

General Chemistry

Lot-Sample #...: F8C150129-009  
 Date Sampled...: 03/13/08

Work Order #...: KJM9X  
 Date Received...: 03/15/08

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
TOX	ND	5.0	ug/L	SW846 9020B	03/27/08	8088127
		Dilution Factor: 1		MDL.....: 2.2		

Fluor Hanford Inc

Client Sample ID: B1TW53

General Chemistry

Lot-Sample #....: F8C150129-010

Work Order #....: KJM92

Matrix.....: WATER

Date Sampled....: 03/13/08

Date Received...: 03/15/08

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
TOX	ND	5.0	ug/L	SW846 9020B	03/27/08	8088127
		Dilution Factor: 1		MDL.....: 2.2		

Fluor Hanford Inc

Client Sample ID: B1TW54

General Chemistry

Lot-Sample #...: F8C150129-011    Work Order #...: KJM93    Matrix.....: WATER  
 Date Sampled...: 03/13/08    Date Received...: 03/15/08

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
TOX	4.4 B	5.0	ug/L	SW846 9020B	03/27/08	8088127
		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: B1TW55

General Chemistry

Lot-Sample #....: F8C150129-012      Work Order #....: KJM94      Matrix.....: WATER  
 Date Sampled....: 03/13/08      Date Received...: 03/15/08

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
TOX	ND	5.0	ug/L	SW846 9020B	03/27/08	8088127
		Dilution Factor: 1		MDL.....: 2.2		

METHOD BLANK REPORT

General Chemistry

Client Lot #...: F8C150129

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
TOX	ND	Work Order #: KKC141AA 5.0	ug/L	MB Lot-Sample #: F8C280000-127 SW846 9020B	03/27/08	8088127
		Dilution Factor: 1				

**NOTE (S) :**

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



LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: F8C150129

Matrix.....: WATER

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCNT</u> <u>RECVRY</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
TOX	100	100	ug/L	100	SW846 9020B	03/27/08	8088127
Work Order #: KKC141AC LCS Lot-Sample#: F8C280000-127 Dilution Factor: 1							

**NOTE (S) :**

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

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: F8C150129

Matrix.....: WATER

Date Sampled...: 03/13/08

Date Received...: 03/15/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
TOX	11.2	100	114	ug/L	103	SW846 9020B	03/27/08	8088127
			Work Order #...: KJM9K1AD		MS Lot-Sample #: F8C150129-001			
			Dilution Factor: 1					

**NOTE(S) :**

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

**SAMPLE DUPLICATE EVALUATION REPORT**

**General Chemistry**

Client Lot #...: F8C150129

Work Order #...: KJM9K-SMP  
KJM9K-DUP

Matrix.....: WATER

Date Sampled...: 03/13/08

Date Received...: 03/15/08

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
TOX	11.2	12.1	ug/L	7.6	(0-20)	SD Lot-Sample #: F8C150129-001 SW846 9020B	03/27/08	8088127
			Dilution Factor: 1					