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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

W08-006

Lot #: F8F170141
SDG #: SL741

Steve Trent

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

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TESTAMERICA LABORATORIES, INC.

James M. K Gwin
for

Michael C. Franks
Project Manager

July 24, 2008

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CASE NARRATIVE

Fluor Hanford, Inc.
P.O. Box 1000
MSIN E6-35
Richland, Washington 99352
July 24, 2008
Attention: Steve Trent

SDG	: SL741
Number of Samples	: 118 samples
Sample Matrix	: Water
Data Deliverable	: Summary
Date SDG Closed	: June 28, 2008

II. Introduction

Between June 17, 2008 and June 28, 2008, one hundred-eighteen (118) 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: W08-006, I08-043, W08-005, S08-004, S08-006.

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

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

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THE LEADER IN ENVIRONMENTAL TESTING

Fluor Hanford Inc.
July 24, 2008
SDG: SL741

GC/MS Semivolatiles

Batches: 8178106, 8182123
4-Nitroquinoline-1-oxide recovered low and Famphur recovered high in the CCV. These analytes are not target analytes.
Affected Samples:
F8F240154 (1): B1VKW1
F8F250314 (1): B1V887
F8F270236 (1): B1VM33
F8F270236 (2): B1VM32

Batch: 8178106
The MS/MSD RPDs are not within method acceptance criteria for Pentachlorophenol and 1,4-Dichlorobenzene. MS/MSD recoveries are within QC limits demonstrating good extraction performance in the sample matrix.
Affected Samples:
F8F240154 (1): B1VKW1
F8F250314 (1): B1V887

ICP Metals

Batch: 8182275
The associated samples were analyzed at a dilution due to high concentrations of target analytes. The reporting limit has been adjusted only for those targets reported from the dilution run.
Affected Samples:
F8F270225 (1): B1TWY9

Batch: 8182275
The concentration of cadmium, beryllium, and strontium in the CCB are greater than 3 times the MDL. The samples associated with this CCB either yielded concentrations lower than the established reporting limit or exhibited concentrations greater than 10 times those observed in the CCB.
Affected Samples:
F8F270225 (1): B1TWY9
F8F270225 (2): B1TX00

Total Organic Halogens

The associated sample's container for the TOX analysis was mistakenly opened upon sample receipt to check the pH. No other analysis was requested and no other containers were received for this sample. Per client request, the analysis was cancelled. Please refer to included IRF 08-081.
Affected Samples:
B1VN93

The associated samples' containers for the TOX analysis were received broken. No other analysis was requested and no other containers were received for these samples. The analysis was cancelled. Please refer to included IRF 08-082.
Affected Samples:
B1VNW5
B1VNW3

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Fluor Hanford Inc.

July 24, 2008
SDG: SL741

The associated samples' containers for the TOX analysis were received broken. No other analysis was requested and no other containers were received for these samples. The analysis was cancelled. Please refer to included IRF 08-088.

Affected Samples:
B1VNP5
B1VPD9

There were no observations or nonconformances for the following methods:

ICP/MS Metals
Phenolics
Sulfide
Total Organic Carbon

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:

for

Michael Franks
St. Louis Project Manager

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

PNNL TRACKING NUMBER: 08-081

Date: June 18, 2008 SAF Nos. W08-006

SDG: **SL741** LOGIN No.: **F8F170141** TEST: TOX

Sample No.(s) **B1VN93**

Submitted By: Mike Franks Submitted To: Heidi Hampt

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

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

ISSUE	PROPOSED RESOLUTION
The container for TOX analysis was mistakenly opened upon sample receipt to check the pH. No other analysis requested and no other containers received for this sample.	1) Cancel analysis. 2) Proceed with analysis.

BHI/WMH/PNNL COMMENTS

Accept proposed resolution number 1 – cancel analysis.

Heidi Hampt 7/1/08
Signature and Date

XC: Ron Butler

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

PNNL TRACKING NUMBER: 08-082

Date: June 18, 2008 SAF Nos. W08-006

SDG: **SL741** LOGIN No.: **F8F170141** TEST: TOX

Sample No.(s) **B1VNW5 and B1VNW3**

Submitted By: Mike Franks Submitted To: Heidi Hampt

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

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

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

BHI/WMH/PNNL COMMENTS
Accept proposed resolution.

Heidi Hampt 7/1/08
Signature and Date

XC: Ron Butler

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

PNNL TRACKING NUMBER: 08-088

Date: June 29, 2008 SAF Nos. W08-006

SDG: **SL741** LOGIN No.: **F8F270237** TEST: TOX

Sample No.(s) **B1VNP5 and B1VPD9**

Submitted By: Mike Franks Submitted To: Heidi Hampt

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

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

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

BHI/WMH/PNNL COMMENTS
Accept proposed resolution.

Heidi Hampt 7/2/08
Signature and Date

XC: Ron Butler

METHODS SUMMARY

SL741

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	
ICP-MS (6020)	SW846 6020	
Phenolics	MCAWW 420.2	MCAWW 420.2
Semivolatile Organic Compounds by GC/MS	SW846 8270C	SW846 3510C
Sulfide	SW846 9030	
Total Organic Carbon	SW846 9060	SW846 9060
Total Organic Halogens	SW846 9020B	SW846 9020B

References:

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

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

SAMPLE SUMMARY

SL741 : F8F170141

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KP22K	001	B1VP55	06/11/08	14:14
KP220	002	B1VP56	06/11/08	14:14
KP221	003	B1VP57	06/11/08	14:14
KP222	004	B1VP58	06/11/08	14:14
KP227	005	B1VNW2	06/11/08	13:02
KP23D	007	B1VNW4	06/11/08	13:02
KP23G	009	B1VN90	06/12/08	09:28
KP23J	010	B1VN91	06/12/08	09:28
KP23K	011	B1VN92	06/12/08	09:28
KP23M	012	B1VN93	06/12/08	09:28
KP23N	013	B1VN76	06/12/08	10:22
KP23T	014	B1VN77	06/12/08	10:22
KP23W	015	B1VN78	06/12/08	10:22
KP23X	016	B1VN79	06/12/08	10:22
KP230	017	B1VP23	06/11/08	12:07
KP231	018	B1VP24	06/11/08	12:07
KP233	019	B1VP25	06/11/08	12:07
KP234	020	B1VP26	06/11/08	12:07
KP235	021	B1VP87	06/11/08	09:38
KP236	022	B1VP88	06/11/08	09:38
KP237	023	B1VP89	06/11/08	09:38
KP238	024	B1VP90	06/11/08	09:38
KP24A	025	B1VP39	06/11/08	10:41
KP24D	026	B1VP40	06/11/08	10:41
KP24E	027	B1VP41	06/11/08	10:41
KP24F	028	B1VP42	06/11/08	10:41
KP24G	029	B1VP71	06/11/08	10:59
KP24K	030	B1VP72	06/11/08	10:59
KP24L	031	B1VP73	06/11/08	10:59
KP24M	032	B1VP74	06/11/08	10:59
KP24Q	033	B1VNX8	06/11/08	13:03
KP24X	034	B1VNX9	06/11/08	13:03
KP242	035	B1VNY0	06/11/08	13:03
KP243	036	B1VNY1	06/11/08	13:03
KP246	037	B1VP03	06/11/08	08:59
KP25A	038	B1VP04	06/11/08	08:59

(Continued on next page)

SAMPLE SUMMARY

SL741 : F8F170141

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KP25E	039	B1VP05	06/11/08	08:59
KP25P	040	B1VP06	06/11/08	08:59

NOTE(S):

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

(Continued on next page)

SAMPLE SUMMARY

SL741 : F8F240141

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KQGD4	001	B1VN01	06/22/08	11:56
KQGEP	002	B1VN02	06/22/08	11:56
KQGER	003	B1VN03	06/22/08	11:56
KQGET	004	B1VN04	06/22/08	11:56
KQGE0	005	B1VMP0	06/22/08	12:56
KQGE1	006	B1VMP1	06/22/08	12:56
KQGE2	007	B1VMP2	06/22/08	12:56
KQGE4	008	B1VMP3	06/22/08	12:56
KQGE5	009	B1VMV0	06/22/08	14:26
KQGE7	010	B1VMV1	06/22/08	14:26
KQGE8	011	B1VMV2	06/22/08	14:26
KQGFA	012	B1VMV3	06/22/08	14:26
KQGFD	013	B1VMW5	06/22/08	09:06
KQGFF	014	B1VMW6	06/22/08	09:06
KQGFH	015	B1VMW7	06/22/08	09:06
KQGFJ	016	B1VMW8	06/22/08	09:06
KQGFM	017	B1VN16	06/22/08	12:46
KQGFT	018	B1VN17	06/22/08	12:46
KQGFW	019	B1VN18	06/22/08	12:46
KQGF0	020	B1VN19	06/22/08	12:46
KQGF2	021	B1VN61	06/22/08	10:32
KQGF6	022	B1VN62	06/22/08	10:32
KQGF9	023	B1VN63	06/22/08	10:32
KQGGC	024	B1VN64	06/22/08	10:32

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(Continued on next page)

SAMPLE SUMMARY

SL741 : F8F240154

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KQGH2	001	B1VKW1	06/23/08	11:10

NOTE(S):

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(Continued on next page)

SAMPLE SUMMARY

SL741 : F8F250314

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KQKWK	001	B1V887	06/23/08	13:19

NOTE(S):

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(Continued on next page)

SAMPLE SUMMARY

SL741 : F8F260239

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KQMRH	001	B1VR04	06/24/08	12:16
KQMRK	002	B1VR05	06/24/08	12:16
KQMRL	003	B1VR06	06/24/08	12:16
KQMRM	004	B1VR07	06/24/08	12:16
KQMRQ	005	B1VPY0	06/24/08	10:41
KQMRW	006	B1VPY1	06/24/08	10:41
KQMR0	007	B1VPY2	06/24/08	10:41
KQMR2	008	B1VPY3	06/24/08	10:41
KQMR5	009	B1VPW8	06/24/08	07:35
KQMTL	010	B1VPW9	06/24/08	07:35
KQMTP	011	B1VPX0	06/24/08	07:35
KQMTR	012	B1VPX1	06/24/08	07:35
KQMT2	013	B1VPV6	06/24/08	09:42
KQMT6	014	B1VPV7	06/24/08	09:42
KQMT7	015	B1VPV8	06/24/08	09:42
KQMT9	016	B1VPV9	06/24/08	09:42

NOTE(S):

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(Continued on next page)

SAMPLE SUMMARY

SL741 : F8F270225

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KQQF9	001	B1TWY9	06/26/08	10:19
KQQG4	002	B1TX00	06/26/08	10:19

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(Continued on next page)

SAMPLE SUMMARY

SL741 : F8F270236

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KQQJF	001	B1VM33	06/26/08	08:00
KQQJG	002	B1VM32	06/26/08	10:37

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(Continued on next page)

SAMPLE SUMMARY

SL741 : F8F270237

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KQQJH	001	B1VNP6	06/26/08	08:00
KQQJJ	002	B1VNP7	06/26/08	08:00
KQQJM	003	B1VNP8	06/26/08	08:00
KQQJN	004	B1VPF0	06/26/08	12:41
KQQKM	005	B1VPF1	06/26/08	12:41
KQQKP	006	B1VPF2	06/26/08	12:41
KQQKQ	007	B1VNN1	06/26/08	12:26
KQQME	008	B1VNN2	06/26/08	12:26
KQQMG	009	B1VNN3	06/26/08	12:26
KQQMH	010	B1VNN4	06/26/08	12:26
KQQMK	011	B1VPH4	06/26/08	10:53
KQQMM	012	B1VPH5	06/26/08	10:53
KQQMP	013	B1VPH6	06/26/08	10:53
KQQMQ	014	B1VPH7	06/26/08	10:53
KQQMX	015	B1VPM1	06/26/08	11:46
KQQM2	016	B1VPM2	06/26/08	11:46
KQQM3	017	B1VPM3	06/26/08	11:46
KQQM4	018	B1VPM4	06/26/08	11:46

NOTE(S):

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(Continued on next page)

SAMPLE SUMMARY

SL741 : F8F280173

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KQTHT	001	B1VNB5	06/27/08	08:18
KQTHV	002	B1VNB6	06/27/08	08:18
KQTHW	003	B1VNB7	06/27/08	08:18
KQTHX	004	B1VNB8	06/27/08	08:18
KQTH0	005	B1VND0	06/27/08	11:06
KQTH1	006	B1VND1	06/27/08	11:06
KQTH2	007	B1VND2	06/27/08	11:06
KQTH3	008	B1VND3	06/27/08	11:06
KQTH4	009	B1VNF5	06/27/08	12:40
KQTH5	010	B1VNF6	06/27/08	12:40
KQTH6	011	B1VNF7	06/27/08	12:40
KQTH7	012	B1VNF8	06/27/08	12:40
KQTH8	013	B1VNK5	06/27/08	09:31
KQTH9	014	B1VNK6	06/27/08	09:31
KQTJA	015	B1VNK7	06/27/08	09:31
KQTJC	016	B1VNK8	06/27/08	09:31

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SDG SL741

›R HANFORD

SL741

cut 3240

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W08-006-126**

Page 1 of 1

~~Scott E. Hamaker~~ SICKLE	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
)6	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
itle JUNE 2008	HWF-N-506 Y6	**Ice Chest No.** GWS-006 **Temp.**
Co (Lab) merica St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** ~~7960 1261 0040~~ 7960 1268 0120
	Priority: 45 Days	**Offsite Property No.**

.E SAMPLE HAZARDS/REMARKS
ontains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not er DOE Order 5400.5 (1990/1993)

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

Total Activity Exemption: Yes ☑ No ☐

le No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
		W	6/11/08	9414	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x20-mL P	Activity Scan	None

ed By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
~~xt E. Hamaker~~ 35	SICKLE		6-17-08 1100 6-16-08		FEDEX	FM HALL	1100 6-16-08
ed By			Date/Time	Received By			Date/Time
4	HALL		1430 6-16-08	FED EX			
ed By			Date/Time	Received By			Date/Time
Ex						06.17.08	0915
ed By			Date/Time	Received By			Date/Time

Matrix *

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

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

TestAmerica St. Louis

SDG SL741

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

R HANFORD
SL741

C.O.C. # W08-006-80

Page 1 of 1

Roy Sickle	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
06	Sampling Origin: Hanford Site	Purchase Order/Charge Code
itle: JUNE 2008	HNF-N-506-15	Ice Chest No.: 6WS 006 Temp.
o (Lab): erica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: ~~7960 1261 0040~~ 7960 1388 0120
	Priority: 45 Days	Offsite Property No.

E SAMPLE HAZARDS/REMARKS
ontains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not er DOE Order 5400.5 (1990/1993)

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

Total Activity Exemption: Yes ☑ No ☐

le No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
2		W	6/11/08	1302	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
3		W	↓	↓	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
4		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
5		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W	✓	✓	1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
oy Sickle			1100 6-12-08 1400 6-16-08	FedEx	FM HALL		1100 6-16-08
d By: M HALL			1430 6-16-08	FED EX			
d By: Ex							
d By							

Received By	Date/Time
06.17.08	0915

Matrix *

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

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

TestAmerica St. Louis

SDG SL741

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-006-232

Page 1 of 1

›R HANFORD SL741	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
Roy Sickle	Sampling Origin: Hanford Site	Purchase Order/Charge Code
›6	HNF-N-506-15	Ice Chest No. 6WS006 Temp.
itle: JUNE 2008	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 7960 1388 0120
›o (Lab): ›erica St. Louis	Priority: 45 Days	Offsite Property No.

E SAMPLE HAZARDS/REMARKS
›ntains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not ›r DOE Order 5400.5 (1990/1993)

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

Total Activity Exemption: Yes ☑ No ☐

›le No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
		W	6/12/08	0828	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W	↓	↓	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W	↓	↓	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W	↓	↓	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W	↓	↓	1x20-mL P	Activity Scan	None

›d By: Roy Sickle (Print) (Sign)	Date/Time: JUN 12 2008 6-16-08 1100	Received By: (Print) FM HALL (Sign)	Date/Time: 6-16-08 1100
›d By: ›n HALL	Date/Time: 6-16-08 1420	Received By: FED EX	Date/Time
›d By: Ex	Date/Time	Received By:	Date/Time: 06-17-08 0915
›d By	Date/Time	Received By	Date/Time

Matrix *

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

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

TestAmerica St. Louis

SDG SL741

)R HANFORD

SL741

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-006-226

Page 1 of 1

Roy Sickle	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
16	Sampling Origin: Hanford Site	Purchase Order/Charge Code
itle: JUNE 2008	HNF-N-506-15	Ice Chest No.: GWS006 Temp.
o (Lab): erica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7960 1388 0120
	Priority: 45 Days	Offsite Property No.

E SAMPLE HAZARDS/REMARKS
ntains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not er DOE Order 5400.5 (1990/1993)

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

Total Activity Exemption: Yes ☑ No ☐

le No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
		W	6/12/08	1022	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x20-mL P	Activity Scan	None

ed By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
oy Sickle		6-16-08 JUN 17 2008	1100 1400	~~Fed Ex~~	FM HALL		6-16-08 1100
ed By			Date/Time	Received By			Date/Time
7 HALL			6-16-08 1430	FED EX			
ed By			Date/Time	Received By			Date/Time
Ex							06.17.08 0915
ed By			Date/Time	Received By			Date/Time

Matrix *

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

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

TestAmerica St. Louis

SDG SL741

R HANFORD

SL741

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-006-110

Page 1 of 1

~~Scott E. Hamaker~~ Sic Ulz	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
6	Sampling Origin: Hanford Site	Purchase Order/Charge Code
lle: JUNE 2008	HNF-N-506-16	Ice Chest No. GPP 03-020 Temp.
o (Lab): erica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. ~~7970 1171 5777~~
	Priority: 45 Days	Offsite Property No. 7970 1296 8715

E SAMPLE HAZARDS/REMARKS
ntains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not r DOE Order 5400.5 (1990/1993)

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

Total Activity Exemption: Yes ☑ No ☐

e No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
		W	6/11/08	1207	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W	↓	↓	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W	↓	↓	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W	↓	↓	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W	↓	↓	1x20-mL P	Activity Scan	None

d By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
~~ott E. Hamaker~~	Sic Ulz		1100 6-12-08 6-16-08	Fedex	FM Hall		1100 6-16-08
d By	m Hall		Date/Time 1430 6-16-08	Received By	FED EX		Date/Time
d By			Date/Time	Received By			Date/Time 06-17-08 0915
d 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	

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

TestAmerica St. Louis

R HANFORD

SL741

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

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C.O.C. # W08-006-142

Page 1 of 1

.A. Shepard	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
	Sampling Origin: Hanford Site	Purchase Order/Charge Code
le: UNE 2008	HNF-N-506-12	Ice Chest No.: GPP-03-020 Temp.
(Lab): rica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: ~~7970 171 5777~~ 6-16-08
	Priority: 45 Days	Offsite Property No.: 7970 1296 3715

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

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

Total Activity Exemption: Yes ☑ No ☐

: No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
		W	6-11-08	0938	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
		W			1x20-mL P	Activity Scan	None

d By: . Shepard	Print / Sign	Date/Time: 1100 JUN 16 2008	Received By: FM HALL / FEDEX	Print / Sign / Date/Time: 1100 6-16-08
d By: m HALL		Date/Time: 1430 6-16-08	Received By: FED EX	Date/Time
d By:		Date/Time	Received By: 06.17.08 0915	Date/Time
d 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	= Wire
W	= Water	L	= Liquid
O	= Oil	V	= Vegetation
A	= Air	X	= Other

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

TestAmerica St. Louis

SDG SL741

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W08-006-118**

Page 1 of 1

R HANFORD SL741	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
Scott E. Hamaker	Sampling Origin: Hanford Site	Purchase Order/Charge Code
6	HNF-N-506 16	Ice Chest No. GPR-03-020 Temp.
tle: JUNE 2008	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. ~~7970 1171 5777~~ 6-16-08 7970 1296 3715
a (Lab): erica St. Louis	Priority: 45 Days	Offsite Property No.

E SAMPLE HAZARDS/REMARKS
ntains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not r DOE Order 5400.5 (1990/1993)

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

Total Activity Exemption: Yes ☑ No ☐

le No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
		W	6/11/08	1041	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x20-mL P	Activity Scan	None

d By RJS E. Hamaker	Print	Sign	Date/Time 1100 ~~1400~~ 6-12-08 6-16-08	Received By FEDEX	Print FM HALL	Sign	Date/Time 1100 6-16-08
d By M Hall			Date/Time 1430 6-16-08	Received By FED EX			Date/Time
d By			Date/Time	Received By			Date/Time 06-17-08 0915
d By			Date/Time	Received By			Date/Time

Matrix *

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

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

TestAmerica St. Louis

SDG SL741

R HANFORD

SL741

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

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C.O.C. # W08-006-134

Page 1 of 1

A. Shepard	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
6	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 605-01 605022
tle: JUNE 2008	HNF-N-506-12	Ice Chest No.: ~~GRF-07420~~ Temp.:
n (Lab): erica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7960 1264 0042
	Priority: 45 Days	Offsite Property No.: 7960 1368 8199

E SAMPLE HAZARDS/REMARKS
ntains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not r DOE Order 5400.5 (1990/1993)

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

Total Activity Exemption: Yes ☑ No ☐

e No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
		W	6-11-08	1059	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x20-mL P	Activity Scan	None

d By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
. A. Shepard			JUN 12 2008 1100 6-16-08	FEDEX	FM Hall		1100 6-16-08
d By			Date/Time	Received By			Date/Time
m Hall			1430 6-16-08	FED EX			
d By			Date/Time	Received By			Date/Time
:y					06.17.08	0915	
d 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	

AMPLE SITION

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

Disposed By

Date/Time

TestAmerica St. Louis

R HANFORD

SL741

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W08-006-88**

Page 1 of 1

~~Scott E. Hamaker~~ SICHE	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 MSIN FAX
06	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
itle JUNE 2008	HWF-N-506-16	**Ice Chest No.** GWS-027 **Temp.**
o (Lab) erica St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** ~~7960 1264 4436~~
	Priority: 45 Days	**Offsite Property No.** 7960 1388 6194

E SAMPLE HAZARDS/REMARKS
ontains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not er DOE Order 5400.5 (1990/1993)

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

le No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
		W	6/11/08	1303	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x20-mL P	Activity Scan	None

ed By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
~~H E. Hamaker~~ SICHE			6-16-08 1100 6-16-08	~~Fedex~~	FM Hall		6-16-08 1100
ed By			Date/Time	Received By			Date/Time
M Hall			6-16-08 1430	FED EX			
ed By			Date/Time	Received By			Date/Time
Ey							06.17.08 0915
ed By			Date/Time	Received By			Date/Time

Matrix *

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

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

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

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C.O.C. # W08-006-96

Page 1 of 1

~~Scott E. Hornaker~~ Sickle	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
06	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Date: JUNE 2008	HNF-N-506-16	Ice Chest No. GWS-027 Temp.
To (Lab): America St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. ~~7960 1261 4436~~ 7960 1388 6194
	Priority: 45 Days	Offsite Property No.

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

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

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
		W	6/11/08	0859	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
		W			1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
	~~S. Hornaker~~ Sickle		6-16-08 1100	FEDEX	FM Hall		6-16-08 1100
	M Hall		6-16-08 1430	FED EX			
							06.17.08 0915

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	

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

Summary Results

Quick Help

Single piece shipments

Tracking number	Status	Date/Time	Destination	Service	Signature Proof Image	Signature Proof View
797012963715	Delivered	Jun 17, 2008 9:24 AM	Earth City, MO	FedEx Express	Yes	☑
796013886194	Delivered	Jun 17, 2008 9:24 AM	Earth City, MO	FedEx Express	Yes	☑
796013880120	Delivered	Jun 17, 2008 9:24 AM	Earth City, MO	FedEx Express	Yes	☑

Account number

(Required for detailed Signature Proof of Delivery only)

Click here if you have more than one account number for these shipments.

View signature proof results | E-mail signature proof results | Track more shipments/orders

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): F8F170141
- 3260 -

Condition Upon Receipt Form

Client: Hanford
Quote No: 79814
COC/RFA No: see below
Initiated By: SN
Date: 06.17.08
Time: 0915

Shipping Information

Shipper Name: FedX
Shipping # (s):*

1.	7970 1296 3715	6.	
2.	7960 1388 6194	7.	
3.	6120	8.	
4.		9.	
5.		10.	

Multiple Packages (Y) N
Sample Temperature (s):**

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

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

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

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

Notes:

BIVNW5 &
BIVNW23 SN 06.17.08 recvd. broken - no sample.

W08-006-126, 80, 232, 226, 110, 142, 118, 134, 88, 94

opened BIVN93 to check pH - TOX sample.
should not have opened.

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

SDG SL741

)R HANFORD SL741
CM 3295

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-006-194

Page 1 of 1

Hanford RICHLAND WASHINGTON	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
06	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Title JUNE 2008	HNF-N-506-16/16	**Ice Chest No.** GLWS-021 **Temp.**
To (Lab) merica St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7960 1752 7034
	Priority: 45 Days	**Offsite Property No.**

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

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

Total Activity Exemption: Yes ☑ No ☐

ple No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
1		W	6-22-08	1156	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
2		W	↓	↓	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
3		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
4		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
1		W			1x20-mL P	Activity Scan	None

	Print	Sign	Date/Time		Print	Sign	Date/Time
shed By Hanford RICHLAND WASHINGTON	DR.		0730 6-23-08	Received By	F. M. Hall		0730 6-23-08
shed By F. M. Hall			1430 6-23-08	Received By	FED EX		Date/Time
shed By FEDEX			Date/Time	Received By			6/24/08 0815
shed 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	

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

TestAmerica St. Louis

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)R HANFORD

SL741

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-006-160

Page 1 of 1

D. Woehle	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
06	Sampling Origin: Hanford Site	Purchase Order/Charge Code
'itle: JUNE 2008	HNF-N-506 14	Ice Chest No. GWS-021 Temp.
To (Lab): nerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 7960 1752 7034
	Priority: 45 Days	Offsite Property No.

.E SAMPLE HAZARDS/REMARKS
ontains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not ›er DOE Order 5400.5 (1990/1993)

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

›le No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
0		W	6-22-08	1256	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
1		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
2		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
3		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
0		W			1x20-mL P	Activity Scan	None

	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
hed By D. Woehle			0930 6-23-08	F. M. Hall			0930
hed By M. Hall			1430 6-23-08	FED EX			
hed By Ex							6/24/08 0915
hed By							

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	

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

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CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-006-172

Page 1 of 1

D. Woehle	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
06	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Title: JUNE 2008	HNF-N-506 14	Ice Chest No.: GW4-021 Temp.
To (Lab): merica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7960 1752 7034
	Priority: 45 Days	Offsite Property No.

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

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

Total Activity Exemption: Yes ☑ No ☐

ple No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
0		W	6-22-08	1426	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
1		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
2		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
3		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
V0		W			1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
D. Woehle			0930 6-23-08	F. M. Hall			0930 6-23-08
F. M. Hall			1430 6-23-08				
				FED EX			
Ex				8-21			6/24/08 0915

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	

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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CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-006-188

Page 1 of 1

er Hanford	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
06	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Title: JUNE 2008	HNF-N-506-16	Ice Chest No.: GLS-031 Temp.
To (Lab): nerica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 9970 1659 8416
	Priority: 45 Days	Offsite Property No.

LE SAMPLE HAZARDS/REMARKS
ontains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not ier DOE Order 5400.5 (1990/1993)

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

Total Activity Exemption: Yes ☑ No ☐

ple No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
/5		W	6-23-08	0906	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
/6		W	↓	↓	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
/7		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
/8		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
5		W	↓	↓	1x20-mL P	Activity Scan	None

	Print	Sign	Date/Time
hed By	[illegible]	[signature]	0930 6-23-08
hed By F. M. Hall		[signature]	1930 6-23-08
lied By			Date/Time
s Ex			
hed By			Date/Time

	Print	Sign	Date/Time
Received By	F. M. Hall	[signature]	0930 6-23-08
Received By	FED EX		Date/Time
Received By	B-N		Date/Time 6/24/08 0915
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

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

TestAmerica St. Louis

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CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

R HANFORD

SL741

C.O.C. # W08-006-200

Page 1 of 1

or Hanford EWINGTON	Contact/Requester Steve Trent	Telephone No. 509-373-5869 MSIN FAX
06	Sampling Origin Hanford Site	Purchase Order/Charge Code
itle JUNE 2008	HNF-IV-506-16/16	Ice Chest No. GWS-031 Temp.
o (Lab) erica St. Louis	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No. 7970 1659 8446
	Priority: 45 Days	Offsite Property No.

E SAMPLE HAZARDS/REMARKS
ontains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not er DOE Order 5400.5 (1990/1993)

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

Total Activity Exemption: Yes ☑ No ☐

le No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
		W	6-22-08	1446	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x20-mL P	Activity Scan	None

	Print	Sign	Date/Time		Print	Sign	Date/Time
ed By Hanford . R. EWINGTON			0930 6-23-08	Received By F. M. Hall			0930 6-23-08
ed By M. Hall			1430 6-23-08	Received By FED EX			Date/Time
ed By Ex			Date/Time	Received By J. Ex			Date/Time 6/24/08 0915
ed By			Date/Time	Received By			Date/Time

Matrix *

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

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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SL741

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W08-006-218**

Page 1 of 1

ıor Hanford H. BREWINGTON 06 Title JUNE 2008 To (Lab) nerica St. Louis	**Contact/Requester** Steve Trent **Sampling Origin** Hanford Site HNF-N-506-16 **Method of Shipment** Govt. Vehicle **Priority:** 45 Days	**Telephone No.** 509-373-5869 **MSIN** **FAX** **Purchase Order/Charge Code** **Ice Chest No.** Coolers-031 **Temp.** **Bill of Lading/Air Bill No.** 7970 1659 8416 **Offsite Property No.**

.E SAMPLE HAZARDS/REMARKS
ontains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not ıer DOE Order 5400.5 (1990/1993)

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

ıle No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
1		W	6-22-08	1032	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
1		W	↓	↓	1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
2		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
2		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
3		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
3		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
4		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
4		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
1		W	↓	↓	1x20-mL P	Activity Scan	None

hed By (Print) ɔr Hanford H. BREWINGTON (Sign)	Date/Time 0930 6-23-08	Received By W. M. Hall (Print) (Sign)	Date/Time 0930 6-23-08	**Matrix ***	
hed By M. Hall	Date/Time 1130 6-23-08	Received By FED EX	Date/Time	S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air	DS = Drum Solid DL = Drum Liquid T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other
hed By D Ex	Date/Time	Received By	Date/Time 6/24/08 09.1		
hed By	Date/Time	Received By	Date/Time		

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

TestAmerica St. Louis

Track Shipments/FedEx Kinko's Orders

Detailed Results

Tracking number	796017527034	**Reference**	GWS-021
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	Jun 23, 2008	**Delivered to**	Shipping/Receiving
Delivery date	Jun 24, 2008 9:21 AM	**Service type**	Priority Overnight
		Weight	84.0 lbs.

Status Delivered

Signature image available Yes

Date/Time		Activity	Location
Jun 24, 2008	9:21 AM	**Delivered**	Earth City, MO
	7:34 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	7:29 AM	At local FedEx facility	EARTH CITY, MO
	6:14 AM	At dest sort facility	BERKELEY, MO
	4:59 AM	Departed FedEx location	MEMPHIS, TN
Jun 23, 2008	5:33 PM	Left FedEx origin facility	PASCO, WA
	3:55 PM	Picked up	PASCO, WA
	3:28 PM	Package data transmitted to FedEx	

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

Subscribe to tracking updates (optional)

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

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

Select format: ◉ HTML ○ Text ○ Wireless

Add personal message:

Not available for Wireless or non-English characters.

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

Track Shipments/FedEx Kinko's Orders

Detailed Results

Tracking number	797016598416	**Reference**	GWS-031
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	Jun 23, 2008	**Delivered to**	Shipping/Receiving
Delivery date	Jun 24, 2008 9:21 AM	**Service type**	Priority Overnight
		Weight	92.0 lbs.

Status Delivered

Signature image available Yes

Date/Time		Activity	Location
Jun 24, 2008	9:21 AM	**Delivered**	Earth City, MO
	6:58 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	6:51 AM	At local FedEx facility	EARTH CITY, MO
	6:14 AM	At dest sort facility	BERKELEY, MO
	4:59 AM	Departed FedEx location	MEMPHIS, TN
	12:48 AM	Arrived at FedEx location	MEMPHIS, TN
Jun 23, 2008	5:33 PM	Left FedEx origin facility	PASCO, WA
	3:55 PM	Picked up	PASCO, WA
	3:29 PM	Package data transmitted to FedEx	

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

Subscribe to tracking updates (optional)

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

E-mail address	Language	Exception updates
	English	
	English	
	English	
	English	

Select format: HTML Text Wireless

Add personal message:

Not available for Wireless or non-English characters.

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): - 3295 - F8F240M1

Condition Upon Receipt Form

Client: Hanford
Quote No: 79814
COC/RFA No: See below
Initiated By: DO
Date: 6/24/08
Time: 0915

Shipping Information

Shipper Name: FE

Shipping # (s):*

1. 7960 1752 7034
2. 7970 1659 6416
3.
4.
5.
6.
7.
8.
9.
10.

Multiple Packages (Y) N

Sample Temperature (s):**

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

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

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

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

Notes: 1. W08-006-160, 172, 194
2. W08-006-188, 200, 218

Corrective Action:

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

SDG SL741

SL741 | cal 3672

·OR HANFORD — CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **I08-043-23**

Page 1 of 1

· Scott E. Hamaker	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
3	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Title: JUNE 2008	HNF-U-SOL-7	Ice Chest No. Temp.
To (Lab): merica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 7960 1758 1866
	Priority: 45 Days	Offsite Property No.

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

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

Total Activity Exemption: Yes ☑ No ☐

ple No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
V1		W	6-23-08	1110	3x1000-mL aG	8270_SVOA_GCMS: 1,4 Dioxane (1)	Cool~4C
V1		W			3x500-mL G/P	9030_SULFIDE: Sulfide (1)	ZnAc+NaOH to pH >9 Cool~4C
V1		W			1x20-mL P	Activity Scan	None
V1		W			1x500-mL aG	420.2_PHENOL: Phenol total(1)	H2SO4 to pH <2 Cool~4C
V1		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C

hed By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
ott E. Hamaker		Scott Hamaker	JUN 23 2008 1400	FED EX			
hed By			Date/Time	Received By			Date/Time
DEX							06-24-08 0915
hed By			Date/Time	Received By			Date/Time
hed 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	

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

TestAmerica St. Louis

Track Shipments/FedEx Kinko's Orders

Detailed Results

Tracking number	796017581866	**Reference**	TL1
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	Jun 23, 2008	**Delivered to**	Shipping/Receiving
Delivery date	Jun 24, 2008 9:21 AM	**Service type**	Priority Overnight
		Weight	46.0 lbs.

Status Delivered

Signature image available Yes

Date/Time		Activity	Location
Jun 24, 2008	9:21 AM	**Delivered**	Earth City, MO
	7:34 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	7:29 AM	At local FedEx facility	EARTH CITY, MO
	6:14 AM	At dest sort facility	BERKELEY, MO
	4:59 AM	Departed FedEx location	MEMPHIS, TN
	12:48 AM	Arrived at FedEx location	MEMPHIS, TN
Jun 23, 2008	5:33 PM	Left FedEx origin facility	PASCO, WA
	4:02 PM	Package data transmitted to FedEx	
	3:55 PM	Picked up	PASCO, WA

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

Subscribe to tracking updates (optional)

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

E-mail address	Language	Exception updates
	English	
	English	
	English	
	English	

Select format: ◉ HTML ○ Text ○ Wireless

Add personal message:

Not available for Wireless or non-English characters.

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): F8F240154
- 3672 -

Condition Upon Receipt Form

Client: Hanford
Quote No: 198116
COC/RFA No: I08-043
Initiated By: SL
Date: 06-24-08
Time: 0915

Shipping Information

Shipper Name: FedX
Shipping # (s):*
1. 7960 1758 1866
2.
3.
4.
5.
6.
7.
8.
9.
10.

Multiple Packages Y (N)
Sample Temperature (s):**
1. 3
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:

I08-043-23

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

WL 5673

R HANFORD

SL741

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-005-388

Page 1 of 1

R. Ellingsworth	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
5	Sampling Origin: Hanford Site	Purchase Order/Charge Code
tle: MAY 2008	HNF-H-506-12	Ice Chest No.: 3W-1 Temp.
o (Lab): erica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7960 1801 0682
	Priority: 45 Days	Offsite Property No.

E SAMPLE HAZARDS/REMARKS
ntains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not r DOE Order 5400.5 (1990/1993)

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

Total Activity Exemption: Yes ☑ No ☐

e No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
		W	6-23-08	1319	1x20-mL P	Activity Scan	None
		W	↓	↓	3x1000-mL aG	8270_SVOA_GCMS: 1,4 Dioxane (1)	Cool~4C

d By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
llingsworth	R L Y	[signature]	1000 6-24-08	FM	HAIL	[signature]	1000 6-24-08
d By				Received By			
M HAIL		[signature]	1400 6-24-08	FED EX			
d By				Received By			
ED Ex				B. [signature]			6/25/08 0945
d By				Received By			

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	

SAMPLE SITION

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

Tracking number	796018010682	**Reference**	GW-1
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	Jun 24, 2008	**Delivered to**	Shipping/Receiving
Delivery date	Jun 25, 2008 9:16 AM	**Service type**	Priority Overnight
		Weight	37.0 lbs.

Status Delivered

Signature image available Yes

Date/Time		Activity	Location
Jun 25, 2008	9:16 AM	**Delivered**	Earth City, MO
	6:10 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	6:06 AM	At local FedEx facility	EARTH CITY, MO
	5:19 AM	At dest sort facility	BERKELEY, MO
	4:28 AM	Departed FedEx location	MEMPHIS, TN
Jun 24, 2008	5:47 PM	Left FedEx origin facility	PASCO, WA
	4:11 PM	Picked up	PASCO, WA
	1:13 PM	Package data transmitted to FedEx	

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

Subscribe to tracking updates (optional)

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

E-mail address	Language		Exception updates
	English		
	English		
	English		
	English		

Select format: ◉ HTML ○ Text ○ Wireless

Add personal message:

Not available for Wireless or non-English characters.

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): F8F250314
- 3675 -

Condition Upon Receipt Form

Client: Hanford
Quote No: 79481
COC/RFA No: W08-005-368
Initiated By: BD
Date: 4/25/08
Time: 0915

Shipping Information

Shipper Name: FE
Shipping # (s):*
1. 7960 1801 0682
2.
3.
4.
5.
6.
7.
8.
9.
10.

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

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

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

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

Notes:

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

'R HANFORD SL741 | cof 3452

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-006-366

Page 1 of 1

D. J. Sparks	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
6	Sampling Origin: Hanford Site	Purchase Order/Charge Code
tle: JUNE 2008	HNF-N-506/17 pg 3	Ice Chest No. GPP-03-020 Temp.
n (Lab): erica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 7960 1883 8481
	Priority: 45 Days	Offsite Property No.

E SAMPLE HAZARDS/REMARKS
ntaint Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not er DOE Order 5400.5 (1990/1993)

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

Total Activity Exemption: Yes ☑ No ☐

le No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
		W	6/24/08	1216	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
D. J. Sparks			1240 6-25-08	Fm	Hall		1240 6-25-08
ed By m	Hall		1430 6-25-08	FED EX			Date/Time
ed By Ex			Date/Time	TA STL			06-26-08 0930
ed By			Date/Time	Received By			Date/Time

Matrix *

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

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

R HANFORD SL741

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-006-360

Page 1 of 1

D. J. Sparks	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
6	Sampling Origin: Hanford Site	Purchase Order/Charge Code
lle JUNE 2008	HNF-N-506/17 3	Ice Chest No. GPP-03-020 Temp.
a (Lab) erica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 7960 1883 8481
	Priority: 45 Days	Offsite Property No.

E SAMPLE HAZARDS/REMARKS
ntains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not r DOE Order 5400.5 (1990/1993)

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

Total Activity Exemption: Yes ☑ No ☐

c No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
		W	6/24/08	1041	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x20-mL P	Activity Scan	None

	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
d By	D. J. Sparks		1240 6-25-08		FM Hall		1240 6-25-08
d By	Hall		1930 6-25-08	Received By	FED EX		Date/Time
d By	Ex		Date/Time	Received By		6.26.08	Date/Time 0930
d By			Date/Time	Received By			Date/Time

Matrix *

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

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

TestAmerica St. Louis

SDG SL741

R HANFORD

SL741

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-006-355

Page 1 of 1

D. J. Sparks	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
6	Sampling Origin: Hanford Site	Purchase Order/Charge Code
tle: JUNE 2008	HNF-N-506/17	Ice Chest No. GPR03-020 Temp.
o (Lab): erica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 7960 1993 8481
	Priority: 45 Days	Offsite Property No.

E SAMPLE HAZARDS/REMARKS
ntains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not
t DOE Order 5400.5 (1990/1993)

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

Total Activity Exemption: Yes ☑ No ☐

le No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
5		W	6/24/08	0735	1x20-mL P	Activity Scan	None
3		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
9		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C

	Print	Sign	Date/Time		Print	Sign	Date/Time
ed By	J. Sparks		1240 6-25-08	Received By	FM HALL		1240 6-25-08
ed By	HALL		1430 6-25-08	Received By	FED EX		Date/Time
ed By	Ex		Date/Time	Received By			06.26.08 0930
ed By			Date/Time	Received By			Date/Time

Matrix *

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

SAMPLE SITION

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

Disposed By

Date/Time

TestAmerica St. Louis

R HANFORD

SL741

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-006-354

Page 1 of 1

D. J. Sparks	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
	Sampling Origin: Hanford Site	Purchase Order/Charge Code
le: JUNE 2008	HNF-N-506/17	Ice Chest No.: GPP-03-020 Temp.
o (Lab): erica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7960 1883 8481
	Priority: 45 Days	Offsite Property No.

E SAMPLE HAZARDS/REMARKS
ntains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not r DOE Order 5400.5 (1990/1993)

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

Total Activity Exemption: Yes ☑ No ☐

e No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
		W	6/24/08	0842	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x20-mL P	Activity Scan	None

d By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
D. J. Sparks			6-25-08 1240	FM HALL			6-25-08 1240
d By: HALL			6-25-08 1430	Received By: FED EX			Date/Time
d By: EX			Date/Time	Received By			06-26-08 0930
d By			Date/Time	Received By			Date/Time

Matrix *

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

SAMPLE SITION: 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

Tracking number	796018838481	**Reference**	GPP-03-020
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	Jun 25, 2008	**Delivered to**	Shipping/Receiving
Delivery date	Jun 26, 2008 9:23 AM	**Service type**	Priority Overnight
		Weight	89.0 lbs.

Status Delivered

Signature image available Yes

Date/Time		Activity	Location
Jun 26, 2008	9:23 AM	**Delivered**	Earth City, MO
	6:48 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	6:42 AM	At local FedEx facility	EARTH CITY, MO
	5:43 AM	At dest sort facility	BERKELEY, MO
	4:07 AM	Departed FedEx location	MEMPHIS, TN
	1:09 AM	Arrived at FedEx location	MEMPHIS, TN
Jun 25, 2008	5:15 PM	Left FedEx origin facility	PASCO, WA
	4:20 PM	Picked up	PASCO, WA
	2:48 PM	Package data transmitted to FedEx	

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

Subscribe to tracking updates (optional)

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

E-mail address	Language	Exception updates
	English	
	English	
	English	
	English	

Select format: ◉ HTML ○ Text ○ Wireless

Add personal message:

Not available for Wireless or non-English characters.

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): - 3452 - E8F260239

Condition Upon Receipt Form

Client: Hanford
Quote No: 79814
COC/RFA No: W08-0010-354, 355, 360, 366
Initiated By: [illegible]
Date: 06.23.08
Time: 0930

Shipping Information

Shipper Name: FedEx
Shipping # (s):*
1. 7960 1883 8481
2.
3.
4.
5.
6.
7.
8.
9.
10.

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

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

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

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

Notes:

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

R HANFORD SL741 CWR 3374

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S08-004-1166

Page 1 of 2

R. Ellingsworth	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
	Sampling Origin: Hanford Site	Purchase Order/Charge Code
tle: APRIL 2008	HNF-N-526-12	Ice Chest No.: CRP-03-004 Temp.
o (Lab): erica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 79701874 6814
	Priority: 45 Days	Offsite Property No.

E SAMPLE HAZARDS/REMARKS
ntains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not r DOE Order 5400.5 (1990/1993)

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

Total Activity Exemption: Yes ☑ No ☐

le No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
) (F)		W	6-26-08	1014	1x500-mL G/P	6020_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2
) (F)		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18) {see item 1}	HNO3 to pH <2
		W			1x500-mL G/P	6020_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2
		W			1x20-mL P	Activity Scan	None
		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18) {see item 1}	HNO3 to pH <2

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

ed By: Ellingsworth	Print / Sign	Date/Time: JUN 26 2008 1400	Received By: FEDEX	Print	Sign	Date/Time	Matrix *
ed By: Ex		Date/Time	Received By: Angela Boan			Date/Time: 6-27-08 945	
ed By		Date/Time	Received By			Date/Time	
ed By		Date/Time	Received By			Date/Time	

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

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

TestAmerica St. Louis

Track Shipments/FedEx Kinko's Orders

Detailed Results

Tracking number	797018748214	**Reference**	GRP-03-004
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	Jun 26, 2008	**Delivered to**	Shipping/Receiving
Delivery date	Jun 27, 2008 9:48 AM	**Service type**	Priority Overnight
		Weight	87.0 lbs.
Status	Delivered		
Signature image available	Yes		

Date/Time		Activity	Location
Jun 27, 2008	9:48 AM	**Delivered**	Earth City, MO
	6:43 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	6:38 AM	At local FedEx facility	EARTH CITY, MO
	5:49 AM	At dest sort facility	BERKELEY, MO
	4:37 AM	Departed FedEx location	MEMPHIS, TN
Jun 26, 2008	5:38 PM	Left FedEx origin facility	PASCO, WA
	4:16 PM	Package data transmitted to FedEx	
	4:13 PM	Picked up	PASCO, WA

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

Subscribe to tracking updates (optional)

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

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

Select format: ◉ HTML ○ Text ○ Wireless

Add personal message:

Not available for Wireless or non-English characters.

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): - 3324 - FEF270225 234 237

Condition Upon Receipt Form

Client: Hanford COC/RFA No: See Below Date: 6-27-08
Quote No: 79093, 79817, 79814 Initiated By: HB Time: 9:45

Shipping Information

Shipper Name: FE Multiple Packages (Y) N

Shipping # (s):*
1. 7970 1874 8214
2. 6818
3. 7960 1956 8921
4.
5.
6.
7.
8.
9.
10.

Sample Temperature (s):**
1. 5
2. 3
3. 2
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 HB 6-27-08	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:
S08-004-1166
W08-006-269, 268, 2, 5, 14
S08-006-2100

*Received B1VNP5 (LQ) broken
Received ~~B1VP09~~ (LQ) broken
B1VP09 HB 6-27-08

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

SDG SL741

R HANFORD SL741 CWP 3324

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST 56

C.O.C. # S08-006-21

Page 1 of 1

D. Woehle	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
	Sampling Origin: Hanford Site	Purchase Order/Charge Code
le: JUNE 2008	HNF-N-506-15	Ice Chest No.: Smal 600 Temp.
a (Lab): rica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7960 1956 8931
	Priority: 45 Days	Offsite Property No.

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

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

Total Activity Exemption: Yes ☑ No ☐

e No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
		W	6-26-08	0800	1x20-mL P	Activity Scan	None
		W	↓	↓	3x1000-mL aG	8270_SVOA_GCMS: 1,4 Dioxane (1)	Cool~4C

d By / Print / Sign	Date/Time	Received By / Print / Sign	Date/Time
oehle D. Woehle	6-26-08 1400	Fedex	
d By	Date/Time	Received By: Angela Boon	6-27-08 9:45
d By	Date/Time	Received By: Angela Boon	6-27-08 9:45
d 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

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

TestAmerica St. Louis

R HANFORD

SL741

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S08-006-20

Page 1 of 1

y Sickle	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
	Sampling Origin: Hanford Site	Purchase Order/Charge Code
lle: JUNE 2008	HNF-N-506-15	Ice Chest No. SML-600 Temp.
o (Lab): erica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 7960 1956 8931
	Priority: 45 Days	Offsite Property No.

E SAMPLE HAZARDS/REMARKS

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

le No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
	1	W	06/24/08	1037	1x20-mL P	Activity Scan	None
	1	W	1	1	3x1000-mL aG	8270_SVOA_GCMS: 1,4 Dioxane (1)	Cool-4C

ed By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
ckle			JUN 26 2008 1400	FedEx			
ed By			Date/Time	Received By			Date/Time
							6-27-08 9:45
ed By			Date/Time	Received By			Date/Time
ed 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	

SAMPLE SITION: 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

Tracking number	796019568931	**Reference**	SML-600
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	Jun 26, 2008	**Delivered to**	Shipping/Receiving
Delivery date	Jun 27, 2008 9:48 AM	**Service type**	Priority Overnight
		Weight	55.0 lbs.
Status	Delivered		
Signature image available	Yes		

Date/Time		Activity	Location
Jun 27, 2008	9:48 AM	**Delivered**	Earth City, MO
	6:56 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	6:50 AM	At local FedEx facility	EARTH CITY, MO
	5:49 AM	At dest sort facility	BERKELEY, MO
	4:37 AM	Departed FedEx location	MEMPHIS, TN
	1:09 AM	Arrived at FedEx location	MEMPHIS, TN
Jun 26, 2008	5:38 PM	Left FedEx origin facility	PASCO, WA
	4:13 PM	Picked up	PASCO, WA
	3:09 PM	Package data transmitted to FedEx	

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

Subscribe to tracking updates (optional)

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

E-mail address	Language	Exception updates
	English	
	English	
	English	
	English	

Select format: HTML Text Wireless

Add personal message:

Not available for Wireless or non-English characters.

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): - 3324 - F8F270225 (236) 237

Condition Upon Receipt Form

Client: Hanford
Quote No: 79093 79617 79614
COC/RFA No: See Below
Initiated By: AB
Date: 6-27-08
Time: 9:45

Shipping Information

Shipper Name: FE
Multiple Packages (Y) N

Shipping # (s):*
1. 7970 1874 8214
2. 6818
3. 7960 1956 8982
4.
5.
6.
7.
8.
9.
10.

Sample Temperature (s):**
1. 5
2. 3
3. 2
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 AB 6-27-08	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:
S08-004-1166
W08-006-269, 268, 2, 5, 14
S08-006-2120

*Received B1VNP5 (LB) broken
Received ~~B1V70~~ (LB) broken
B1V709 AB 6-27-08

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

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Cont 3324

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-006-269

Page 1 of 1

. Ellingworth	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
6	Sampling Origin: Hanford Site	Purchase Order/Charge Code
tle: JUNE 2008	HNF-N-506-12	Ice Chest No.: GRP-03-006 Temp.
n (Lab): erica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7970 1874 6814
	Priority: 45 Days	Offsite Property No.

E SAMPLE HAZARDS/REMARKS
ntains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not r DOE Order 5400.5 (1990/1993)

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

Total Activity Exemption: Yes ☑ No ☐

e No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
		W	6-26-08	0800	1x20-mL P	Activity Scan	None
-DICKSON		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C

d By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Ellingworth			1400 JUN 26 2008	Fed Ex			
d By			Date/Time	Received By			Date/Time
Ex				Angela Boon			6-27-08 9:45
d By			Date/Time	Received By			Date/Time
d 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	

SAMPLE SITION

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

TestAmerica St. Louis

R HANFORD

SL741

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-006-2

Page 1 of 1

D. J. Sparks	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
6	Sampling Origin: Hanford Site	Purchase Order/Charge Code
tle: JUNE 2008	HNF-N-506-17/7	Ice Chest No. GRP-03-00 Temp.
a (Lab): erica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 7970 1874 6814
	Priority: 45 Days	Offsite Property No.

F SAMPLE HAZARDS/REMARKS
ontains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not er DOE Order 5400.5 (1990/1993)

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

le No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
		W	6/26/08	1241	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W	↓	↓	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W	↓	↓	1x20-mL P	Activity Scan	None

ed By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Sparks			6/26/08 1400				
ed By			Date/Time	Received By			Date/Time
Ex				Angelo Bova			6-27-08 9:45
ed By			Date/Time	Received By			Date/Time
ed 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

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

R HANFORD

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CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-006-268

Page 1 of 1

Ellingsworth	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
6	Sampling Origin: Hanford Site	Purchase Order/Charge Code
tle: JUNE 2008	HNF-N-506-12	Ice Chest No.: GRP-03-004 Temp.
a (Lab): erica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7970 1874 6814
	Priority: 45 Days	Offsite Property No.

E SAMPLE HAZARDS/REMARKS
ntains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not r DOE Order 5400.5 (1990/1993)

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

Total Activity Exemption: Yes ☑ No ☐

le No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
		W	6-26-08	1226	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x20-mL P	Activity Scan	None

	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
d By Ellingsworth	Kelly		1400 6-26-08	R. Ellingsworth			6-26-08
d By FEDEX			Date/Time	Received By			Date/Time 6-27-08 9:45
d By			Date/Time	Received By			Date/Time
d 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	

SAMPLE SITION

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

R HANFORD

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CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-006-5

Page 1 of 1

D. J. Sparks	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
6	Sampling Origin: Hanford Site	Purchase Order/Charge Code: CRP-03-002
tle: JUNE 2008	HNF-N-506-17/6	Ice Chest No. Temp.
o (Lab): erica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 7970 1874 6818
	Priority: 45 Days	Offsite Property No.

E SAMPLE HAZARDS/REMARKS
ntains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not r DOE Order 5400.5 (1990/1993)

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

Total Activity Exemption: Yes ☑ No ☐

le No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
		W	6/26/08	1053	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x20-mL P	Activity Scan	None

ed By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
J. Sparks			1400 6/26/08	FedEx			
ed By			Date/Time	Received By			Date/Time
> Ex				Angela Bon			6-27-08 9:45
ed By			Date/Time	Received By			Date/Time
ed By			Date/Time	Received By			Date/Time

Matrix *

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

SAMPLE SITION

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

Disposed By

Date/Time

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CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-006-14

Page 1 of 1

D. J. Sparks	Contact/Requester: Steve Trent	Telephone No. 509-373-5869 MSIN FAX
	Sampling Origin: Hanford Site	Purchase Order/Charge Code
le: JUNE 2008	HNF-N-506-17/7	Ice Chest No. GRP-03-002 Temp.
(Lab): erica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 2970 1874 6818
	Priority: 45 Days	Offsite Property No.

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

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

e No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
		W	6/26/08	1146	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
		W			1x20-mL P	Activity Scan	None

d By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
. J. Sparks			1400 6/26/08	FedEX			
d By			Date/Time	Received By			Date/Time
Ex				Angela Brown			6/27/08 9:45
d By			Date/Time	Received By			Date/Time
d 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	

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

TestAmerica St. Louis

Track Shipments/FedEx Kinko's Orders

Detailed Results

Tracking number	797018746818	**Reference**	GRP-03-002
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	Jun 26, 2008	**Delivered to**	Shipping/Receiving
Delivery date	Jun 27, 2008 9:48 AM	**Service type**	Priority Overnight
		Weight	60.0 lbs.

Status Delivered

Signature image available Yes

Date/Time		Activity	Location
Jun 27, 2008	9:48 AM	**Delivered**	Earth City, MO
	6:41 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	6:35 AM	At local FedEx facility	EARTH CITY, MO
	5:49 AM	At dest sort facility	BERKELEY, MO
	4:37 AM	Departed FedEx location	MEMPHIS, TN
	1:09 AM	Arrived at FedEx location	MEMPHIS, TN
Jun 26, 2008	5:38 PM	Left FedEx origin facility	PASCO, WA
	4:15 PM	Package data transmitted to FedEx	
	4:13 PM	Picked up	PASCO, WA

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

Subscribe to tracking updates (optional)

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

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

Select format: HTML Text Wireless

Add personal message:

Not available for Wireless or non-English characters.

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

Track Shipments/FedEx Kinko's Orders

Detailed Results

Tracking number	797018748214	**Reference**	GRP-03-004
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	Jun 26, 2008	**Delivered to**	Shipping/Receiving
Delivery date	Jun 27, 2008 9:48 AM	**Service type**	Priority Overnight
		Weight	87.0 lbs.

Status Delivered

Signature image available Yes

Date/Time		Activity	Location
Jun 27, 2008	9:48 AM	**Delivered**	Earth City, MO
	6:43 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	6:38 AM	At local FedEx facility	EARTH CITY, MO
	5:49 AM	At dest sort facility	BERKELEY, MO
	4:37 AM	Departed FedEx location	MEMPHIS, TN
Jun 26, 2008	5:38 PM	Left FedEx origin facility	PASCO, WA
	4:16 PM	Package data transmitted to FedEx	
	4:13 PM	Picked up	PASCO, WA

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

Subscribe to tracking updates (optional)

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

E-mail address	Language		Exception updates
	English		
	English		
	English		
	English		

Select format: HTML Text Wireless

Add personal message:

Not available for Wireless or non-English characters.

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): FBF270225
- 3324 - 234
237

Condition Upon Receipt Form

Client: Hanford
Quote No: 79093 79817 79814
COC/RFA No: See Below
Initiated By: HB
Date: 6-27-08
Time: 9:45

Shipping Information

Shipper Name: FE
Shipping # (s):*
1. 7970 1874 8214
2. 6818
3. 7960 1956 8921
4.
5.
6.
7.
8.
9.
10.

Multiple Packages (Y) N

Sample Temperature (s):**
1. 5
2. 3
3. 2
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 HB 6-27-08	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:
S08-004-1166
W08-006-269, 268, 2, 5, 14
S08-006-2100

*Received B1VNP5 (LB) broken
Received ~~B1V70.9~~ (LB) broken
B1V709 HB 6-27-08

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

'R HANFORD

SL741

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-006-238

Page 1 of 1

KE Hamilton	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
6	Sampling Origin: Hanford Site	Purchase Order/Charge Code
tle: JUNE 2008	HNF-N-506-15	Ice Chest No. GWS-008 Temp.
o (Lab): erica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 7970 1938 6975
	Priority: 45 Days	Offsite Property No.

E SAMPLE HAZARDS/REMARKS
ntains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not er DOE Order 5400.5 (1990/1993)

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

Total Activity Exemption: Yes ☑ No ☐

le No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
		W	6-27-08	0818	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W	↓	↓	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
milton	Ken Ellenbo		JUN 27 2008 1400	FedEx			
ed By: DEX			Date/Time	Received By: 8			4/28/08 0830
ed By			Date/Time	Received By			Date/Time
ed By			Date/Time	Received By			Date/Time

Matrix *

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

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

SDG SL741

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

R HANFORD

SL741

C.O.C. # W08-006-244

Page 1 of 1

KE Hamilton	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
16	Sampling Origin: Hanford Site	Purchase Order/Charge Code
ile: JUNE 2008	HNF-N-506-15	Ice Chest No.: GWS-008 Temp.
o (Lab): erica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7970 1938 6975
	Priority: 45 Days	Offsite Property No.

E SAMPLE HAZARDS/REMARKS
ontains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not er DOE Order 5400.5 (1990/1993)

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

Total Activity Exemption: Yes ☑ No ☐

de No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
)		W	6-27-08	1106	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
1		W	↓	↓	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
2		W	↓	↓	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
3		W	↓	↓	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
)		W	↓	↓	1x20-mL P	Activity Scan	None

ed By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
milton	Kenn E Hamilton	JUN 27 2008	1400	Fed Ex			
ed By			Date/Time	Received By			Date/Time
Ex				B-Ll			6/28/08 0830
ed By			Date/Time	Received By			Date/Time
ed 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	

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

TestAmerica St. Louis

SDG SL741

R HANFORD

SL741

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

95

C.O.C. # W08-006-250

Page 1 of 1

Hamilton	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
6	Sampling Origin: Hanford Site	Purchase Order/Charge Code
lle JUNE 2008	HNF-N-506-15	Ice Chest No. GWS-008 Temp.
o (Lab) erica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 7970 1938 6975
	Priority: 45 Days	Offsite Property No.

E SAMPLE HAZARDS/REMARKS
ntains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not r DOE Order 5400.5 (1990/1993)

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

e No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
		W	6-27-08	1240	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W	↓	↓	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x20-mL P	Activity Scan	None

ed By Print Sign Date/Time: ilton JUN 27 2008 1400	Received By Print Sign Date/Time: Fed Ex	Matrix *	
ed By Date/Time: Fex	Received By Date/Time: B-Dil 6/26/08 0830	S = Soil; SE = Sediment; SO = Solid; SL = Sludge; W = Water; O = Oil; A = Air	DS = Drum Solid; DL = Drum Liquid; T = Tissue; WI = Wipe; L = Liquid; V = Vegetation; X = Other
ed By Date/Time	Received By Date/Time		
ed By Date/Time	Received By Date/Time		

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

TestAmerica St. Louis

SDG SL741

R HANFORD

SL741

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W08-006-262

Page 1 of 1

KE Hamilton	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
6	Sampling Origin: Hanford Site	Purchase Order/Charge Code
tle: JUNE 2008	HNF-N-506-15	Ice Chest No.: GWS-008 Temp.
n (Lab): erica St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7970 1938 6975
	Priority: 45 Days	Offsite Property No.

E SAMPLE HAZARDS/REMARKS
ntains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not r DOE Order 5400.5 (1990/1993)

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

le No	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
		W	6-27-08	0931	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
		W			1x20-mL P	Activity Scan	None

ed By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Hamilton	Yvonne E Hamilton		JUN 27 2008 1400	FedEx			
ed By			Date/Time	Received By			Date/Time 6-28-08 0830
ed By			Date/Time	Received By			Date/Time
ed By			Date/Time	Received By			Date/Time

Matrix *

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

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

TestAmerica St. Louis

Track Shipments/FedEx Kinko's Orders

Detailed Results

Tracking number	797019386975	**Reference**	GWS-008
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	Jun 27, 2008	**Delivered to**	Shipping/Receiving
Delivery date	Jun 28, 2008 8:29 AM	**Service type**	Priority Overnight
		Weight	98.0 lbs.

Status Delivered

Signature image available Yes

Date/Time		Activity	Location
Jun 28, 2008	8:29 AM	**Delivered**	Earth City, MO
	7:49 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	7:18 AM	At local FedEx facility	EARTH CITY, MO
	5:46 AM	At dest sort facility	BERKELEY, MO
	4:17 AM	Departed FedEx location	MEMPHIS, TN
	12:39 AM	Arrived at FedEx location	MEMPHIS, TN
Jun 27, 2008	5:41 PM	Left FedEx origin facility	PASCO, WA
	3:45 PM	Package data transmitted to FedEx	

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

Subscribe to tracking updates (optional)

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

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

Select format: ◉ HTML ○ Text ○ Wireless

Add personal message:

Not available for Wireless or non-English characters.

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): F8F280173
- 3334 -

Condition Upon Receipt Form

Client: Hanford
Quote No: 79614
COC/RFA No: W08-00L-238, 244, 250, 262
Initiated By:
Date: 6/28/08
Time: 0830

Shipping Information

Shipper Name: FE
Shipping # (s):*
1. 7970 1938 6975
2.
3.
4.
5.
6.
7.
8.
9.
10.

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

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

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

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

Notes:

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

GC/MS SEMIVOLATILES

Fluor Hanford Inc

Client Sample ID: B1VKW1

GC/MS Semivolatiles

Lot-Sample #...: F8F240154-001 **Work Order #...:** KQGH21AC **Matrix.....:** WATER
Date Sampled...: 06/23/08 **Date Received..:** 06/24/08
Prep Date.....: 06/26/08 **Analysis Date..:** 07/21/08
Prep Batch #...: 8178106
Dilution Factor: 1 **Method.....:** SW846 8270C

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	43	(15 - 78)
Phenol-d5	27	(15 - 63)
Nitrobenzene-d5	69	(20 - 103)
2-Fluorobiphenyl	67	(20 - 103)
2,4,6-Tribromophenol	70	(20 - 110)
Terphenyl-d14	73	(15 - 114)

Fluor Hanford Inc

B1VKW1

GC/MS Semivolatiles

Lot-Sample #: F8F240154-001 **Work Order #:** KQGH21AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown aldol condensate		110	M	4.0293	ug/L
1H-benzotriazole	95-14-7	7.9	M	7.4109	ug/L
Unknown		5.6	M	16.262	ug/L

NOTE(S):

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

Fluor Hanford Inc

Client Sample ID: B1V887

GC/MS Semivolatiles

Lot-Sample #...: F8F250314-001 **Work Order #...:** KQKWK1AC **Matrix.....:** WATER
Date Sampled...: 06/23/08 **Date Received..:** 06/25/08
Prep Date.....: 06/26/08 **Analysis Date..:** 07/21/08
Prep Batch #...: 8178106
Dilution Factor: 1 **Method.....:** SW846 8270C

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	51	(15 - 78)
Phenol-d5	32	(15 - 63)
Nitrobenzene-d5	80	(20 - 103)
2-Fluorobiphenyl	76	(20 - 103)
2,4,6-Tribromophenol	72	(20 - 110)
Terphenyl-d14	76	(15 - 114)

Fluor Hanford Inc

B1V887

GC/MS Semivolatiles

Lot-Sample #: F8F250314-001 **Work Order #:** KQKWK1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown alkane		3.9	M	3.8813	ug/L
Unknown alkane		4.3	M	3.9454	ug/L
Unknown aldol condensate		260	M	4.0416	ug/L
Unknown		12	M	16.253	ug/L

NOTE(S):

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

Fluor Hanford Inc

Client Sample ID: B1VM33

GC/MS Semivolatiles

Lot-Sample #...: F8F270236-001 **Work Order #...:** KQQJF1AC **Matrix.....:** WATER
Date Sampled...: 06/26/08 **Date Received..:** 06/27/08
Prep Date.....: 06/30/08 **Analysis Date..:** 07/21/08
Prep Batch #...: 8182123
Dilution Factor: 1 **Method.....:** SW846 8270C

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	46	(15 - 78)
Phenol-d5	29	(15 - 63)
Nitrobenzene-d5	78	(20 - 103)
2-Fluorobiphenyl	73	(20 - 103)
2,4,6-Tribromophenol	61	(20 - 110)
Terphenyl-d14	70	(15 - 114)

Fluor Hanford Inc

B1VM33

GC/MS Semivolatiles

Lot-Sample #: F8F270236-001 **Work Order #:** KQQJF1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown aldol condensate		190	M	4.02	ug/L
Unknown		12	M	16.221	ug/L

NOTE(S):

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

Fluor Hanford Inc

Client Sample ID: B1VM32

GC/MS Semivolatiles

Lot-Sample #...: F8F270236-002 **Work Order #...:** KQQJG1AC **Matrix.....:** WATER
Date Sampled...: 06/26/08 **Date Received..:** 06/27/08
Prep Date.....: 06/30/08 **Analysis Date..:** 07/21/08
Prep Batch #...: 8182123
Dilution Factor: 1 **Method.....:** SW846 8270C

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	46	(15 - 78)
Phenol-d5	29	(15 - 63)
Nitrobenzene-d5	79	(20 - 103)
2-Fluorobiphenyl	75	(20 - 103)
2,4,6-Tribromophenol	66	(20 - 110)
Terphenyl-d14	68	(15 - 114)

Fluor Hanford Inc

B1VM32

GC/MS Semivolatiles

Lot-Sample #: F8F270236-002 **Work Order #:** KQQJG1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		5.4	M	3.8161	ug/L
Unknown aldol condensate		180	M	4.0245	ug/L
Unknown		12	M	16.236	ug/L

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: SL741 **Work Order #...:** KQLKA1AA **Matrix.....:** WATER
MB Lot-Sample #: F8F260000-106

Prep Date.....: 06/26/08
Analysis Date..: 07/21/08 **Prep Batch #...:** 8178106
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	43	(15 - 78)
Phenol-d5	29	(15 - 63)
Nitrobenzene-d5	67	(20 - 103)
2-Fluorobiphenyl	63	(20 - 103)
2,4,6-Tribromophenol	58	(20 - 110)
Terphenyl-d14	68	(15 - 114)

NOTE(S):

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

Fluor Hanford Inc

Method Blank Report

GC/MS Semivolatiles

Lot-Sample #: F8F260000-106 B **Work Order #:** KQLKA1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown Aldol Condensate		82	M	4.025	ug/L
Unknown		6.9	M	16.253	ug/L

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: SL741 **Work Order #...:** KQT4X1AA **Matrix.....:** WATER
MB Lot-Sample #: F8F300000-123

Prep Date.....: 06/30/08
Analysis Date..: 07/21/08 **Prep Batch #...:** 8182123
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	51	(15 - 78)
Phenol-d5	33	(15 - 63)
Nitrobenzene-d5	78	(20 - 103)
2-Fluorobiphenyl	71	(20 - 103)
2,4,6-Tribromophenol	66	(20 - 110)
Terphenyl-d14	68	(15 - 114)

NOTE(S):

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

Fluor Hanford Inc

Method Blank Report

GC/MS Semivolatiles

Lot-Sample #: F8F300000-123 B **Work Order #:** KQT4X1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown Aldol Condensate		150	M	4.03	ug/L
Unknown		14	M	16.253	ug/L

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: SL741 **Work Order #...:** KQLKA1AC **Matrix.....:** WATER
LCS Lot-Sample#: F8F260000-106
Prep Date.....: 06/26/08 **Analysis Date..:** 07/21/08
Prep Batch #...: 8178106
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Pentachlorophenol	**100**	**64.4**	**ug/L**	**64**	**SW846 8270C**
bis(2-Ethylhexyl) phthalate	**100**	**77.5**	**ug/L**	**77**	**SW846 8270C**
3-Methylphenol & 4-Methylphenol	**100**	**77.3**	**ug/L**	**77**	**SW846 8270C**
1,4-Dichlorobenzene	**100**	**62.7**	**ug/L**	**63**	**SW846 8270C**
Phenol	**100**	**34.7**	**ug/L**	**35**	**SW846 8270C**
2-Methylphenol	**100**	**73.3**	**ug/L**	**73**	**SW846 8270C**
2-Nitrophenol	**100**	**82.0**	**ug/L**	**82**	**SW846 8270C**
2,4-Dichlorophenol	**100**	**81.5**	**ug/L**	**82**	**SW846 8270C**
Naphthalene	**100**	**72.0**	**ug/L**	**72**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	54	(15 - 58)
Phenol-d5	37	(10 - 39)
Nitrobenzene-d5	81	(22 - 94)
2-Fluorobiphenyl	82	(20 - 97)
2,4,6-Tribromophenol	82	(23 - 102)
Terphenyl-d14	79	(30 - 114)

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 Semivolatiles

Client Lot #...: SL741 **Work Order #...:** KQT4X1AC **Matrix.....:** WATER
LCS Lot-Sample#: F8F300000-123
Prep Date.....: 06/30/08 **Analysis Date..:** 07/21/08
Prep Batch #...: 8182123
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
3-Methylphenol & 4-Methylphenol	**100**	**73.2**	**ug/L**	**73**	**SW846 8270C**
1,4-Dichlorobenzene	**100**	**52.2**	**ug/L**	**52**	**SW846 8270C**
Phenol	**100**	**33.6**	**ug/L**	**34**	**SW846 8270C**
2-Methylphenol	**100**	**71.1**	**ug/L**	**71**	**SW846 8270C**
2-Nitrophenol	**100**	**78.8**	**ug/L**	**79**	**SW846 8270C**
2,4-Dichlorophenol	**100**	**77.6**	**ug/L**	**78**	**SW846 8270C**
Naphthalene	**100**	**58.9**	**ug/L**	**59**	**SW846 8270C**
Pentachlorophenol	**100**	**67.4**	**ug/L**	**67**	**SW846 8270C**
bis(2-Ethylhexyl) phthalate	**100**	**74.6**	**ug/L**	**75**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	52	(15 - 58)
Phenol-d5	35	(10 - 39)
Nitrobenzene-d5	78	(22 - 94)
2-Fluorobiphenyl	69	(20 - 97)
2,4,6-Tribromophenol	79	(23 - 102)
Terphenyl-d14	72	(30 - 114)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: SL741 **Work Order #...:** KQGH21AG-MS **Matrix.....:** WATER
MS Lot-Sample #: F8F240154-001 KQGH21AH-MSD
Date Sampled...: 06/23/08 **Date Received..:** 06/24/08
Prep Date.....: 06/26/08 **Analysis Date..:** 07/21/08
Prep Batch #...: 8178106
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Phenol	**ND**	**95.8**	**26.2**	**ug/L**	**27**		**SW846 8270C**
	ND	**97.8**	**30.6**	**ug/L**	**31**	**15**	**SW846 8270C**
2-Methylphenol	**ND**	**95.8**	**57.7**	**ug/L**	**60**		**SW846 8270C**
	ND	**97.8**	**66.2**	**ug/L**	**68**	**14**	**SW846 8270C**
3-Methylphenol & 4-Methylphenol	**ND**	**95.8**	**58.8**	**ug/L**	**61**		**SW846 8270C**
	ND	**97.8**	**68.3**	**ug/L**	**70**	**15**	**SW846 8270C**
2-Nitrophenol	**ND**	**95.8**	**63.0**	**ug/L**	**66**		**SW846 8270C**
	ND	**97.8**	**76.4**	**ug/L**	**78**	**19**	**SW846 8270C**
2,4-Dichlorophenol	**ND**	**95.8**	**62.7**	**ug/L**	**66**		**SW846 8270C**
	ND	**97.8**	**75.9**	**ug/L**	**78**	**19**	**SW846 8270C**
Naphthalene	**ND**	**95.8**	**57.6**	**ug/L**	**60**		**SW846 8270C**
	ND	**97.8**	**70.4**	**ug/L**	**72**	**20**	**SW846 8270C**
Pentachlorophenol	**ND**	**95.8**	**53.5**	**ug/L**	**56**		**SW846 8270C**
	ND	**97.8**	**67.2**	**ug/L**	**69 p**	**23**	**SW846 8270C**
bis(2-Ethylhexyl) phthalate	**ND**	**95.8**	**61.2**	**ug/L**	**64**		**SW846 8270C**
	ND	**97.8**	**74.4**	**ug/L**	**76**	**19**	**SW846 8270C**
1,4-Dichlorobenzene	**ND**	**95.8**	**50.8**	**ug/L**	**53**		**SW846 8270C**
	ND	**97.8**	**63.7**	**ug/L**	**65 p**	**23**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	45	(15 - 78)
	50	(15 - 78)
Phenol-d5	30	(15 - 63)
	33	(15 - 63)
Nitrobenzene-d5	68	(20 - 103)
	78	(20 - 103)
2-Fluorobiphenyl	68	(20 - 103)
	79	(20 - 103)
2,4,6-Tribromophenol	68	(20 - 110)
	82	(20 - 110)
Terphenyl-d14	66	(15 - 114)
	77	(15 - 114)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: SL741 **Work Order #...:** KQQJF1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F8F270236-001 KQQJF1AE-MSD
Date Sampled...: 06/26/08 **Date Received..:** 06/27/08
Prep Date.....: 06/30/08 **Analysis Date..:** 07/21/08
Prep Batch #...: 8182123
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Phenol	**ND**	**97.3**	**29.3**	**ug/L**	**30**		**SW846 8270C**
	ND	**96.7**	**30.0**	**ug/L**	**31**	**2.5**	**SW846 8270C**
2-Methylphenol	**ND**	**97.3**	**65.9**	**ug/L**	**68**		**SW846 8270C**
	ND	**96.7**	**66.9**	**ug/L**	**69**	**1.5**	**SW846 8270C**
3-Methylphenol & 4-Methylphenol	**ND**	**97.3**	**67.2**	**ug/L**	**69**		**SW846 8270C**
	ND	**96.7**	**68.5**	**ug/L**	**71**	**1.9**	**SW846 8270C**
2-Nitrophenol	**ND**	**97.3**	**77.6**	**ug/L**	**80**		**SW846 8270C**
	ND	**96.7**	**78.5**	**ug/L**	**81**	**1.1**	**SW846 8270C**
2,4-Dichlorophenol	**ND**	**97.3**	**75.7**	**ug/L**	**78**		**SW846 8270C**
	ND	**96.7**	**77.3**	**ug/L**	**80**	**2.1**	**SW846 8270C**
Naphthalene	**ND**	**97.3**	**70.8**	**ug/L**	**73**		**SW846 8270C**
	ND	**96.7**	**72.5**	**ug/L**	**75**	**2.4**	**SW846 8270C**
Pentachlorophenol	**ND**	**97.3**	**61.5**	**ug/L**	**63**		**SW846 8270C**
	ND	**96.7**	**61.3**	**ug/L**	**63**	**0.30**	**SW846 8270C**
bis(2-Ethylhexyl) phthalate	**ND**	**97.3**	**72.3**	**ug/L**	**74**		**SW846 8270C**
	ND	**96.7**	**72.0**	**ug/L**	**74**	**0.52**	**SW846 8270C**
1,4-Dichlorobenzene	**ND**	**97.3**	**63.7**	**ug/L**	**65**		**SW846 8270C**
	ND	**96.7**	**65.7**	**ug/L**	**68**	**3.2**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	50	(15 - 78)
	50	(15 - 78)
Phenol-d5	32	(15 - 63)
	32	(15 - 63)
Nitrobenzene-d5	80	(20 - 103)
	81	(20 - 103)
2-Fluorobiphenyl	79	(20 - 103)
	79	(20 - 103)
2,4,6-Tribromophenol	78	(20 - 110)
	79	(20 - 110)
Terphenyl-d14	71	(15 - 114)
	71	(15 - 114)

NOTE(S):

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

Bold print denotes control parameters

METALS

Fluor Hanford Inc

Client Sample ID: B1TWY9

DISSOLVED Metals

Lot-Sample #...: F8F270225-001 **Matrix.....:** WATER
Date Sampled...: 06/26/08 **Date Received..:** 06/27/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8182275						
Antimony	ND	60.0	ug/L	SW846 6010B	06/30-07/03/08	KQQF91AA
		Dilution Factor: 1		MDL.....: 4.0		
Barium	**17.4 B**	**200**	**ug/L**	**SW846 6010B**	**06/30-07/03/08**	**KQQF91AC**
		Dilution Factor: 1		MDL.....: 0.85		
Beryllium	ND	5.0	ug/L	SW846 6010B	06/30-07/03/08	KQQF91AD
		Dilution Factor: 1		MDL.....: 0.50		
Cadmium	ND	5.0	ug/L	SW846 6010B	06/30-07/03/08	KQQF91AE
		Dilution Factor: 1		MDL.....: 0.45		
Calcium	**27900 C,D**	**10000**	**ug/L**	**SW846 6010B**	**06/30-07/03/08**	**KQQF91AF**
		Dilution Factor: 2		MDL.....: 37.2		
Chromium	ND	10.0	ug/L	SW846 6010B	06/30-07/03/08	KQQF91AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	06/30-07/03/08	KQQF91AH
		Dilution Factor: 1		MDL.....: 4.0		
Copper	ND	25.0	ug/L	SW846 6010B	06/30-07/03/08	KQQF91AJ
		Dilution Factor: 1		MDL.....: 4.6		
Iron	ND	100	ug/L	SW846 6010B	06/30-07/03/08	KQQF91AK
		Dilution Factor: 1		MDL.....: 16.0		
Magnesium	**7890**	**5000**	**ug/L**	**SW846 6010B**	**06/30-07/03/08**	**KQQF91AL**
		Dilution Factor: 1		MDL.....: 110		
Manganese	ND	15.0	ug/L	SW846 6010B	06/30-07/03/08	KQQF91AM
		Dilution Factor: 1		MDL.....: 0.96		
Nickel	ND	40.0	ug/L	SW846 6010B	06/30-07/03/08	KQQF91AN
		Dilution Factor: 1		MDL.....: 13.3		
Potassium	**5800**	**5000**	**ug/L**	**SW846 6010B**	**06/30-07/02/08**	**KQQF91AP**
		Dilution Factor: 1		MDL.....: 1650		
Silver	ND	10.0	ug/L	SW846 6010B	06/30-07/03/08	KQQF91AQ
		Dilution Factor: 1		MDL.....: 6.0		

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Fluor Hanford Inc

Client Sample ID: B1TWY9

DISSOLVED Metals

Lot-Sample #...: F8F270225-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**14400**	**5000**	**ug/L**	**SW846 6010B**	**06/30-07/02/08**	**KQQF91AR**
		Dilution Factor: 1		MDL.....: 134		
Strontium	**154 D**	**100**	**ug/L**	**SW846 6010B**	**06/30-07/03/08**	**KQQF91AT**
		Dilution Factor: 2		MDL.....: 1.1		
Vanadium	**39.2 B**	**50.0**	**ug/L**	**SW846 6010B**	**06/30-07/03/08**	**KQQF91AU**
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	ND	20.0	ug/L	SW846 6010B	06/30-07/03/08	KQQF91AV
		Dilution Factor: 1		MDL.....: 5.2		

Prep Batch #...: 8182277

Arsenic	**10**	**10.0**	**ug/L**	**SW846 6020**	**06/30-07/22/08**	**KQQF91AW**
		Dilution Factor: 1		MDL.....: 1.9		

NOTE(S):

B Estimated result. Result is less than RL.

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

D Result was obtained from the analysis of a dilution.

Fluor Hanford Inc

Client Sample ID: B1TX00

TOTAL Metals

Lot-Sample #...: F8F270225-002 **Matrix.....:** WATER
Date Sampled...: 06/26/08 **Date Received..:** 06/27/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8182275						
Antimony	ND	60.0	ug/L	SW846 6010B	06/30-07/03/08	KQQG41AC
		Dilution Factor: 1		MDL.....: 4.0		
Barium	**17.9 B**	**200**	**ug/L**	**SW846 6010B**	**06/30-07/03/08**	**KQQG41AD**
		Dilution Factor: 1		MDL.....: 0.85		
Beryllium	ND	5.0	ug/L	SW846 6010B	06/30-07/03/08	KQQG41AE
		Dilution Factor: 1		MDL.....: 0.50		
Cadmium	ND	5.0	ug/L	SW846 6010B	06/30-07/03/08	KQQG41AF
		Dilution Factor: 1		MDL.....: 0.45		
Calcium	**27400 C**	**5000**	**ug/L**	**SW846 6010B**	**06/30-07/03/08**	**KQQG41AG**
		Dilution Factor: 1		MDL.....: 18.6		
Chromium	ND	10.0	ug/L	SW846 6010B	06/30-07/03/08	KQQG41AH
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	06/30-07/03/08	KQQG41AJ
		Dilution Factor: 1		MDL.....: 4.0		
Copper	ND	25.0	ug/L	SW846 6010B	06/30-07/03/08	KQQG41AK
		Dilution Factor: 1		MDL.....: 4.6		
Iron	**40.2 B**	**100**	**ug/L**	**SW846 6010B**	**06/30-07/03/08**	**KQQG41AL**
		Dilution Factor: 1		MDL.....: 16.0		
Magnesium	**8050**	**5000**	**ug/L**	**SW846 6010B**	**06/30-07/03/08**	**KQQG41AM**
		Dilution Factor: 1		MDL.....: 110		
Manganese	ND	15.0	ug/L	SW846 6010B	06/30-07/03/08	KQQG41AN
		Dilution Factor: 1		MDL.....: 0.96		
Nickel	ND	40.0	ug/L	SW846 6010B	06/30-07/03/08	KQQG41AP
		Dilution Factor: 1		MDL.....: 13.3		
Potassium	**5160**	**5000**	**ug/L**	**SW846 6010B**	**06/30-07/02/08**	**KQQG41AQ**
		Dilution Factor: 1		MDL.....: 1650		
Silver	ND	10.0	ug/L	SW846 6010B	06/30-07/03/08	KQQG41AR
		Dilution Factor: 1		MDL.....: 6.0		

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Fluor Hanford Inc

Client Sample ID: B1TX00

TOTAL Metals

Lot-Sample #...: F8F270225-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**14400**	**5000**	**ug/L**	**SW846 6010B**	**06/30-07/02/08**	**KQQG41AT**
		Dilution Factor: 1		MDL.....: 134		
Strontium	**151**	**50.0**	**ug/L**	**SW846 6010B**	**06/30-07/03/08**	**KQQG41AU**
		Dilution Factor: 1		MDL.....: 0.54		
Vanadium	**41.5 B**	**50.0**	**ug/L**	**SW846 6010B**	**06/30-07/03/08**	**KQQG41AV**
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	**6.9 B**	**20.0**	**ug/L**	**SW846 6010B**	**06/30-07/03/08**	**KQQG41AW**
		Dilution Factor: 1		MDL.....: 5.2		
Prep Batch #...: 8182277						
Arsenic	**8.4 B**	**10.0**	**ug/L**	**SW846 6020**	**06/30-07/22/08**	**KQQG41AX**
		Dilution Factor: 1		MDL.....: 1.9		

NOTE(S):

B Estimated result. Result is less than RL.

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: SL741 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: F8F300000-275 **Prep Batch #...:** 8182275						
Antimony	ND	60.0	ug/L	SW846 6010B	06/30-07/03/08	KQVK71CH
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010B	06/30-07/03/08	KQVK71CJ
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	06/30-07/03/08	KQVK71CK
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	06/30-07/03/08	KQVK71CL
		Dilution Factor: 1				
Calcium	**31.6 B**	**5000**	**ug/L**	**SW846 6010B**	**06/30-07/03/08**	**KQVK71CM**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	06/30-07/03/08	KQVK71CN
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010B	06/30-07/03/08	KQVK71CP
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	06/30-07/03/08	KQVK71CQ
		Dilution Factor: 1				
Iron	ND	100	ug/L	SW846 6010B	06/30-07/03/08	KQVK71CR
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010B	06/30-07/03/08	KQVK71CT
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010B	06/30-07/03/08	KQVK71CU
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	06/30-07/03/08	KQVK71CV
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010B	06/30-07/02/08	KQVK71CW
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	06/30-07/03/08	KQVK71CX
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010B	06/30-07/02/08	KQVK71C0
		Dilution Factor: 1				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: SL741 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Strontium	ND	50.0	ug/L	SW846 6010B	06/30-07/03/08	KQVK71C1
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010B	06/30-07/03/08	KQVK71C2
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	06/30-07/03/08	KQVK71C3
		Dilution Factor: 1				

MB Lot-Sample #: F8F300000-277 **Prep Batch #...:** 8182277

Arsenic	ND	10.0	ug/L	SW846 6020	06/30-07/22/08	KQVLJ1AC
		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.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: SL741 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: F8F300000-275 **Prep Batch #...:** 8182275						
Antimony	ND	60.0	ug/L	SW846 6010B	06/30-07/03/08	KQVK71DP
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010B	06/30-07/03/08	KQVK71DQ
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	06/30-07/03/08	KQVK71DR
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	06/30-07/03/08	KQVK71DT
		Dilution Factor: 1				
Calcium	**31.6 B**	**5000**	**ug/L**	**SW846 6010B**	**06/30-07/03/08**	**KQVK71DU**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	06/30-07/03/08	KQVK71DV
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010B	06/30-07/03/08	KQVK71DW
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	06/30-07/03/08	KQVK71DX
		Dilution Factor: 1				
Iron	ND	100	ug/L	SW846 6010B	06/30-07/03/08	KQVK71D0
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010B	06/30-07/03/08	KQVK71D1
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010B	06/30-07/03/08	KQVK71D2
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	06/30-07/03/08	KQVK71D3
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010B	06/30-07/02/08	KQVK71D4
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	06/30-07/03/08	KQVK71D5
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010B	06/30-07/02/08	KQVK71D6
		Dilution Factor: 1				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: SL741 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Strontium	ND	50.0	ug/L	SW846 6010B	06/30-07/03/08	KQVK71D7
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010B	06/30-07/03/08	KQVK71D8
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	06/30-07/03/08	KQVK71D9
		Dilution Factor: 1				

MB Lot-Sample #: F8F300000-277 **Prep Batch #...:** 8182277

Arsenic	ND	10.0	ug/L	SW846 6020	06/30-07/22/08	KQVLJ1AA
		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 #...: SL741 **Matrix.....:** WATER

LCS Lot-Sample#: F8F300000-275 **Prep Batch #...:** 8182275

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	500	511	ug/L	102	SW846 6010B	06/30-07/03/08	KQVK71C4
			Dilution Factor: 1				
Barium	500	508	ug/L	102	SW846 6010B	06/30-07/03/08	KQVK71C5
			Dilution Factor: 1				
Beryllium	500	548	ug/L	110	SW846 6010B	06/30-07/03/08	KQVK71C6
			Dilution Factor: 1				
Cadmium	500	516	ug/L	103	SW846 6010B	06/30-07/03/08	KQVK71C7
			Dilution Factor: 1				
Calcium	10000	10100	ug/L	101	SW846 6010B	06/30-07/03/08	KQVK71C8
			Dilution Factor: 1				
Chromium	500	509	ug/L	102	SW846 6010B	06/30-07/03/08	KQVK71C9
			Dilution Factor: 1				
Cobalt	500	495	ug/L	99	SW846 6010B	06/30-07/03/08	KQVK71DA
			Dilution Factor: 1				
Copper	500	490	ug/L	98	SW846 6010B	06/30-07/03/08	KQVK71DC
			Dilution Factor: 1				
Iron	500	562	ug/L	112	SW846 6010B	06/30-07/03/08	KQVK71DD
			Dilution Factor: 1				
Magnesium	10000	10100	ug/L	101	SW846 6010B	06/30-07/03/08	KQVK71DE
			Dilution Factor: 1				
Manganese	500	508	ug/L	102	SW846 6010B	06/30-07/03/08	KQVK71DF
			Dilution Factor: 1				
Nickel	500	508	ug/L	102	SW846 6010B	06/30-07/03/08	KQVK71DG
			Dilution Factor: 1				
Potassium	10000	10500	ug/L	105	SW846 6010B	06/30-07/02/08	KQVK71DH
			Dilution Factor: 1				
Silver	125	125	ug/L	100	SW846 6010B	06/30-07/03/08	KQVK71DJ
			Dilution Factor: 1				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: SL741 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	10000	10400	ug/L	104	SW846 6010B	06/30-07/02/08	KQVK71DK
			Dilution Factor: 1				
Strontium	500	523	ug/L	105	SW846 6010B	06/30-07/03/08	KQVK71DL
			Dilution Factor: 1				
Vanadium	500	517	ug/L	103	SW846 6010B	06/30-07/03/08	KQVK71DM
			Dilution Factor: 1				
Zinc	500	536	ug/L	107	SW846 6010B	06/30-07/03/08	KQVK71DN
			Dilution Factor: 1				

LCS Lot-Sample#: F8F300000-277 **Prep Batch #...:** 8182277

Arsenic	500	533	ug/L	107	SW846 6020	06/30-07/22/08	KQVLJ1AE
			Dilution Factor: 1				

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL741 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: F8F300000-275 **Prep Batch #...:** 8182275							
Antimony	500	511	ug/L	102	SW846 6010B	06/30-07/03/08	KQVK71EA
			Dilution Factor: 1				
Barium	500	508	ug/L	102	SW846 6010B	06/30-07/03/08	KQVK71EC
			Dilution Factor: 1				
Beryllium	500	548	ug/L	110	SW846 6010B	06/30-07/03/08	KQVK71ED
			Dilution Factor: 1				
Cadmium	500	516	ug/L	103	SW846 6010B	06/30-07/03/08	KQVK71EE
			Dilution Factor: 1				
Calcium	10000	10100	ug/L	101	SW846 6010B	06/30-07/03/08	KQVK71EF
			Dilution Factor: 1				
Chromium	500	509	ug/L	102	SW846 6010B	06/30-07/03/08	KQVK71EG
			Dilution Factor: 1				
Cobalt	500	495	ug/L	99	SW846 6010B	06/30-07/03/08	KQVK71EH
			Dilution Factor: 1				
Copper	500	490	ug/L	98	SW846 6010B	06/30-07/03/08	KQVK71EJ
			Dilution Factor: 1				
Iron	500	562	ug/L	112	SW846 6010B	06/30-07/03/08	KQVK71EK
			Dilution Factor: 1				
Magnesium	10000	10100	ug/L	101	SW846 6010B	06/30-07/03/08	KQVK71EL
			Dilution Factor: 1				
Manganese	500	508	ug/L	102	SW846 6010B	06/30-07/03/08	KQVK71EM
			Dilution Factor: 1				
Nickel	500	508	ug/L	102	SW846 6010B	06/30-07/03/08	KQVK71EN
			Dilution Factor: 1				
Potassium	10000	10500	ug/L	105	SW846 6010B	06/30-07/02/08	KQVK71EP
			Dilution Factor: 1				
Silver	125	125	ug/L	100	SW846 6010B	06/30-07/03/08	KQVK71EQ
			Dilution Factor: 1				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL741 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	10000	10400	ug/L	104	SW846 6010B	06/30-07/02/08	KQVK71ER
			Dilution Factor: 1				
Strontium	500	523	ug/L	105	SW846 6010B	06/30-07/03/08	KQVK71ET
			Dilution Factor: 1				
Vanadium	500	517	ug/L	103	SW846 6010B	06/30-07/03/08	KQVK71EU
			Dilution Factor: 1				
Zinc	500	536	ug/L	107	SW846 6010B	06/30-07/03/08	KQVK71EV
			Dilution Factor: 1				
LCS Lot-Sample#: F8F300000-277 **Prep Batch #...:** 8182277							
Arsenic	500	533	ug/L	107	SW846 6020	06/30-07/22/08	KQVLJ1AD
			Dilution Factor: 1				

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL741 **Matrix.....:** WATER
Date Sampled...: 06/26/08 **Date Received..:** 06/27/08

MS Lot-Sample #: F8F270225-001 **Prep Batch #...:** 8182275

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony									
	ND	250	262	ug/L	105		SW846 6010B	06/30-07/03/08	KQQF91AX
	ND	250	262	ug/L	105	0.33	SW846 6010B	06/30-07/03/08	KQQF91A0
			Dilution Factor: 1						
Barium									
	17.4	1000	1080	ug/L	106		SW846 6010B	06/30-07/03/08	KQQF91A1
	17.4	1000	1060	ug/L	104	1.9	SW846 6010B	06/30-07/03/08	KQQF91A2
			Dilution Factor: 1						
Beryllium									
	ND	25.0	28.5	ug/L	114		SW846 6010B	06/30-07/03/08	KQQF91A3
	ND	25.0	28.0	ug/L	112	1.8	SW846 6010B	06/30-07/03/08	KQQF91A4
			Dilution Factor: 1						
Cadmium									
	ND	25.0	26.0	ug/L	104		SW846 6010B	06/30-07/03/08	KQQF91A5
	ND	25.0	25.8	ug/L	103	0.77	SW846 6010B	06/30-07/03/08	KQQF91A6
			Dilution Factor: 1						
Calcium									
	27900	25000	54800 D	ug/L	107		SW846 6010B	06/30-07/03/08	KQQF91A7
	27900	25000	52900 D	ug/L	100	3.4	SW846 6010B	06/30-07/03/08	KQQF91A8
			Dilution Factor: 2						
Chromium									
	ND	100	105	ug/L	105		SW846 6010B	06/30-07/03/08	KQQF91A9
	ND	100	103	ug/L	103	2.0	SW846 6010B	06/30-07/03/08	KQQF91CA
			Dilution Factor: 1						
Cobalt									
	ND	250	248	ug/L	99		SW846 6010B	06/30-07/03/08	KQQF91CC
	ND	250	243	ug/L	97	2.0	SW846 6010B	06/30-07/03/08	KQQF91CD
			Dilution Factor: 1						
Copper									
	ND	125	126	ug/L	101		SW846 6010B	06/30-07/03/08	KQQF91CE
	ND	125	123	ug/L	99	2.4	SW846 6010B	06/30-07/03/08	KQQF91CF
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL741 **Matrix.....:** WATER
Date Sampled...: 06/26/08 **Date Received..:** 06/27/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron									
	ND	500	568	ug/L	114		SW846 6010B	06/30-07/03/08	KQQF91CG
	ND	500	556	ug/L	111	2.0	SW846 6010B	06/30-07/03/08	KQQF91CH
			Dilution Factor: 1						
Magnesium									
	7890	25000	33800	ug/L	104		SW846 6010B	06/30-07/03/08	KQQF91CJ
	7890	25000	33100	ug/L	101	2.2	SW846 6010B	06/30-07/03/08	KQQF91CK
			Dilution Factor: 1						
Manganese									
	ND	250	265	ug/L	106		SW846 6010B	06/30-07/03/08	KQQF91CL
	ND	250	259	ug/L	104	2.3	SW846 6010B	06/30-07/03/08	KQQF91CM
			Dilution Factor: 1						
Nickel									
	ND	250	254	ug/L	102		SW846 6010B	06/30-07/03/08	KQQF91CN
	ND	250	250	ug/L	100	1.5	SW846 6010B	06/30-07/03/08	KQQF91CP
			Dilution Factor: 1						
Potassium									
	5800	12500	19700	ug/L	111		SW846 6010B	06/30-07/02/08	KQQF91CQ
	5800	12500	17100	ug/L	91	14	SW846 6010B	06/30-07/02/08	KQQF91CR
			Dilution Factor: 1						
Silver									
	ND	25.0	26.0	ug/L	104		SW846 6010B	06/30-07/03/08	KQQF91CT
	ND	25.0	25.6	ug/L	102	1.6	SW846 6010B	06/30-07/03/08	KQQF91CU
			Dilution Factor: 1						
Sodium									
	14400	12500	27100	ug/L	102		SW846 6010B	06/30-07/02/08	KQQF91CV
	14400	12500	27100	ug/L	102	0.11	SW846 6010B	06/30-07/02/08	KQQF91CW
			Dilution Factor: 1						
Strontium									
	154	500	711 D	ug/L	111		SW846 6010B	06/30-07/03/08	KQQF91CX
	154	500	695 D	ug/L	108	2.3	SW846 6010B	06/30-07/03/08	KQQF91C0
			Dilution Factor: 2						
Vanadium									
	39.2	250	304	ug/L	106		SW846 6010B	06/30-07/03/08	KQQF91C1
	39.2	250	297	ug/L	103	2.2	SW846 6010B	06/30-07/03/08	KQQF91C2
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL741 **Matrix.....:** WATER
Date Sampled...: 06/26/08 **Date Received..:** 06/27/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	ND	250	281	ug/L	112		SW846 6010B	06/30-07/03/08	KQQF91C3
	ND	250	276	ug/L	110	1.8	SW846 6010B	06/30-07/03/08	KQQF91C4

Dilution Factor: 1

MS Lot-Sample #: F8F270225-001 **Prep Batch #...:** 8182277

Arsenic									
	10	1000	1030	ug/L	102		SW846 6020	06/30-07/22/08	KQQF91C5
	10	1000	1010	ug/L	100	2.0	SW846 6020	06/30-07/22/08	KQQF91C6

Dilution Factor: 1

NOTE(S):

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

D Result was obtained from the analysis of a dilution.

WET CHEMISTRY

Fluor Hanford Inc

Client Sample ID: B1VP55

General Chemistry

Lot-Sample #...: F8F170141-001 **Work Order #...:** KP22K **Matrix.....:** WATER
Date Sampled...: 06/11/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	**3.5 B**	**5.0**	**ug/L**	**SW846 9020B**	**07/08/08**	**8191158**

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

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1VP56

General Chemistry

Lot-Sample #...: F8F170141-002 **Work Order #...:** KP220 **Matrix.....:** WATER
Date Sampled...: 06/11/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/08/08	8191158

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

Fluor Hanford Inc

Client Sample ID: B1VP57

General Chemistry

Lot-Sample #...: F8F170141-003 **Work Order #...:** KP221 **Matrix.....:** WATER
Date Sampled...: 06/11/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/08/08	8191158

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

Fluor Hanford Inc

Client Sample ID: B1VP58

General Chemistry

Lot-Sample #...: F8F170141-004 **Work Order #...:** KP222 **Matrix.....:** WATER
Date Sampled...: 06/11/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/08/08	8191158

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

Fluor Hanford Inc

Client Sample ID: B1VNW2

General Chemistry

Lot-Sample #...: F8F170141-005 **Work Order #...:** KP227 **Matrix.....:** WATER
Date Sampled...: 06/11/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/08/08	8191158

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

Fluor Hanford Inc

Client Sample ID: B1VNW4

General Chemistry

Lot-Sample #...: F8F170141-007 **Work Order #...:** KP23D **Matrix.....:** WATER
Date Sampled...: 06/11/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/08/08	8191158

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

Fluor Hanford Inc

Client Sample ID: B1VN90

General Chemistry

Lot-Sample #...: F8F170141-009 **Work Order #...:** KP23G **Matrix.....:** WATER
Date Sampled...: 06/12/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/08-07/10/08	8191226

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

Fluor Hanford Inc

Client Sample ID: B1VN91

General Chemistry

Lot-Sample #...: F8F170141-010 **Work Order #...:** KP23J **Matrix.....:** WATER
Date Sampled...: 06/12/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/08-07/10/08	8191226

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

Fluor Hanford Inc

Client Sample ID: B1VN92

General Chemistry

Lot-Sample #...: F8F170141-011 **Work Order #...:** KP23K **Matrix.....:** WATER
Date Sampled...: 06/12/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/08-07/10/08	8191226

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

Fluor Hanford Inc

Client Sample ID: B1VN93

General Chemistry

Lot-Sample #...: F8F170141-012 **Work Order #...:** KP23M **Matrix.....:** WATER
Date Sampled...: 06/12/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/08-07/10/08	8191226

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

Fluor Hanford Inc

Client Sample ID: B1VN76

General Chemistry

Lot-Sample #...: F8F170141-013 **Work Order #...:** KP23N **Matrix.....:** WATER
Date Sampled...: 06/12/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/08-07/10/08	8191226

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

Fluor Hanford Inc

Client Sample ID: B1VN77

General Chemistry

Lot-Sample #...: F8F170141-014 **Work Order #...:** KP23T **Matrix.....:** WATER
Date Sampled...: 06/12/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/08-07/10/08	8191226

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

Fluor Hanford Inc

Client Sample ID: B1VN78

General Chemistry

Lot-Sample #...: F8F170141-015 **Work Order #...:** KP23W **Matrix.....:** WATER
Date Sampled...: 06/12/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/08-07/11/08	8191226

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

Fluor Hanford Inc

Client Sample ID: B1VN79

General Chemistry

Lot-Sample #...: F8F170141-016 **Work Order #...:** KP23X **Matrix.....:** WATER
Date Sampled...: 06/12/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/08-07/11/08	8191226

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

Fluor Hanford Inc

Client Sample ID: B1VP23

General Chemistry

Lot-Sample #...: F8F170141-017 **Work Order #...:** KP230 **Matrix.....:** WATER
Date Sampled...: 06/11/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/08/08	8191158

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

Fluor Hanford Inc

Client Sample ID: B1VP24

General Chemistry

Lot-Sample #...: F8F170141-018 **Work Order #...:** KP231 **Matrix.....:** WATER
Date Sampled...: 06/11/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/08/08	8191158

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

Fluor Hanford Inc

Client Sample ID: B1VP25

General Chemistry

Lot-Sample #...: F8F170141-019 **Work Order #...:** KP233 **Matrix.....:** WATER
Date Sampled...: 06/11/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/08/08	8191158

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

Fluor Hanford Inc

Client Sample ID: B1VP26

General Chemistry

Lot-Sample #...: F8F170141-020 **Work Order #...:** KP234 **Matrix.....:** WATER
Date Sampled...: 06/11/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/08/08	8191158

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

Fluor Hanford Inc

Client Sample ID: B1VP87

General Chemistry

Lot-Sample #...: F8F170141-021 **Work Order #...:** KP235 **Matrix.....:** WATER
Date Sampled...: 06/11/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	07/09/08	8193191
		Dilution Factor: 1		MDL.....: 0.20		
TOX	ND	5.0	ug/L	SW846 9020B	07/08-07/10/08	8191226
		Dilution Factor: 1		MDL.....: 3.5		

Fluor Hanford Inc

Client Sample ID: B1VP88

General Chemistry

Lot-Sample #...: F8F170141-022 **Work Order #...:** KP236 **Matrix.....:** WATER
Date Sampled...: 06/11/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	07/09/08	8193191
		Dilution Factor: 1		MDL.....: 0.20		
TOX	ND	5.0	ug/L	SW846 9020B	07/08/08	8191158
		Dilution Factor: 1		MDL.....: 3.5		

Fluor Hanford Inc

Client Sample ID: B1VP89

General Chemistry

Lot-Sample #...: F8F170141-023 **Work Order #...:** KP237 **Matrix.....:** WATER
Date Sampled...: 06/11/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	07/09/08	8193191
		Dilution Factor: 1		MDL.....: 0.20		
TOX	ND	5.0	ug/L	SW846 9020B	07/08/08	8191158
		Dilution Factor: 1		MDL.....: 3.5		

Fluor Hanford Inc

Client Sample ID: B1VP90

General Chemistry

Lot-Sample #...: F8F170141-024 **Work Order #...:** KP238 **Matrix.....:** WATER
Date Sampled...: 06/11/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**0.33 B**	**1.0**	**mg/L**	**SW846 9060**	**07/10/08**	**8193191**
		Dilution Factor: 1		MDL.....: 0.20		
TOX	ND	5.0	ug/L	SW846 9020B	07/08/08	8191158
		Dilution Factor: 1		MDL.....: 3.5		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1VP39

General Chemistry

Lot-Sample #...: F8F170141-025 **Work Order #...:** KP24A **Matrix.....:** WATER
Date Sampled...: 06/11/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/08/08	8191158

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

Fluor Hanford Inc

Client Sample ID: B1VP40

General Chemistry

Lot-Sample #...: F8F170141-026 **Work Order #...:** KP24D **Matrix.....:** WATER
Date Sampled...: 06/11/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/08/08	8191158

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

Fluor Hanford Inc

Client Sample ID: B1VP41

General Chemistry

Lot-Sample #...: F8F170141-027 **Work Order #...:** KP24E **Matrix.....:** WATER
Date Sampled...: 06/11/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/08/08	8191158

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

Fluor Hanford Inc

Client Sample ID: B1VP42

General Chemistry

Lot-Sample #...: F8F170141-028 **Work Order #...:** KP24F **Matrix.....:** WATER
Date Sampled...: 06/11/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/08/08	8191158

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

Fluor Hanford Inc

Client Sample ID: B1VP71

General Chemistry

Lot-Sample #...: F8F170141-029 **Work Order #...:** KP24G **Matrix.....:** WATER
Date Sampled...: 06/11/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/08/08	8191158

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

Fluor Hanford Inc

Client Sample ID: B1VP72

General Chemistry

Lot-Sample #...: F8F170141-030 **Work Order #...:** KP24K **Matrix.....:** WATER
Date Sampled...: 06/11/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/08/08	8191158

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

Fluor Hanford Inc

Client Sample ID: B1VP73

General Chemistry

Lot-Sample #...: F8F170141-031 **Work Order #...:** KP24L **Matrix.....:** WATER
Date Sampled...: 06/11/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/08/08	8191158

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

Fluor Hanford Inc

Client Sample ID: B1VP74

General Chemistry

Lot-Sample #...: F8F170141-032 **Work Order #...:** KP24M **Matrix.....:** WATER
Date Sampled...: 06/11/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/08-07/10/08	8191226

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

Fluor Hanford Inc

Client Sample ID: B1VNX8

General Chemistry

Lot-Sample #...: F8F170141-033 **Work Order #...:** KP24Q **Matrix.....:** WATER
Date Sampled...: 06/11/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/08-07/10/08	8191226

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

Fluor Hanford Inc

Client Sample ID: B1VNX9

General Chemistry

Lot-Sample #...: F8F170141-034 **Work Order #...:** KP24X **Matrix.....:** WATER
Date Sampled...: 06/11/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/08-07/10/08	8191226

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

Fluor Hanford Inc

Client Sample ID: B1VNY0

General Chemistry

Lot-Sample #...: F8F170141-035 **Work Order #...:** KP242 **Matrix.....:** WATER
Date Sampled...: 06/11/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/08-07/10/08	8191226

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

Fluor Hanford Inc

Client Sample ID: B1VNY1

General Chemistry

Lot-Sample #...: F8F170141-036 **Work Order #...:** KP243 **Matrix.....:** WATER
Date Sampled...: 06/11/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/08-07/10/08	8191226

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

Fluor Hanford Inc

Client Sample ID: B1VP03

General Chemistry

Lot-Sample #...: F8F170141-037 **Work Order #...:** KP246 **Matrix.....:** WATER
Date Sampled...: 06/11/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	07/10/08	8193191
		Dilution Factor: 1		MDL.....: 0.20		
TOX	ND	5.0	ug/L	SW846 9020B	07/08-07/10/08	8191226
		Dilution Factor: 1		MDL.....: 3.5		

Fluor Hanford Inc

Client Sample ID: B1VP04

General Chemistry

Lot-Sample #...: F8F170141-038 **Work Order #...:** KP25A **Matrix.....:** WATER
Date Sampled...: 06/11/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**0.33 B**	**1.0**	**mg/L**	**SW846 9060**	**07/10/08**	**8193191**
		Dilution Factor: 1		MDL.....: 0.20		
TOX	ND	5.0	ug/L	SW846 9020B	07/08-07/10/08	8191226
		Dilution Factor: 1		MDL.....: 3.5		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1VP05

General Chemistry

Lot-Sample #...: F8F170141-039 **Work Order #...:** KP25E **Matrix.....:** WATER
Date Sampled...: 06/11/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**0.41 B**	**1.0**	**mg/L**	**SW846 9060**	**07/10/08**	**8193191**
		Dilution Factor: 1		MDL.....: 0.20		
TOX	ND	5.0	ug/L	SW846 9020B	07/08-07/10/08	8191226
		Dilution Factor: 1		MDL.....: 3.5		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1VP06

General Chemistry

Lot-Sample #...: F8F170141-040 **Work Order #...:** KP25P **Matrix.....:** WATER
Date Sampled...: 06/11/08 **Date Received..:** 06/17/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**0.43 B**	**1.0**	**mg/L**	**SW846 9060**	**07/10/08**	**8193191**
		Dilution Factor: 1		MDL.....: 0.20		
TOX	ND	5.0	ug/L	SW846 9020B	07/08-07/10/08	8191226
		Dilution Factor: 1		MDL.....: 3.5		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1VN01

General Chemistry

Lot-Sample #...: F8F240141-001 **Work Order #...:** KQGD4 **Matrix.....:** WATER
Date Sampled...: 06/22/08 **Date Received..:** 06/24/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/11/08	8191227

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

Fluor Hanford Inc

Client Sample ID: B1VN02

General Chemistry

Lot-Sample #...: F8F240141-002 **Work Order #...:** KQGEP **Matrix.....:** WATER
Date Sampled...: 06/22/08 **Date Received..:** 06/24/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/11/08	8191227

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

Fluor Hanford Inc

Client Sample ID: B1VN03

General Chemistry

Lot-Sample #...: F8F240141-003 **Work Order #...:** KQGER **Matrix.....:** WATER
Date Sampled...: 06/22/08 **Date Received..:** 06/24/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/11/08	8191227

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

Fluor Hanford Inc

Client Sample ID: B1VN04

General Chemistry

Lot-Sample #...: F8F240141-004 **Work Order #...:** KQGET **Matrix.....:** WATER
Date Sampled...: 06/22/08 **Date Received..:** 06/24/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/11/08	8191227

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

Fluor Hanford Inc

Client Sample ID: B1VMP0

General Chemistry

Lot-Sample #...: F8F240141-005 **Work Order #...:** KQGE0 **Matrix.....:** WATER
Date Sampled...: 06/22/08 **Date Received..:** 06/24/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/11/08	8191227

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

Fluor Hanford Inc

Client Sample ID: B1VMP1

General Chemistry

Lot-Sample #...: F8F240141-006 **Work Order #...:** KQGE1 **Matrix.....:** WATER
Date Sampled...: 06/22/08 **Date Received..:** 06/24/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/11/08	8191227

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

Fluor Hanford Inc

Client Sample ID: B1VMP2

General Chemistry

Lot-Sample #...: F8F240141-007 **Work Order #...:** KQGE2 **Matrix.....:** WATER
Date Sampled...: 06/22/08 **Date Received..:** 06/24/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/11/08	8191227

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

Fluor Hanford Inc

Client Sample ID: B1VMP3

General Chemistry

Lot-Sample #...: F8F240141-008 **Work Order #...:** KQGE4 **Matrix.....:** WATER
Date Sampled...: 06/22/08 **Date Received..:** 06/24/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/11/08	8191227

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

Fluor Hanford Inc

Client Sample ID: B1VMV0

General Chemistry

Lot-Sample #...: F8F240141-009 **Work Order #...:** KQGE5 **Matrix.....:** WATER
Date Sampled...: 06/22/08 **Date Received..:** 06/24/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/11/08	8191227

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

Fluor Hanford Inc

Client Sample ID: B1VMV1

General Chemistry

Lot-Sample #...: F8F240141-010 **Work Order #...:** KQGE7 **Matrix.....:** WATER
Date Sampled...: 06/22/08 **Date Received..:** 06/24/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/11/08	8191227

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

Fluor Hanford Inc

Client Sample ID: B1VMV2

General Chemistry

Lot-Sample #...: F8F240141-011 **Work Order #...:** KQGE8 **Matrix.....:** WATER
Date Sampled...: 06/22/08 **Date Received..:** 06/24/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/11/08	8191227

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

Fluor Hanford Inc

Client Sample ID: B1VMV3

General Chemistry

Lot-Sample #...: F8F240141-012 **Work Order #...:** KQGFA **Matrix.....:** WATER
Date Sampled...: 06/22/08 **Date Received..:** 06/24/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/11/08	8191227

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

Fluor Hanford Inc

Client Sample ID: B1VMW5

General Chemistry

Lot-Sample #...: F8F240141-013 **Work Order #...:** KQGFD **Matrix.....:** WATER
Date Sampled...: 06/22/08 **Date Received..:** 06/24/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/11/08	8191227

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

Fluor Hanford Inc

Client Sample ID: B1VMW6

General Chemistry

Lot-Sample #...: F8F240141-014 **Work Order #...:** KQGFF **Matrix.....:** WATER
Date Sampled...: 06/22/08 **Date Received..:** 06/24/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/11/08	8191227

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

Fluor Hanford Inc

Client Sample ID: B1VMW7

General Chemistry

Lot-Sample #...: F8F240141-015 **Work Order #...:** KQGFH **Matrix.....:** WATER
Date Sampled...: 06/22/08 **Date Received..:** 06/24/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/11/08	8191227

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

Fluor Hanford Inc

Client Sample ID: B1VMW8

General Chemistry

Lot-Sample #...: F8F240141-016 **Work Order #...:** KQGFJ **Matrix.....:** WATER
Date Sampled...: 06/22/08 **Date Received..:** 06/24/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/11/08	8191227

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

Fluor Hanford Inc

Client Sample ID: B1VN16

General Chemistry

Lot-Sample #...: F8F240141-017 **Work Order #...:** KQGFM **Matrix.....:** WATER
Date Sampled...: 06/22/08 **Date Received..:** 06/24/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/11/08	8191227

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

Fluor Hanford Inc

Client Sample ID: B1VN17

General Chemistry

Lot-Sample #...: F8F240141-018 **Work Order #...:** KQGFT **Matrix.....:** WATER
Date Sampled...: 06/22/08 **Date Received..:** 06/24/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/11-07/12/08	8191227

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

Fluor Hanford Inc

Client Sample ID: B1VN18

General Chemistry

Lot-Sample #...: F8F240141-019 **Work Order #...:** KQGFW **Matrix.....:** WATER
Date Sampled...: 06/22/08 **Date Received..:** 06/24/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/11-07/12/08	8191227

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

Fluor Hanford Inc

Client Sample ID: B1VN19

General Chemistry

Lot-Sample #...: F8F240141-020 **Work Order #...:** KQGF0 **Matrix.....:** WATER
Date Sampled...: 06/22/08 **Date Received..:** 06/24/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/11-07/12/08	8191227

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

Fluor Hanford Inc

Client Sample ID: B1VN61

General Chemistry

Lot-Sample #...: F8F240141-021 **Work Order #...:** KQGF2 **Matrix.....:** WATER
Date Sampled...: 06/22/08 **Date Received..:** 06/24/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	07/10/08	8193191
		Dilution Factor: 1		MDL.....: 0.20		
TOX	ND	5.0	ug/L	SW846 9020B	07/15/08	8194047
		Dilution Factor: 1		MDL.....: 3.5		

Fluor Hanford Inc

Client Sample ID: B1VN62

General Chemistry

Lot-Sample #...: F8F240141-022 **Work Order #...:** KQGF6 **Matrix.....:** WATER
Date Sampled...: 06/22/08 **Date Received..:** 06/24/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	07/10/08	8193191
		Dilution Factor: 1		MDL.....: 0.20		
TOX	ND	5.0	ug/L	SW846 9020B	07/15/08	8194047
		Dilution Factor: 1		MDL.....: 3.5		

Fluor Hanford Inc

Client Sample ID: B1VN63

General Chemistry

Lot-Sample #...: F8F240141-023 **Work Order #...:** KQGF9 **Matrix.....:** WATER
Date Sampled...: 06/22/08 **Date Received..:** 06/24/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	07/10/08	8193191
		Dilution Factor: 1		MDL.....: 0.20		
TOX	ND	5.0	ug/L	SW846 9020B	07/15/08	8194047
		Dilution Factor: 1		MDL.....: 3.5		

Fluor Hanford Inc

Client Sample ID: B1VN64

General Chemistry

Lot-Sample #...: F8F240141-024 **Work Order #...:** KQGGC **Matrix.....:** WATER
Date Sampled...: 06/22/08 **Date Received..:** 06/24/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	07/10/08	8193191
		Dilution Factor: 1		MDL.....: 0.20		
TOX	ND	5.0	ug/L	SW846 9020B	07/15/08	8194047
		Dilution Factor: 1		MDL.....: 3.5		

Fluor Hanford Inc

Client Sample ID: B1VKW1

General Chemistry

Lot-Sample #...: F8F240154-001 **Work Order #...:** KQGH2 **Matrix.....:** WATER
Date Sampled...: 06/23/08 **Date Received..:** 06/24/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phenol	ND	50.0	ug/L	MCAWW 420.2	07/09-07/11/08	8192451
		Dilution Factor: 1		MDL.....: 14.0		
Total Sulfide	ND	1.0	mg/L	SW846 9030	06/30/08	8182011
		Dilution Factor: 1		MDL.....: 0.18		
TOX	**7.6**	**5.0**	**ug/L**	**SW846 9020B**	**07/16/08**	**8198318**
		Dilution Factor: 1		MDL.....: 3.5		

Fluor Hanford Inc

Client Sample ID: B1VR04

General Chemistry

Lot-Sample #...: F8F260239-001 **Work Order #...:** KQMRH **Matrix.....:** WATER
Date Sampled...: 06/24/08 **Date Received..:** 06/26/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	**7.4**	**5.0**	**ug/L**	**SW846 9020B**	**07/15/08**	**8194047**

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

Fluor Hanford Inc

Client Sample ID: B1VR05

General Chemistry

Lot-Sample #...: F8F260239-002 **Work Order #...:** KQMRK **Matrix.....:** WATER
Date Sampled...: 06/24/08 **Date Received..:** 06/26/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	**7.1**	**5.0**	**ug/L**	**SW846 9020B**	**07/15/08**	**8194047**

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

Fluor Hanford Inc

Client Sample ID: B1VR06

General Chemistry

Lot-Sample #...: F8F260239-003 **Work Order #...:** KQMRL **Matrix.....:** WATER
Date Sampled...: 06/24/08 **Date Received..:** 06/26/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	**5.8**	**5.0**	**ug/L**	**SW846 9020B**	**07/15/08**	**8194047**

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

Fluor Hanford Inc

Client Sample ID: B1VR07

General Chemistry

Lot-Sample #...: F8F260239-004 **Work Order #...:** KQMRM **Matrix.....:** WATER
Date Sampled...: 06/24/08 **Date Received..:** 06/26/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	**8.1**	**5.0**	**ug/L**	**SW846 9020B**	**07/15/08**	**8194047**

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

Fluor Hanford Inc

Client Sample ID: B1VPY0

General Chemistry

Lot-Sample #...: F8F260239-005 **Work Order #...:** KQMRQ **Matrix.....:** WATER
Date Sampled...: 06/24/08 **Date Received..:** 06/26/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	4.0 B	5.0	ug/L	SW846 9020B	07/15/08	8194047

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

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1VPY1

General Chemistry

Lot-Sample #...: F8F260239-006 **Work Order #...:** KQMRW **Matrix.....:** WATER
Date Sampled...: 06/24/08 **Date Received..:** 06/26/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	4.7 B	5.0	ug/L	SW846 9020B	07/15/08	8194047

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

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1VPY2

General Chemistry

Lot-Sample #...: F8F260239-007 **Work Order #...:** KQMR0 **Matrix.....:** WATER
Date Sampled...: 06/24/08 **Date Received..:** 06/26/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	**3.7 B**	**5.0**	**ug/L**	**SW846 9020B**	**07/15/08**	**8194047**

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

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1VPY3

General Chemistry

Lot-Sample #...: F8F260239-008 **Work Order #...:** KQMR2 **Matrix.....:** WATER
Date Sampled...: 06/24/08 **Date Received..:** 06/26/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/15/08	8194047

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

Fluor Hanford Inc

Client Sample ID: B1VPW8

General Chemistry

Lot-Sample #...: F8F260239-009 **Work Order #...:** KQMR5 **Matrix.....:** WATER
Date Sampled...: 06/24/08 **Date Received..:** 06/26/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/15/08	8194047

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

Fluor Hanford Inc

Client Sample ID: B1VPW9

General Chemistry

Lot-Sample #...: F8F260239-010 **Work Order #...:** KQMTL **Matrix.....:** WATER
Date Sampled...: 06/24/08 **Date Received..:** 06/26/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/15/08	8194047

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

Fluor Hanford Inc

Client Sample ID: B1VPX0

General Chemistry

Lot-Sample #...: F8F260239-011 **Work Order #...:** KQMTP **Matrix.....:** WATER
Date Sampled...: 06/24/08 **Date Received..:** 06/26/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/15/08	8194047

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

Fluor Hanford Inc

Client Sample ID: B1VPX1

General Chemistry

Lot-Sample #...: F8F260239-012 **Work Order #...:** KQMTR **Matrix.....:** WATER
Date Sampled...: 06/24/08 **Date Received..:** 06/26/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/15/08	8194047

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

Fluor Hanford Inc

Client Sample ID: B1VPV6

General Chemistry

Lot-Sample #...: F8F260239-013 **Work Order #...:** KQMT2 **Matrix.....:** WATER
Date Sampled...: 06/24/08 **Date Received..:** 06/26/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/15/08	8194047

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

Fluor Hanford Inc

Client Sample ID: B1VPV7

General Chemistry

Lot-Sample #...: F8F260239-014 **Work Order #...:** KQMT6 **Matrix.....:** WATER
Date Sampled...: 06/24/08 **Date Received..:** 06/26/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/15-07/16/08	8194047

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

Fluor Hanford Inc

Client Sample ID: B1VPV8

General Chemistry

Lot-Sample #...: F8F260239-015 **Work Order #...:** KQMT7 **Matrix.....:** WATER
Date Sampled...: 06/24/08 **Date Received..:** 06/26/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/15-07/16/08	8194047

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

Fluor Hanford Inc

Client Sample ID: B1VPV9

General Chemistry

Lot-Sample #...: F8F260239-016 **Work Order #...:** KQMT9 **Matrix.....:** WATER
Date Sampled...: 06/24/08 **Date Received..:** 06/26/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/15-07/16/08	8194047

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

Fluor Hanford Inc

Client Sample ID: B1VNP6

General Chemistry

Lot-Sample #...: F8F270237-001 **Work Order #...:** KQQJH **Matrix.....:** WATER
Date Sampled...: 06/26/08 **Date Received..:** 06/27/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/16/08	8198318

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

Fluor Hanford Inc

Client Sample ID: B1VNP7

General Chemistry

Lot-Sample #...: F8F270237-002 **Work Order #...:** KQQJJ **Matrix.....:** WATER
Date Sampled...: 06/26/08 **Date Received..:** 06/27/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/16/08	8198318

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

Fluor Hanford Inc

Client Sample ID: B1VNP8

General Chemistry

Lot-Sample #...: F8F270237-003 **Work Order #...:** KQQJM **Matrix.....:** WATER
Date Sampled...: 06/26/08 **Date Received..:** 06/27/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/16/08	8198318

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

Fluor Hanford Inc

Client Sample ID: B1VPF0

General Chemistry

Lot-Sample #...: F8F270237-004 **Work Order #...:** KQQJN **Matrix.....:** WATER
Date Sampled...: 06/26/08 **Date Received..:** 06/27/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	**8.4**	**5.0**	**ug/L**	**SW846 9020B**	**07/16/08**	**8198318**

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

Fluor Hanford Inc

Client Sample ID: B1VPF1

General Chemistry

Lot-Sample #...: F8F270237-005 **Work Order #...:** KQQKM **Matrix.....:** WATER
Date Sampled...: 06/26/08 **Date Received..:** 06/27/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	**7.8**	**5.0**	**ug/L**	**SW846 9020B**	**07/16/08**	**8198318**

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

Fluor Hanford Inc

Client Sample ID: B1VPF2

General Chemistry

Lot-Sample #...: F8F270237-006 **Work Order #...:** KQQKP **Matrix.....:** WATER
Date Sampled...: 06/26/08 **Date Received..:** 06/27/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	**8.4**	**5.0**	**ug/L**	**SW846 9020B**	**07/16/08**	**8198318**

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

Fluor Hanford Inc

Client Sample ID: B1VNN1

General Chemistry

Lot-Sample #...: F8F270237-007 **Work Order #...:** KQQKQ **Matrix.....:** WATER
Date Sampled...: 06/26/08 **Date Received..:** 06/27/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/16/08	8198318

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

Fluor Hanford Inc

Client Sample ID: B1VNN2

General Chemistry

Lot-Sample #...: F8F270237-008 **Work Order #...:** KQQME **Matrix.....:** WATER
Date Sampled...: 06/26/08 **Date Received..:** 06/27/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/16/08	8198318

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

Fluor Hanford Inc

Client Sample ID: B1VNN3

General Chemistry

Lot-Sample #...: F8F270237-009 **Work Order #...:** KQQMG **Matrix.....:** WATER
Date Sampled...: 06/26/08 **Date Received..:** 06/27/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/16/08	8198318

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

Fluor Hanford Inc

Client Sample ID: B1VNN4

General Chemistry

Lot-Sample #...: F8F270237-010 **Work Order #...:** KQQMH **Matrix.....:** WATER
Date Sampled...: 06/26/08 **Date Received..:** 06/27/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/16/08	8198318

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

Fluor Hanford Inc

Client Sample ID: B1VPH4

General Chemistry

Lot-Sample #...: F8F270237-011 **Work Order #...:** KQQMK **Matrix.....:** WATER
Date Sampled...: 06/26/08 **Date Received..:** 06/27/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	**5.7**	**5.0**	**ug/L**	**SW846 9020B**	**07/16/08**	**8198318**

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

Fluor Hanford Inc

Client Sample ID: B1VPH5

General Chemistry

Lot-Sample #...: F8F270237-012 **Work Order #...:** KQQMM **Matrix.....:** WATER
Date Sampled...: 06/26/08 **Date Received..:** 06/27/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	**6.0**	**5.0**	**ug/L**	**SW846 9020B**	**07/16/08**	**8198318**

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

Fluor Hanford Inc

Client Sample ID: B1VPH6

General Chemistry

Lot-Sample #...: F8F270237-013 **Work Order #...:** KQQMP **Matrix.....:** WATER
Date Sampled...: 06/26/08 **Date Received..:** 06/27/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	**3.5 B**	**5.0**	**ug/L**	**SW846 9020B**	**07/16/08**	**8198318**

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

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1VPH7

General Chemistry

Lot-Sample #...: F8F270237-014 **Work Order #...:** KQQMQ **Matrix.....:** WATER
Date Sampled...: 06/26/08 **Date Received..:** 06/27/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	5.6	5.0	ug/L	SW846 9020B	07/16/08	8198318

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

Fluor Hanford Inc

Client Sample ID: B1VPM1

General Chemistry

Lot-Sample #...: F8F270237-015 **Work Order #...:** KQQMX **Matrix.....:** WATER
Date Sampled...: 06/26/08 **Date Received..:** 06/27/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**0.23 B**	**1.0**	**mg/L**	**SW846 9060**	**07/10/08**	**8193191**
		Dilution Factor: 1		MDL.....: 0.20		
TOX	**7.8**	**5.0**	**ug/L**	**SW846 9020B**	**07/16/08**	**8198318**
		Dilution Factor: 1		MDL.....: 3.5		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1VPM2

General Chemistry

Lot-Sample #...: F8F270237-016 **Work Order #...:** KQQM2 **Matrix.....:** WATER
Date Sampled...: 06/26/08 **Date Received..:** 06/27/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**0.25 B**	**1.0**	**mg/L**	**SW846 9060**	**07/10/08**	**8193191**
		Dilution Factor: 1		MDL.....: 0.20		
TOX	**7.8**	**5.0**	**ug/L**	**SW846 9020B**	**07/16/08**	**8198318**
		Dilution Factor: 1		MDL.....: 3.5		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1VPM3

General Chemistry

Lot-Sample #...: F8F270237-017 **Work Order #...:** KQQM3 **Matrix.....:** WATER
Date Sampled...: 06/26/08 **Date Received..:** 06/27/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**0.32 B**	**1.0**	**mg/L**	**SW846 9060**	**07/10/08**	**8193191**
		Dilution Factor: 1		MDL.....: 0.20		
TOX	**7.8**	**5.0**	**ug/L**	**SW846 9020B**	**07/16-07/17/08**	**8198318**
		Dilution Factor: 1		MDL.....: 3.5		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1VPM4

General Chemistry

Lot-Sample #...: F8F270237-018 **Work Order #...:** KQQM4 **Matrix.....:** WATER
Date Sampled...: 06/26/08 **Date Received..:** 06/27/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	07/10/08	8193191
		Dilution Factor: 1		MDL.....: 0.20		
TOX	**7.0**	**5.0**	**ug/L**	**SW846 9020B**	**07/16-07/17/08**	**8198318**
		Dilution Factor: 1		MDL.....: 3.5		

Fluor Hanford Inc

Client Sample ID: B1VNB5

General Chemistry

Lot-Sample #...: F8F280173-001 **Work Order #...:** KQTHT **Matrix.....:** WATER
Date Sampled...: 06/27/08 **Date Received..:** 06/28/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	**6.0**	**5.0**	**ug/L**	**SW846 9020B**	**07/17/08**	**8199446**

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

Fluor Hanford Inc

Client Sample ID: B1VNB6

General Chemistry

Lot-Sample #...: F8F280173-002 **Work Order #...:** KQTHV **Matrix.....:** WATER
Date Sampled...: 06/27/08 **Date Received..:** 06/28/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	**5.9**	**5.0**	**ug/L**	**SW846 9020B**	**07/17/08**	**8199446**

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

Fluor Hanford Inc

Client Sample ID: B1VNB7

General Chemistry

Lot-Sample #...: F8F280173-003 **Work Order #...:** KQTHW **Matrix.....:** WATER
Date Sampled...: 06/27/08 **Date Received..:** 06/28/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/17/08	8199446

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

Fluor Hanford Inc

Client Sample ID: B1VNB8

General Chemistry

Lot-Sample #...: F8F280173-004 **Work Order #...:** KQTHX **Matrix.....:** WATER
Date Sampled...: 06/27/08 **Date Received..:** 06/28/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/17/08	8199446

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

Fluor Hanford Inc

Client Sample ID: B1VND0

General Chemistry

Lot-Sample #...: F8F280173-005 **Work Order #...:** KQTH0 **Matrix.....:** WATER
Date Sampled...: 06/27/08 **Date Received..:** 06/28/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	**4.6 B**	**5.0**	**ug/L**	**SW846 9020B**	**07/17/08**	**8199446**

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

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1VND1

General Chemistry

Lot-Sample #...: F8F280173-006 **Work Order #...:** KQTH1 **Matrix.....:** WATER
Date Sampled...: 06/27/08 **Date Received..:** 06/28/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	**3.7 B**	**5.0**	**ug/L**	**SW846 9020B**	**07/17/08**	**8199446**

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

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1VND2

General Chemistry

Lot-Sample #...: F8F280173-007 **Work Order #...:** KQTH2 **Matrix.....:** WATER
Date Sampled...: 06/27/08 **Date Received..:** 06/28/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	**4.2 B**	**5.0**	**ug/L**	**SW846 9020B**	**07/17/08**	**8199446**

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

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1VND3

General Chemistry

Lot-Sample #...: F8F280173-008 **Work Order #...:** KQTH3 **Matrix.....:** WATER
Date Sampled...: 06/27/08 **Date Received..:** 06/28/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	**6.2**	**5.0**	**ug/L**	**SW846 9020B**	**07/17/08**	**8199446**

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

Fluor Hanford Inc

Client Sample ID: B1VNF5

General Chemistry

Lot-Sample #...: F8F280173-009 **Work Order #...:** KQTH4 **Matrix.....:** WATER
Date Sampled...: 06/27/08 **Date Received..:** 06/28/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/17/08	8199446

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

Fluor Hanford Inc

Client Sample ID: B1VNF6

General Chemistry

Lot-Sample #...: F8F280173-010 **Work Order #...:** KQTH5 **Matrix.....:** WATER
Date Sampled...: 06/27/08 **Date Received..:** 06/28/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/17/08	8199446

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

Fluor Hanford Inc

Client Sample ID: B1VNF7

General Chemistry

Lot-Sample #...: F8F280173-011 **Work Order #...:** KQTH6 **Matrix.....:** WATER
Date Sampled...: 06/27/08 **Date Received..:** 06/28/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	**4.2 B**	**5.0**	**ug/L**	**SW846 9020B**	**07/17/08**	**8199446**

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

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1VNF8

General Chemistry

Lot-Sample #...: F8F280173-012 **Work Order #...:** KQTH7 **Matrix.....:** WATER
Date Sampled...: 06/27/08 **Date Received..:** 06/28/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	**4.1 B**	**5.0**	**ug/L**	**SW846 9020B**	**07/17/08**	**8199446**

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

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1VNK5

General Chemistry

Lot-Sample #...: F8F280173-013 **Work Order #...:** KQTH8 **Matrix.....:** WATER
Date Sampled...: 06/27/08 **Date Received..:** 06/28/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	**4.1 B**	**5.0**	**ug/L**	**SW846 9020B**	**07/17/08**	**8199446**

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

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1VNK6

General Chemistry

Lot-Sample #...: F8F280173-014 **Work Order #...:** KQTH9 **Matrix.....:** WATER
Date Sampled...: 06/27/08 **Date Received..:** 06/28/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	**4.7 B**	**5.0**	**ug/L**	**SW846 9020B**	**07/17/08**	**8199446**

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

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1VNK7

General Chemistry

Lot-Sample #...: F8F280173-015 **Work Order #...:** KQTJA **Matrix.....:** WATER
Date Sampled...: 06/27/08 **Date Received..:** 06/28/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/17/08	8199446

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

Fluor Hanford Inc

Client Sample ID: B1VNK8

General Chemistry

Lot-Sample #...: F8F280173-016 **Work Order #...:** KQTJC **Matrix.....:** WATER
Date Sampled...: 06/27/08 **Date Received..:** 06/28/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	07/17/08	8199446

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: SL741 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phenol		Work Order #: KRH381AA		MB Lot-Sample #:	F8G100000-451	
	ND	50.0	ug/L	MCAWW 420.2	07/09-07/11/08	8192451
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: KRDG51AA		MB Lot-Sample #:	F8G110000-191	
	ND	1.0	mg/L	SW846 9060	07/09/08	8193191
		Dilution Factor: 1				
Total Sulfide		Work Order #: KQTXK1AA		MB Lot-Sample #:	F8F300000-011	
	ND	1.0	mg/L	SW846 9030	06/30/08	8182011
		Dilution Factor: 1				
TOX		Work Order #: KQ7761AA		MB Lot-Sample #:	F8G090000-158	
	ND	5.0	ug/L	SW846 9020B	07/08/08	8191158
		Dilution Factor: 1				
TOX		Work Order #: KRDF81AA		MB Lot-Sample #:	F8G090000-226	
	ND	5.0	ug/L	SW846 9020B	07/08-07/10/08	8191226
		Dilution Factor: 1				
TOX		Work Order #: KRFL91AA		MB Lot-Sample #:	F8G090000-227	
	ND	5.0	ug/L	SW846 9020B	07/11/08	8191227
		Dilution Factor: 1				
TOX		Work Order #: KRLR31AA		MB Lot-Sample #:	F8G120000-047	
	ND	5.0	ug/L	SW846 9020B	07/15/08	8194047
		Dilution Factor: 1				
TOX		Work Order #: KRM011AA		MB Lot-Sample #:	F8G160000-318	
	ND	5.0	ug/L	SW846 9020B	07/16/08	8198318
		Dilution Factor: 1				
TOX		Work Order #: KRQTT1AA		MB Lot-Sample #:	F8G170000-446	
	ND	5.0	ug/L	SW846 9020B	07/17/08	8199446
		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 #...: SL741 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		WO#:KRDG51AC-LCS/KRDG51AD-LCSD				LCS Lot-Sample#: F8G110000-191		
	6.00	5.52	mg/L	92		SW846 9060	07/09/08	8193191
	6.00	5.58	mg/L	93	1.0	SW846 9060	07/09/08	8193191

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 #...: SL741 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phenol			Work Order #: KRH381AC		LCS Lot-Sample#: F8G100000-451		
	200	194	ug/L	97	MCAWW 420.2	07/09-07/11/08	8192451
			Dilution Factor: 1				
Total Sulfide			Work Order #: KQTXK1AC		LCS Lot-Sample#: F8F300000-011		
	4.00	4.04 N	mg/L	101	SW846 9030	06/30/08	8182011
			Dilution Factor: 1				
TOX			Work Order #: KQ7761AC		LCS Lot-Sample#: F8G090000-158		
	100	101	ug/L	101	SW846 9020B	07/08/08	8191158
			Dilution Factor: 1				
TOX			Work Order #: KRDF81AC		LCS Lot-Sample#: F8G090000-226		
	100	98.5	ug/L	99	SW846 9020B	07/08-07/10/08	8191226
			Dilution Factor: 1				
TOX			Work Order #: KRFL91AC		LCS Lot-Sample#: F8G090000-227		
	100	100	ug/L	100	SW846 9020B	07/11/08	8191227
			Dilution Factor: 1				
TOX			Work Order #: KRLR31AC		LCS Lot-Sample#: F8G120000-047		
	100	101	ug/L	101	SW846 9020B	07/15/08	8194047
			Dilution Factor: 1				
TOX			Work Order #: KRM011AC		LCS Lot-Sample#: F8G160000-318		
	100	101	ug/L	101	SW846 9020B	07/16/08	8198318
			Dilution Factor: 1				
TOX			Work Order #: KRQTT1AC		LCS Lot-Sample#: F8G170000-446		
	100	101	ug/L	101	SW846 9020B	07/17/08	8199446
			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 #...: SL741 **Matrix.....:** WATER
Date Sampled...: 06/11/08 **Date Received..:** 06/17/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phenol			Work Order #...:		KQGH21AJ		MS Lot-Sample #:	F8F240154-001
	ND	200	181	ug/L	90	MCAWW 420.2	07/09-07/11/08	8192451
			Dilution Factor: 1					
Total Organic Carbon			Work Order #...:		KP2351AD		MS Lot-Sample #:	F8F170141-021
	ND	5.00	5.23	mg/L	105	SW846 9060	07/09/08	8193191
			Dilution Factor: 1					
Total Organic Carbon			Work Order #...:		KQGF21AD		MS Lot-Sample #:	F8F240141-021
	ND	5.00	5.21	mg/L	104	SW846 9060	07/10/08	8193191
			Dilution Factor: 1					
Total Sulfide			Work Order #...:		KQGH21AK		MS Lot-Sample #:	F8F240154-001
	ND	4.00	3.96	mg/L	99	SW846 9030	06/30/08	8182011
			Dilution Factor: 1					
TOX			Work Order #...:		KP22K1AC		MS Lot-Sample #:	F8F170141-001
	3.5	100	101	ug/L	98	SW846 9020B	07/08/08	8191158
			Dilution Factor: 1					
TOX			Work Order #...:		KP23G1AC		MS Lot-Sample #:	F8F170141-009
	ND	100	109	ug/L	109	SW846 9020B	07/08-07/10/08	8191226
			Dilution Factor: 1					
TOX			Work Order #...:		KP2351AE		MS Lot-Sample #:	F8F170141-021
	ND	100	117	ug/L	114	SW846 9020B	07/08-07/10/08	8191226
			Dilution Factor: 1					
TOX			Work Order #...:		KP2361AD		MS Lot-Sample #:	F8F170141-022
	ND	100	99.9	ug/L	100	SW846 9020B	07/08/08	8191158
			Dilution Factor: 1					
TOX			Work Order #...:		KQGD41AC		MS Lot-Sample #:	F8F240141-001
	ND	100	115	ug/L	115	SW846 9020B	07/11/08	8191227
			Dilution Factor: 1					
TOX			Work Order #...:		KQGE81AC		MS Lot-Sample #:	F8F240141-011
	ND	100	98.7	ug/L	99	SW846 9020B	07/11/08	8191227
			Dilution Factor: 1					
TOX			Work Order #...:		KQGF21AE		MS Lot-Sample #:	F8F240141-021
	ND	100	101	ug/L	101	SW846 9020B	07/15/08	8194047
			Dilution Factor: 1					

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MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL741 **Matrix.....:** WATER
Date Sampled...: 06/11/08 **Date Received..:** 06/17/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX			Work Order #...:		KQGH21AL	MS Lot-Sample #:		F8F240154-001
	7.6	100	108	ug/L	100	SW846 9020B	07/16/08	8198318
			Dilution Factor: 1					
TOX			Work Order #...:		KQMR01AC	MS Lot-Sample #:		F8F260239-007
	3.7	100	104	ug/L	100	SW846 9020B	07/15/08	8194047
			Dilution Factor: 1					
TOX			Work Order #...:		KQQMH1AD	MS Lot-Sample #:		F8F270237-010
	ND	100	99.8	ug/L	100	SW846 9020B	07/16/08	8198318
			Dilution Factor: 1					
TOX			Work Order #...:		KQTHT1AC	MS Lot-Sample #:		F8F280173-001
	6.0	100	103	ug/L	97	SW846 9020B	07/17/08	8199446
			Dilution Factor: 1					
TOX			Work Order #...:		KQTH61AC	MS Lot-Sample #:		F8F280173-011
	4.2	100	104	ug/L	100	SW846 9020B	07/17/08	8199446
			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 #...: F8F170141 **Work Order #...:** KP22K-SMP KP22K-DUP **Matrix.....:** WATER

Date Sampled...: 06/11/08 **Date Received..:** 06/17/08

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX						SD Lot-Sample #:	F8F170141-001	
	3.5 B	ND	ug/L	4.4	(0-20)	SW846 9020B	07/08/08	8191158

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 #...: F8F170141 **Work Order #...:** KQGD4-SMP KQGD4-DUP **Matrix.....:** WATER

Date Sampled...: 06/22/08 **Date Received..:** 06/24/08

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX						SD Lot-Sample #:	F8F240141-001	
	ND	ND	ug/L	0	(0-20)	SW846 9020B	07/11/08	8191227

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F8F170141 **Work Order #...:** KQGH2-SMP KQGH2-DUP **Matrix.....:** WATER

Date Sampled...: 06/23/08 **Date Received..:** 06/24/08

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phenol						SD Lot-Sample #:	F8F240154-001	
	ND	ND	ug/L	0	(0-20)	MCAWW 420.2	07/09-07/11/08	8192451
			Dilution Factor: 1					
Total Sulfide						SD Lot-Sample #:	F8F240154-001	
	ND	ND	mg/L	0	(0-0.0)	SW846 9030	06/30/08	8182011
			Dilution Factor: 1					
TOX						SD Lot-Sample #:	F8F240154-001	
	7.6	7.2	ug/L	5.6	(0-20)	SW846 9020B	07/16/08	8198318
			Dilution Factor: 1					

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F8F170141 **Work Order #...:** KP235-SMP KP235-DUP **Matrix.....:** WATER

Date Sampled...: 06/11/08 **Date Received..:** 06/17/08

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon						SD Lot-Sample #:	F8F170141-021	
	ND	ND	mg/L	0	(0-20)	SW846 9060	07/09/08	8193191
			Dilution Factor: 1					
TOX						SD Lot-Sample #:	F8F170141-021	
	ND	ND	ug/L	21	(0-20)	SW846 9020B	07/08-07/10/08	8191226
			Dilution Factor: 1					

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F8F170141 **Work Order #...:** KQGF2-SMP KQGF2-DUP **Matrix.....:** WATER

Date Sampled...: 06/22/08 **Date Received..:** 06/24/08

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX						SD Lot-Sample #:	F8F240141-021	
	ND	ND	ug/L	0	(0-20)	SW846 9020B	07/15/08	8194047

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F8F170141 **Work Order #...:** KQTHT-SMP KQTHT-DUP **Matrix.....:** WATER

Date Sampled...: 06/27/08 **Date Received..:** 06/28/08

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX						SD Lot-Sample #:	F8F280173-001	
	6.0	3.7 B	ug/L	47	(0-20)	SW846 9020B	07/17/08	8199446

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.