RECEIVED APRIL 22, 2008

Analytical Data Package Prepared For

Fluor Hanford

Radiochemical Analysis By

TestAmerica

2800 G.W. Way, Richland Wa, 99354, (509)-375-3131.

Assigned Laboratory Code: TARL

Data Package Contains _____ Pages

Report No.: 38813

Results in this report relate only to the sample(s) analyzed.

SDG No.	Order No.	Client Sample ID (List Order)	Lot-Sa No.	Work Order	Report DB ID	Batch No.
W05377	I08-031	B1TVR7	J8D210189-1	KLPLR1AA	9KLPLR10	8113172
		B1TVT1	J8D210183-4	KLPJR1AA	9KLPJR10	8113172
		B1TVT2	J8D210183-5	KLPJV1AA	9KLPJV10	8113172
		B1TVT5	J8D210183-2	KLPJP1AA	9KLPJP10	8113172
		B1TVT7	J8D210183-3	KLPJQ1AA	9KLPJQ10	8113172
		B1TVT9	J8D210183-6	KLPJX1AA	9KLPJX10	8113172
		B1TVV1	J8D210183-1	KLPJN1AA	9KLPJN10	8113172
	I08-032	B1TW41	J8D210182-1	KLPJL1AA	9KLPJL10	8113172
	I08-034	B1TW76	J8D210179-2	KLPHX1AA	9KLPHX10	8113172
		B1TW77	J8D210179-1	KLPHT1AA	9KLPHT10	8113172
	S08-004	B1TXH4	J8D210185-1	KLPJ31AA	9KLPJ310	8113172
		B1TXH5	J8D210185-2	KLPJ51AA	9KLPJ510	8113172

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Certificate of Analysis

Fluor Hanford
1200 Jadwin Ave.
Richland, WA 99352

April 22, 2008

Attention: Steve Trent

SAF Number	:	I08-034, I08-032, I08-031, S08-004
Date SDG Closed	:	April 21, 2008
Number of Samples	:	Twelve (12)
Sample Type	:	Water
SDG Number	:	W05377
Data Deliverable	:	24-Hour / Summary

CASE NARRATIVE

I. Introduction

On April 21, 2008 twelve water samples were received at TestAmerica for chemical analysis. Upon receipt, the samples were assigned the following laboratory ID numbers to correspond with the Fluor Hanford specific IDs:

PGW ID#	STLR ID#	DATE OF RECEIPT	MATRIX
B1TW77	KLPHT	04/21/08	WATER
B1TW76	KLPHX	04/21/08	WATER
B1TW41	KLPJL	04/21/08	WATER
B1TVV1	KLPJN	04/21/08	WATER
B1TVT5	KLPJP	04/21/08	WATER
B1TVT7	KLPJQ	04/21/08	WATER
B1TVT1	KLPJR	04/21/08	WATER
B1TVT2	KLPJV	04/21/08	WATER
B1TVT9	KLPJX	04/21/08	WATER
B1TXH4	KLPJ3	04/21/08	WATER
B1TXH5	KLPJ5	04/21/08	WATER
B1TVR7	KLPLR	04/21/08	WATER

II. Sample Receipt

The samples were received in good condition and no anomalies were noted during check-in.

III. Analytical Results/Methodology

The analytical results for this report are presented by laboratory sample ID. Each set of data includes sample identification information, analytical results and the appropriate associated statistical errors.

The requested analyses were:

Chemical Analysis
Hexavalent Chromium by EPA method 7196A

IV. Quality Control

The analytical results for each analysis performed includes a minimum of one laboratory control sample (LCS), one method (reagent) blank, and one duplicate sample analysis. Any exceptions have been noted in the "Comments" section.

QC and sample results are reported in the same units.

V. Comments

Chemical Analysis
Hexavalent Chromium by EPA method 7196A
The LCS, batch blank, samples, sample duplicate (B1TVT1), sample matrix spike (B1TVT1), and matrix spike duplicate (B1TVT1) results are within contractual requirements.

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

Reviewed and approved:

Sandra Seger
Project Manager

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TestAmerica

TA Richland
Hexavalent Chromium - Water

Analyst:	L. Dinh	Calibration Curve Information				SOP Information		BATCH #	8113172
Start Date:	4/21/2008		Amount	Conc.(mg/L)	ABS.	RICH-WC-5003		SDG #	WQ5377
Start Time:		Blank	0.000	0.000	0.000	Revision 7		Matrix	Water
End Date:	4/21/2008	Std. 1	0.100	0.050	0.097				
End Time		Std. 2	0.500	0.250	0.479			Instrument Information	
		Std. 3	0.750	0.375	0.721	MDL (mg/L)	0.002	Instrument:	Hach DR2010
Analyst Signature:		Std. 4	1.500	0.750	1.415			Wavelength:	540
		Std 5	2.000	1.000	1.863			R Squared	0.99983
Date:		Standard Volume (mL):			100.000			Slope:	1.86564
		Date of Curve:			4/21/2008			Intercept:	0.00847

	Calibration Information:	ICV Information:		LCS Information:		Matrix Spike Information:	
Dilution ID #	Cr-08-00071	Cr-08-00072		Cr-08-00071		Cr-08-00071	
Prep Date:	04/21/08	04/21/08		04/21/08		04/21/08	
Concentration (mg/L)	50	50		50		50	
Expiration Date:	04/22/08	04/22/08		04/22/08		04/22/08	
Pipettor(s)	70,190	190		190		190	
Volume Used / Expected Value		1.000	0.50000	1.00	0.50000	1.00	0.52632

Expected values are only amounts added in mg and not final concentrations

Sample ID	Client ID	Type	Sample Volume (mL)	Sample ABS.	Blank ABS.	Corrected ABS.	Dilution Factor	Curve Conc. (mg/L)	Final Conc. (mg/L)	% Rec.
n/a	n/a	ICV	100.000	0.952	0.000	0.952	1	0.5057	0.506	101.15%
n/a	n/a	ICB	100.000	0.000	0.000	0.000	1	<MDL	<MDL	
KLP1X1AA	n/a	Prep Blank	100.000	0.004		0.004	1	-0.0024	<MDL	
KLP1X1AC	n/a	LCS	100.000	0.948		0.948	1	0.5036	0.504	100.72%
KLPJR1AA	B1TVT1'	Sample	100.000	0.853		0.853	1	0.4527	0.453	
KLPJR1AC-S	B1TVT1'-MS	MS	100.000	1.817		1.817	1	0.9694	~~0.969~~ 0.516	98.18%
KLPJR1AD-D	B1TVT1'-MSD	MSD	100.000	1.801		1.801	1	0.9608	~~0.961~~ 0.508	96.55%
KLPJR1AE-X	B1TVT1'-DUP	Duplicate	100.000	0.850		0.850	1	0.4511	0.451	SKS 4/22/08
KLPJV1AA	B1TVT2'	Sample	100.000	0.847		0.847	1	0.4495	0.449	
KLPJP1AA	B1TVT5'	Sample	100.000	0.282		0.282	1	0.1466	0.147	
KLPJQ1AA	B1TVT7'	Sample	100.000	1.186		1.186	10	0.6312	6.312	
KLPJX1AA	B1TVT9'	Sample	100.000	0.099		0.099	1	0.0485	0.049	
n/a	n/a	CCV	100.000	0.946		0.946	1	0.5025	0.503	100.50%
n/a	n/a	CCB	100.000	0.002		0.002	1	-0.0035	<MDL	
KLPJL1AA	B1TW41'	Sample	100.000	0.985		0.985	4	0.5234	2.094	
KLPHX1AA	B1TW76'	Sample	100.000	0.587		0.587	4	0.3101	1.240	
KLPHT1AA	B1TW77'	Sample	100.000	0.575		0.575	4	0.3037	1.215	
KLPJ31AA	B1TXH4'	Sample	100.000	0.023		0.023	1	0.0078	0.008	
KLPJ51AA	B1TXH5'	Sample	100.000	0.040		0.040	1	0.0169	0.017	

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Richland Laboratory
Data Review Check List
Hexavalent Chromium

Batch Number(s): **8113172**

Lab Sample Numbers or 1205377 SKS 4/22/08

Method/Test/Parameter: **Cr+6 in Water / RICH-WC-5003**

Review Item	Yes (✓)	No (✓)	N/A (✓)	2nd Level Review (✓)
A. Initial Calibration				
1. Performed at required frequency with required number of levels?	✓			✓
2. Correlation coefficient within QC limits?	✓			✓
3. Initial calibration verification (ICV) analyzed immediately after calibration and results within QC limits?	✓			✓
4. Initial calibration blank (ICB) analyzed immediately after ICV and concentrations of all parameters ≤ reporting limit?	✓			✓
B. Continuing Calibration	✓			
1. CCV analyzed at required frequency and all parameters within QC limits?				✓
2. CCB analyzed at required frequency and all results ≤ reporting limit?	✓			✓
C. Sample Analysis				
1. Were any samples with concentrations above the linear range for any parameter diluted and reanalyzed?	✓			✓
2. Were all sample holding times met?	✓			✓
D. QC Samples				
1. All results for the preparation blank below limits?	✓			✓
2. MS or MS/MSD recoveries within QC limits and %RPD (for MSD) acceptable?	✓			✓
3. LCS percent recovery within QC limits and %RPD (for LCSD) acceptable?	✓			✓
4. Analytical spikes within QC limits where applicable?			✓	✓
5. ICP only: One serial dilution performed per SDG?			✓	✓
6. ICP only: CRDL standard (CRI or CRA) analyzed at required frequency?			✓	✓
7. ICP only: Interference check samples (ICSA, ICSAB) and HICAL analyzed at the required frequencies and within QC limits?			✓	✓

Review Item	Yes (✓)	No (✓)	N/A (✓)	2nd Level Review (✓)
E. Other	✓			
1. Are all nonconformances included and noted?				✓
2. Is the correct date and time of analysis shown?	✓			✓
3. Did the analyst sign and date the front page of the analytical run?	✓			✓
4. Correct methodology used?	✓			✓
5. Transcriptions checked?	✓			✓
6. Calculations checked at minimum frequency?	✓			✓
7. Units checked?	✓			✓

Comments on any "No" response:

Analyst: [signature] Date: 4/22/08

Second-Level Review: [signature] Date: 4/22/08

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FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8D210179 W05377 DUE 4 22 08 KLPHT

C.O.C. # **I08-034-12**

Page 1 of 1

Collector Roy Sickle	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. I08-034	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title ISRM, APRIL 2008	HNF-N-506-13	**Ice Chest No.** GW-1 **Temp.**
Shipped To (Lab) Waste Sampling & Characterization RS THRL	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Priority:** 24 Hours **PRIORITY**	**Offsite Property No.**

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

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
100 Area Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1TW77		W	4/21/08	1121	1x250-mL aG	7196_CR6: Hexavalent Chromium (1)	Cool~4C

Relinquished By	Date/Time	Received By	Date/Time
Print: Roy Sickle Sign: [signature]	1500 APR 21 2008	Print: W LANE Sign: TALR	1500 APR 21 2008
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

Matrix *

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

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

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FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8D210179 W05377 DUE 4 22 08 KLPHX

C.O.C. # **I08-034-11**

Page 1 of 1

Collector Roy Sickle	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. I08-034	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title ISRM, APRIL 2008	HWF-N-506-13	**Ice Chest No.** GWY **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Priority:** 24 Hours **PRIORITY**	**Offsite Property No.**

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

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No
100 Area Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1TW76		W	4/21/08	1121	1x250-mL aG	7196_CR6: Hexavalent Chromium (1)	Cool~4C

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
Roy Sickle		APR 21 2008 1500		LILANE TALR	APR 21 2008 1500
Relinquished By		Date/Time	Received By		Date/Time
Relinquished By		Date/Time	Received By		Date/Time
Relinquished By		Date/Time	Received By		Date/Time

Matrix *

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

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

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Sample Check-in List

Date/Time Received: 4 2 0 8 1500 GM Screen Result 0.1 K

Client: PGW SDG #: W05377 NA[ ] SAF #: I08-034 NA [ ]

Work Order Number: J8D210179 Chain of Custody # I08-034-12,-11

Shipping Container ID: _____ Air Bill # _____

1. Custody Seals on shipping container intact? NA [ ] Yes [✓] No [ ]
2. Custody Seals dated and signed? NA [ ] Yes [✓] No [ ]
3. Chain of Custody record present? NA [ ] Yes [✓] No [ ]
4. Cooler Temperature: _____ NA [✓] 5. Vermiculite/packing materials is NA [✓] Wet [ ] Dry [ ]
6. Number of samples in shipping container: 2
7. Sample holding times exceeded? NA [✓] Yes [ ] No [ ]
8. Samples have:
   - ____ Tape
   - ✓ Custody Seals
   - ____ Hazard Lables
   - ✓ Appropriate Sample Lables
9. Samples are:
   - ✓ In Good Condition
   - ____ Broken
   - ____ Leaking
   - ____ Have Air Bubbles (Only for samples requiring no head space.)
10. Sample pH taken? NA [ ] pH<2 [ ] pH>2 [✓] pH>9 [ ] Amount HNO_3 Added _____
11. Sample Location, Sample Collector Listed? *
    *For documentation only. No corrective action needed.
12. Were any anomalies identified in sample receipt? Yes [ ] No [✓]
13. Description of anomalies (include sample numbers): _____

Sample Custodian: _____ Date: 4 2 0 8

Client Sample ID	Analysis Requested	Condition	Comments/Action

Client Informed on _____ by _____ Person Contacted _____

[ ] No action necessary; process as is.

Project Manager _____ Date _____

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FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8D210182 W05377 DUE 42208 KLPJL

C.O.C. # **I08-032-91**

Page 1 of 1

Collector R. A. Shepard	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. I08-032	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 100KR4IAM(1/2), APRIL 2008	HNF-N-506 10	**Ice Chest No.** Cooler-1 **Temp.**
Shipped To (Lab) 4-21-08 ~~Waste Sampling & Characterization~~ TAL	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Priority:** 24 Hours **PRIORITY**	**Offsite Property No.**

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

SPECIAL INSTRUCTIONS **Hold Time**
100 Area Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1TW41		W	4-21-08	1145	1x250-mL aG	7196_CR6: Hexavalent Chromium (1)	Cool~4C

Relinquished By	Date/Time	Received By	Date/Time
Print: R. A. Shepard Sign:	APR 21 2008 1400	Print: R.T. Sickle Sign:	APR 21 2008 1400
Relinquished By: R.T. Sickle	4-21-08 1500	Received By: LJLANE TAL	4-21-08 1500
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

Matrix *

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

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

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Sample Check-in List

Date/Time Received: 4 2 1 0 8 1500 GM Screen Result 0, 1 K

Client: PGW SDG #: W05377 NA[ ] SAF #: I08-032 NA [ ]

Work Order Number: J8D210182 Chain of Custody # I08-032-91

Shipping Container ID: _____ Air Bill # _____

1. Custody Seals on shipping container intact? NA [ ] Yes [✓] No [ ]
2. Custody Seals dated and signed? NA [ ] Yes [✓] No [ ]
3. Chain of Custody record present? NA [ ] Yes [✓] No [ ]
4. Cooler Temperature: _____ NA [✓] 5. Vermiculite/packing materials is NA [✓] Wet [ ] Dry [ ]
6. Number of samples in shipping container: 1
7. Sample holding times exceeded? NA [✓] Yes [ ] No [ ]
8. Samples have:
   - ____ Tape
   - ✓ Custody Seals
   - ____ Hazard Lables
   - ✓ Appropriate Sample Lables
9. Samples are:
   - ✓ In Good Condition
   - ____ Broken
   - ____ Leaking
   - ____ Have Air Bubbles
   (Only for samples requiring no head space.)
10. Sample pH taken? NA [ ] pH<2 [ ] pH>2 [✓] pH>9 [ ] Amount HNO_3 Added _____
11. Sample Location, Sample Collector Listed? *
    *For documentation only. No corrective action needed.
12. Were any anomalies identified in sample receipt? Yes [ ] No [✓]
13. Description of anomalies (include sample numbers): _____

Sample Custodian: [signature] Date: 4 2 1 0 8

Client Sample ID	Analysis Requested	Condition	Comments/Action

Client Informed on _____ by _____ Person Contacted _____

[ ] No action necessary; process as is.

Project Manager _____ Date _____

LS-026, Rev. 7, 1/08

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FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8D210183 W05377 DUE 42208 KLPJN

C.O.C. # **I08-031-24**

Page 1 of 1

Collector Roy Sickle	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. I08-031	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 100HR3IAM(1/2), APRIL 2008	HNF-N 506-13	**Ice Chest No.** GW-1 **Temp.**
Shipped To (Lab) ~~Waste Sampling & Characterization~~ TCS TARL	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Priority:** 24 Hours **PRIORITY**	**Offsite Property No.**

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

SPECIAL INSTRUCTIONS **Hold Time**
100 Area Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1TVV1		W	4/21/08	1146	1x250-mL aG	7196_CR6: Hexavalent Chromium (1)	Cool~4C

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
Roy Sickle	APR 21 2008 1500	RJ LJ LANE TALL	APR 21 2008 1520
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

Matrix *

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

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

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FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8D210183 W05377 DUE 42208 KLPJP

C.O.C. # I08-031-12

Page 1 of 1

Collector: Roy Sickle	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: I08-031	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 100HR3IAM(1/2), APRIL 2008	HWF-W-506-13	Ice Chest No.: GW-1 Temp.
Shipped To (Lab): ~~Waste Sampling & Characterization~~ RS TARL	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.
Protocol: CERCLA	Priority: 24 Hours **PRIORITY**	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

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

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1TVT5		W	4/21/08	0916	1x250-mL aG	7196_CR6: Hexavalent Chromium (1)	Cool~4C

DRW 4/21/08

Relinquished By	Date/Time	Received By	Date/Time
Print: Roy Sickle Sign:	1500 APR 21 2008	Print: LJLANE Sign: TALR	APR 21 2008 1500
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

Matrix *

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

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

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FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8D210183 W05377 DUE 42208 KLPJQ

C.O.C. # **I08-031-16**

Page 1 of 1

Collector Roy Sickle	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. I08-031	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 100HR3IAM(1/2), APRIL 2008	HWF-W-506-13	**Ice Chest No.** 6W4 **Temp.**
Shipped To (Lab) ~~Waste Sampling & Characterization~~ RIT TARL	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Priority:** 24 Hours **PRIORITY**	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS **Hold Time**
100 Area Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1TVT7		W	4/21/08	1004	1x250-mL aG	7196_CR6: Hexavalent Chromium (1)	Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
	Roy Sickle		1500 APR 21 2008		R.L. LANE	TALL	1520 APR 21 2008
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

TESTAMERICA

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8DZ10183 W05377 DUE 42208 KLPJR

C.O.C. # **I08-031-8**

Page 1 of 1

Collector Roy Sickle	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. I08-031	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 100HR3IAM(1/2), APRIL 2008	HWF-W-50643	**Ice Chest No.** Gw-1 **Temp.**
Shipped To (Lab) ~~Waste Sampling & Characterization~~ RLS TALL	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Priority:** 24 Hours **PRIORITY**	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
100 Area Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1TVT1		W	4/21/08	1046	1x250-mL aG	7196_CR6: Hexavalent Chromium (1)	Cool~4C

Relinquished By Roy Sickle Print Sign	Date/Time 1500 APR 21 2008	Received By L.J. LANE TALL Print Sign	Date/Time 1500 APR 21 2008
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

Matrix *

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

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

TESTAMERICA

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FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8D210183 W05377 DUE 42208 KLPJV

C.O.C. # I08-031-9

Page 1 of 1

Collector: Roy Sickle	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: 108-031	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 100HR3IAM(1/2), APRIL 2008	HWF-W-506-13	Ice Chest No.: GW-1 Temp.
Shipped To (Lab): ~~Waste Sampling & Characterization~~ TAL TALR	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.
Protocol: CERCLA	Priority: 24 Hours PRIORITY	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

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

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1TVT2		W	4/21/08	1046	1x250-mL aG	7196_CR6: Hexavalent Chromium (1)	Cool~4C

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
Roy Sickle	APR 2 1 2008 1500	LJLANE TALR	APR 2 1 2008 1500

Matrix *

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

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

TESTAMERICA

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FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8D210183 W05377 DUE ~~42108~~ RJA 42208 KLPJX

C.O.C. # **I08-031-20**

Page 1 of 1

Collector Roy Sickle	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. I08-031	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 100HR3IAM(1/2), APRIL 2008	HNF-N-506-13	**Ice Chest No.** GW-1 **Temp.**
Shipped To (Lab) ~~Waste Sampling & Characterization~~ TALR	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Priority:** 24 Hours **PRIORITY**	**Offsite Property No.**

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

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
100 Area Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1TVT9		W	4/21/08	1248	1x250-mL aG	7196_CR6: Hexavalent Chromium (1)	Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Roy Sickle			APR 21 2008 1500		LJLANE	TALR	APR 21 2008 1500
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Sample Check-in List

Date/Time Received: 4 2 1 0 8 1500 GM Screen Result 0.1K

Client: PGW SDG #: W05377 NA[ ] SAF #: I08-031 NA [ ]

Work Order Number: J8D210183 Chain of Custody # I08-031-24,-12,-16,-8,-9,-20

Shipping Container ID: _____ Air Bill # _____

1. Custody Seals on shipping container intact? NA [ ] Yes [✓] No [ ]
2. Custody Seals dated and signed? NA [ ] Yes [✓] No [ ]
3. Chain of Custody record present? NA [ ] Yes [✓] No [ ]
4. Cooler Temperature: _____ NA [✓] 5. Vermiculite/packing materials is NA [✓] Wet [ ] Dry [ ]
6. Number of samples in shipping container: 6
7. Sample holding times exceeded? NA [✓] Yes [ ] No [ ]
8. Samples have:
   - ____ Tape
   - ✓ Custody Seals
   - ____ Hazard Lables
   - ✓ Appropriate Sample Lables
9. Samples are:
   - ✓ In Good Condition
   - ____ Broken
   - ____ Leaking
   - ____ Have Air Bubbles
   (Only for samples requiring no head space.)
10. Sample pH taken? NA [ ] pH<2 [ ] pH>2 [✓] pH>9 [ ] Amount HNO_3 Added _____
11. Sample Location, Sample Collector Listed? *
    *For documentation only. No corrective action needed.
12. Were any anomalies identified in sample receipt? Yes [ ] No [✓]
13. Description of anomalies (include sample numbers): _____

Sample Custodian: _____ Date: 4 2 1 0 8

Client Sample ID	Analysis Requested	Condition	Comments/Action

Client Informed on _____ by _____ Person Contacted _____

[ ] No action necessary; process as is.

Project Manager _____ Date _____

TESTAMERICA

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8D210185 WO5377 DUE 42208 KLPJ3

C.O.C. # **S08-004-1032**

Page 1 of 1

Collector: R. D. Julian	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: S08-004	Sampling Origin: Hanford Site 506 PRB 4-21-08	Purchase Order/Charge Code
Project Title: SURV, APRIL 2008	HWF-N ~~[illegible]~~-12	Ice Chest No.: 3ML-441 Temp.
Shipped To (Lab): Test America Richland	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.
Protocol: SURV MS 4-21-08	Priority: 24 Hours **PRIORITY**	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1TXH4		W	4/21/08	1117	1x250-mL aG	7196_CR6: Hexavalent Chromium (1)	Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
R. D. Julian			APR 21 2008 1400	R.T. SICKLE			APR 21 2008 1400
R.T. SICKLE			4-21-08 1500	LJLANE	TALR		4-21-08 1500

Matrix *

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

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

TESTAMERICA

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FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8D210185 W05377 DUE 42208 KLPJ5

C.O.C. # **S08-004-1033**

Page 1 of 1

Collector R.D. Julian	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: S08-004	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV, APRIL 2008	HNF-N-506-12	Ice Chest No.: GW-1 Temp.
Shipped To (Lab): Waste Sampling & Characterization	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.
Protocol: SURV TEST AMERICA RICHLAND 4-21-08	Priority: 24 Hours **PRIORITY**	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

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
B1TXH5		W	4-21-08	1157	1x250-mL aG	7196_CR6: Hexavalent Chromium (1)	Cool~4C

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
R. D. Julian	APR 21 2008 1400	R.T. SICKLE	4-21-08 1400
R.T. SICKLE	4-21-08 1500	LILANE TALR	4-21-08 1500

Matrix *

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

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Sample Check-in List

Date/Time Received: 4 2 08 1500 GM Screen Result 0.1 K

Client: PGW SDG #: W05377 NA[ ] SAF #: 7-508-004 NA [ ]

Work Order Number: J8D210185 Chain of Custody # 508-004-1032,-1033

Shipping Container ID: _____ Air Bill # _____

1. Custody Seals on shipping container intact? NA [ ] Yes [✓] No [ ]
2. Custody Seals dated and signed? NA [ ] Yes [✓] No [ ]
3. Chain of Custody record present? NA [ ] Yes [✓] No [ ]
4. Cooler Temperature: _____ NA [✓] 5. Vermiculite/packing materials is NA [✓] Wet [ ] Dry [ ]
6. Number of samples in shipping container: 2
7. Sample holding times exceeded? NA [✓] Yes [ ] No [ ]
8. Samples have:
   - ____ Tape
   - ✓ Custody Seals
   - ____ Hazard Lables
   - ✓ Appropriate Sample Lables
9. Samples are:
   - ✓ In Good Condition
   - ____ Broken
   - ____ Leaking
   - ____ Have Air Bubbles
   - (Only for samples requiring no head space.)
10. Sample pH taken? NA [ ] pH<2 [ ] pH>2 [✓] pH>9 [ ] Amount HNO_3 Added _____
11. Sample Location, Sample Collector Listed? *
    *For documentation only. No corrective action needed.
12. Were any anomalies identified in sample receipt? Yes [ ] No [✓]
13. Description of anomalies (include sample numbers): _____

Sample Custodian: _____ Date: 4 2 08

Client Sample ID	Analysis Requested	Condition	Comments/Action

Client Informed on _____ by _____ Person Contacted _____

[ ] No action necessary; process as is.

Project Manager _____ Date _____

LS-023, Rev. 7, 1/08

TESTAMERICA

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FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8D210189 W05377 DUE 42208 KLPLR

C.O.C. # **I08-031-2**

Page 1 of 1

Collector: R. D. Julian	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: I08-031	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 100HR3IAM(1/2), APRIL 2008	HNF-N-506-12	Ice Chest No.: 3ML-441 Temp.
Shipped To (Lab): ~~Waste Sampling & Characterization~~	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.
Protocol: CERCLA TEST AMERICA Ri	Priority: 24 Hours **PRIORITY**	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS **Hold Time**
100 Area Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1TVR7		W	4-21-08	1319	1x250-mL aG	7196_CR6: Hexavalent Chromium (1)	Cool~4C

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
R. D. Julian	APR 21 2008 1655	K. L. LANE TALR	APR 21 2008 1655

Matrix *

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

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Sample Check-in List

Date/Time Received: 42108 1655 GM Screen Result 0.1K

Client: PGW SDG #: W05377 NA[ ] SAF #: I08-031 NA [ ]

Work Order Number: J8D210189 Chain of Custody # I08-031-2

Shipping Container ID: _____ Air Bill # _____

1. Custody Seals on shipping container intact? NA [ ] Yes [✓] No [ ]
2. Custody Seals dated and signed? NA [ ] Yes [✓] No [ ]
3. Chain of Custody record present? NA [ ] Yes [✓] No [ ]
4. Cooler Temperature: _____ NA [✓] 5. Vermiculite/packing materials is NA [✓] Wet [ ] Dry [ ]
6. Number of samples in shipping container: 1
7. Sample holding times exceeded? NA [✓] Yes [ ] No [ ]
8. Samples have:
   - ____ Tape
   - ✓ Custody Seals
   - ✓ Hazard Lables
   - ✓ Appropriate Sample Lables
9. Samples are:
   - ✓ In Good Condition
   - ____ Broken
   - ____ Leaking
   - ____ Have Air Bubbles (Only for samples requiring no head space.)
10. Sample pH taken? NA [ ] pH<2 [ ] pH>2 [✓] pH>9 [ ] Amount HNO_3 Added _____
11. Sample Location, Sample Collector Listed? *
    *For documentation only. No corrective action needed.
12. Were any anomalies identified in sample receipt? Yes [ ] No [✓]
13. Description of anomalies (include sample numbers): _____

Sample Custodian: _____ Date: 42108

Client Sample ID	Analysis Requested	Condition	Comments/Action

Client Informed on _____ by _____ Person Contacted _____

[ ] No action necessary; process as is.

Project Manager _____ Date _____

TESTAMERICA

4/22/2008 11:14:36 AM

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

AnalyDueDate: 04/22/2008

Sample Preparation/Analysis

88 NO SAMPLE PREPARATION PERFORMED / DIRECT INJECTION
EA Chromium, Hexavalent (7196A)
5I CLIENT: HANFORD

Balance Id:
Pipet #:
Sep1 DT/Tm Tech:
Sep2 DT/Tm Tech:
Prep Tech:

Batch: 8113172 WATER mg/L
SEQ Batch, Test: None All Tests: 8113172 88EA.

PM, Quote: SS , 57671

Work Order, Lot, Sample DateTime	Total Amt/Unit	Initial Aliquot Amt/Unit	QC Tracer Prep Date	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
1 KLPHT-1-AA J8D210179-1-SAMP 04/21/2008 11:21		AmtRec: 250G	#Containers: 1			Scr:	Alpha:	Beta:
2 KLPHX-1-AA J8D210179-2-SAMP 04/21/2008 11:21		AmtRec: 250G	#Containers: 1			Scr:	Alpha:	Beta:
3 KLPJL-1-AA J8D210182-1-SAMP 04/21/2008 11:45		AmtRec: 250G	#Containers: 1			Scr:	Alpha:	Beta:
4 KLPJN-1-AA J8D210183-1-SAMP 04/21/2008 11:46		AmtRec: 250G	#Containers: 1			Scr:	Alpha:	Beta:
5 KLPJP-1-AA J8D210183-2-SAMP 04/21/2008 09:16		AmtRec: 250G	#Containers: 1			Scr:	Alpha:	Beta:
6 KLPJQ-1-AA J8D210183-3-SAMP 04/21/2008 10:04		AmtRec: 250G	#Containers: 1			Scr:	Alpha:	Beta:
7 KLPJR-1-AA J8D210183-4-SAMP 04/21/2008 10:46		AmtRec: 250G	#Containers: 1			Scr:	Alpha:	Beta:

TESTAMERICA

4/22/2008 11:14:37 AM

Sample Preparation/Analysis

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

88 NO SAMPLE PREPARATION PERFORMED / DIRECT INJECTION
EA Chromium, Hexavalent (7196A)

AnalyDueDate: 04/22/2008

5I CLIENT: HANFORD

Batch: 8113172 WATER mg/L

SEQ Batch, Test: None

PM, Quote: SS , 57671

Balance Id:

Pipet #:

Sep1 DT/Tm Tech:

Sep2 DT/Tm Tech:

Prep Tech:

Work Order, Lot, Sample DateTime	Total Amt/Unit	Initial Aliquot Amt/Unit	QC Tracer Prep Date	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
8 KLPJR-1-AC-S J8D210183-4-MS 04/21/2008 10:46		AmtRec: 250G	#Containers: 1			Scr:	Alpha:	Beta:
9 KLPJR-1-AD-D J8D210183-4-MSD 04/21/2008 10:46		AmtRec: 250G	#Containers: 1			Scr:	Alpha:	Beta:
10 KLPJR-1-AE-X J8D210183-4-DUP 04/21/2008 10:46		AmtRec: 250G	#Containers: 1			Scr:	Alpha:	Beta:
11 KLPJV-1-AA J8D210183-5-SAMP 04/21/2008 10:46		AmtRec: 250G	#Containers: 1			Scr:	Alpha:	Beta:
12 KLPJX-1-AA J8D210183-6-SAMP 04/21/2008 12:48		AmtRec: 250G	#Containers: 1			Scr:	Alpha:	Beta:
13 KLPJ3-1-AA J8D210185-1-SAMP 04/21/2008 11:17		AmtRec: 250G	#Containers: 1			Scr:	Alpha:	Beta:
14 KLPJ5-1-AA J8D210185-2-SAMP 04/21/2008 11:57		AmtRec: 250G	#Containers: 1			Scr:	Alpha:	Beta:

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TESTAMERICA

4/22/2008 11:14:38 AM

Sample Preparation/Analysis

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

88 NO SAMPLE PREPARATION PERFORMED / DIRECT INJECTION
EA Chromium, Hexavalent (7196A)
5I CLIENT: HANFORD

Balance Id:
Pipet #:
Sep1 DT/Tm Tech:
Sep2 DT/Tm Tech:
Prep Tech:

AnalyDueDate: 04/22/2008

Batch: 8113172 **WATER** **mg/L** **PM, Quote: SS , 57671**
SEQ Batch, Test: None

Work Order, Lot, Sample DateTime	Total Amt/Unit	Initial Aliquot Amt/Unit	QC Tracer Prep Date	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
15 KLPLR-1-AA J8D210189-1-SAMP 04/21/2008 13:19		AmtRec: 250G	#Containers: 1			Scr:	Alpha:	Beta:
16 KLP1X-1-AA-B J8D220000-172-BLK 04/21/2008 10:46		AmtRec:	#Containers: 1			Scr:	Alpha:	Beta:
17 KLP1X-1-AC-C J8D220000-172-LCS 04/21/2008 10:46		AmtRec:	#Containers: 1			Scr:	Alpha:	Beta:

Comments:

```
All Clients for Batch:
    384868, Pacific Northwest National Laboratory      Pacific Northwest National Lab,  SS , 57671

KLPHT1AA-SAMP Constituent List:
  HEXCHROME   RDL:0.002       mg/L      LCL:85      UCL:115     RPD:20
KLPJR1AC-MS:

KLPJR1AD-MSD:

KLP1X1AA-BLK:

KLP1X1AC-LCS:

KLPHT1AA-SAMP Calc Info:
    Uncert Level (#s).: 2     Decay to SaDt: Y     Blk Subt.: N     Sci.Not.: Y     ODRs: B
KLPJR1AC-MS:
    Uncert Level (#s).: 2     Decay to SaDt: Y     Blk Subt.: N     Sci.Not.: Y     ODRs: B
```

4/22/2008 11:14:38 AM

Sample Preparation/Analysis

88 NO SAMPLE PREPARATION PERFORMED / DIRECT INJECTION
EA Chromium, Hexavalent (7196A)
5I CLIENT: HANFORD

AnalyDueDate: 04/22/2008

Batch: 8113172 mg/L
SEO Batch, Test: None

Balance Id:
Pipet #:
Sep1 DT/Tm Tech:
Sep2 DT/Tm Tech:
Prep Tech:

Work Order, Lot, Sample DateTime	Total Amt/Unit	Initial Aliquot Amt/Unit	QC Tracer Prep Date	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:

KLPJR1AD-MSD:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KLP1X1AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KLP1X1AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

Approved By Date: