

RECEIVED SEPTEMBER 19, 2008

Analytical Data Package Prepared For

Fluor Hanford Inc.

Radiochemical Analysis By

TestAmerica

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

Assigned Laboratory Code: TARL

Data Package Contains _____ Pages

Report No.: 39873

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.
<u>W05520</u>	F08-164	B1X6P1	J8I180204-1	KW49L1AA	9KW49L10	8262336

RECEIVED
FEB 03 2009

EDMC

Certificate of Analysis

Fluor Hanford, Inc.
1200 Jadwin Ave.
Richland, WA 99352

September 19, 2008

Attention: Steve Trent

SAF Number	:	F08-164
Date SDG Closed	:	September 18, 2008
Number of Samples	:	One (1)
Sample Type	:	Water
SDG Number	:	W05520
Data Deliverable	:	24 Hour /15 Day

CASE NARRATIVE

I. Introduction

On September 18, 2008 one sample was received at TestAmerica for radiochemical analysis. Upon receipt, the sample was assigned to lot J8I180204 and assigned the following laboratory ID number to correspond with the Fluor Hanford (FH) specific ID:

<u>FH ID#</u>	<u>TALR ID#</u>	<u>MATRIX</u>	<u>DATE OF RECEIPT</u>
B1X6P1	KW49L	WATER	9/18/08

II. Sample Receipt

The sample was 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.

Fluor Hanford, Inc.
September 19, 2008

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

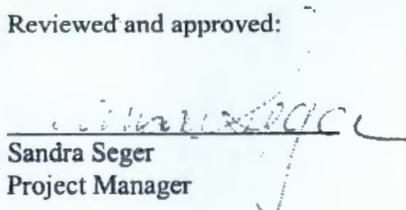
Chemical Analysis

Hexavalent Chromium by EPA method 7196A

The LCS, batch blank, sample, sample duplicate (B1X6P1), sample matrix spike (B1X6P1), and matrix spike duplicate results (B1X6P1) 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

Drinking Water Method Cross References

DRINKING WATER ASTM METHOD CROSS REFERENCES		
Referenced Method	Isotope(s)	TestAmerica Richland's SOP No.
EPA 901.1	Cs-134, I-131	RICH-RC-5017
EPA 900.0	Alpha & Beta	RICH-RC-5014
EPA 00-02	Gross Alpha (Coprecipitation)	RICH-RC-5021
EPA 903.0	Total Alpha Radium (Ra-226)	RICH-RC-5027
EPA 903.1	Ra-226	RICH-RC-5005
EPA 904.0	Ra-228	RICH-RC-5005
EPA 905.0	Sr-89/90	RICH-RC-5006
ASTM D5174	Uranium	RICH-RC-5058
EPA 906.0	Tritium	RICH-RC-5007

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

Uncertainty Estimation

TestAmerica Richland has adopted the internationally accepted approach to estimating uncertainties described in "NIST Technical Note 1297, 1994 Edition". The approach, "Law of Propagation of Errors", involves the identification of all variables in an analytical method which are used to derive a result. These variables are related to the analytical result (R) by some functional relationship, $R = \text{constants} * f(x,y,z,...)$. The components (x,y,z) are evaluated to determine their contribution to the overall method uncertainty. The individual component uncertainties (u_i) are then combined using a statistical model that provides the most probable overall uncertainty value. All component uncertainties are categorized as type A, evaluated by statistical methods, or type B, evaluated by other means. Uncertainties not included in the components, such as sample homogeneity, are combined with the component uncertainty as the square root of the sum-of-the-squares of the individual uncertainties. The uncertainty associated with the derived result is the combined uncertainty (u_c) multiplied by the coverage factor (1,2, or 3).

When three or more sample replicates are used to derive the analytical result, the type A uncertainty is the standard deviation of the mean value (S/\sqrt{n}), where S is the standard deviation of the derived results. The type B uncertainties are all other random or non-random components that are not included in the standard deviation.

The derivation of the general "Law of Propagation of Errors" equations and specific example are available on request.

Report Definitions

Action Lev	An agreed upon activity level used to trigger some action when the final result is greater than or equal to the Action Level. Often the Action Level is related to the Decision Limit.
Batch	The QC preparation batch number that relates laboratory samples to QC samples that were prepared and analyzed together.
Bias	Defined by the equation $(\text{Result}/\text{Expected})-1$ as defined by ANSI N13.30.
COC No	Chain of Custody Number assigned by the Client or TestAmerica.
Count Error (#s)	Poisson counting statistics of the gross sample count and background. The uncertainty is absolute and in the same units as the result. For Liquid Scintillation Counting (LSC) the batch blank count is the background.
Total Uncert (#s) u_c - Combined Uncertainty.	All known uncertainties associated with the preparation and analysis of the sample are propagated to give a measure of the uncertainty associated with the result, u_c the combined uncertainty. The uncertainty is absolute and in the same units as the result.
(#s), Coverage Factor	The coverage factor defines the width of the confidence interval, 1, 2 or 3 standard deviations.
CRDL (RL)	Contractual Required Detection Limit as defined in the Client's Statement Of Work or TestAmerica "default" nominal detection limit. Often referred to the reporting level (RL)
Lc	Decision Level based on instrument background or blank, adjusted by the Efficiency, Chemical Yield, and Volume associated with the sample. The Type I error probability is approximately 5%. $Lc = (1.645 * \text{Sqrt}(2 * (\text{BkgndCnt}/\text{BkgndCntMin})/\text{SCntMin})) * (\text{ConvFct}/(\text{Eff} * \text{Yld} * \text{Abn} * \text{Vol}) * \text{IngrFct})$. For LSC methods the batch blank is used as a measure of the background variability. Lc cannot be calculated when the background count is zero.
Lot-Sample No	The number assigned by the LIMS software to track samples received on the same day for a given client. The sample number is a sequential number assigned to each sample in the Lot.
MDC MDA	Detection Level based on instrument background or blank, adjusted by the Efficiency, Chemical Yield, and Volume with a Type I and II error probability of approximately 5%. $MDC = (4.65 * \text{Sqrt}((\text{BkgndCnt}/\text{BkgndCntMin})/\text{SCntMin}) + 2.71/\text{SCntMin}) * (\text{ConvFct}/(\text{Eff} * \text{Yld} * \text{Abn} * \text{Vol}) * \text{IngrFct})$. For LSC methods the batch blank is used as a measure of the background variability.
Primary Detector	The instrument identifier associated with the analysis of the sample aliquot.
Ratio U-234/U-238	The U-234 result divided by the U-238 result. The U-234/U-238 ratio for natural uranium in NIST SRM 4321C is 1.038.
Rst/MDC	Ratio of the Result to the MDC. A value greater than 1 may indicate activity above background at a high level of confidence. Caution should be used when applying this factor and it should be used in concert with the qualifiers associated with the result.
Rst/TotUcert	Ratio of the Result to the Total Uncertainty. If the uncertainty has a coverage factor of 2 a value greater than 1 may indicate activity above background at approximately the 95% level of confidence assuming a two-sided confidence interval. Caution should be used when applying this factor and it should be used in concert with the qualifiers associated with the result.
Report DB No	Sample Identifier used by the report system. The number is based upon the first five digits of the Work Order Number.
RER	The equation Replicate Error Ratio = $(S-D)/[\text{sqrt}(\text{TPUs}^2 + \text{TPUd}^2)]$ as defined by ICPT BOA where S is the original sample result, D is the result of the duplicate, TPUs is the total uncertainty of the original sample and TPUd is the total uncertainty of the duplicate sample.
SDG	Sample Delivery Group Number assigned by the Client or assigned by TestAmerica upon sample receipt.
Sum Rpt Alpha Spec Rst(s)	The sum of the reported alpha spec results for tests derived from the same sample excluding duplicate result where the results are in the same units.
Work Order	The LIMS software assign test specific identifier.
Yield	The recovery of the tracer added to the sample such as Pu-242 used to trace a Pu-239/40 method.

Sample Results Summary

Date: 19-Sep-08

TestAmerica TARL

Ordered by Method, Batch No., Client Sample ID.

Report No. : 39873

SDG No: W05520

Client Id	Parameter	Result +- Uncertainty (2s)	Qual	Units	Tracer Yield	MDC or MDA	CRDL	RPD
8262336 7196_CR6								
B1X6P1								
KW49L1AA	HEXCHROME	1.10E-02 +- 0.00E+00		mg/L	N/A	2.00E-03	3.50E-01	
KW49L1AE	HEXCHROME	1.10E-02 +- 0.00E+00		mg/L	N/A	2.00E-03	3.50E-01	0.0

No. of Results: 2

TestAmerica RPD - Relative Percent Difference.

rptSTLRchSaSummary2 V5.1.7
A2002

QC Results Summary

Date: 19-Sep-08

TestAmerica TARL

Ordered by Method, Batch No, QC Type,.

Report No. : 39873

SDG No.: W05520

Batch	Work Order	Parameter	Result +- Uncertainty (2s)	Qual	Units	Tracer Yield	LCS Recovery	Bias	MDC MDA
7196_CR6									
8252336	MATRIX SPIKE, B1X6P1								
	KW49L1AC	HEXCHROME	2.68E-01 +- 0.00E+00		mg/L	N/A	102%	0.0	2.00E-03
	KW49L1AD	HEXCHROME	2.71E-01 +- 0.00E+00		mg/L	N/A	103%	0.0	2.00E-03
8262336	LCS,								
	KW4931AC	HEXCHROME	5.04E-01 +- 0.00E+00		mg/L	N/A	101%	0.0	2.00E-03
8262336	BLANK QC,								
	KW4931AA	HEXCHROME	2.00E-03 +- 0.00E+00	U	mg/L	N/A			2.00E-03
No. of Results: 4									

TestAmerica Bias - (Result/Expected)-1 as defined by ANSI N13.30.
 rptSTLRchQcSummary V5.1.7 A2002 U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda or Total Uncert or not identified by gamma scan software.

FORM I
SAMPLE RESULTS

Date: 19-Sep-08

Lab Name: TestAmerica
 Lot-Sample No.: J8I180204-1
 Client Sample ID: B1X6P1

SDG: W05520
 Report No. : 39873
 COC No. : F08-164-005

Collection Date: 9/17/2008 5:15:00 PM
 Received Date: 9/18/2008 10:25:00 AM
 Matrix: WATER

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUncert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 8262336	7196_CR6				Work Order: KW49L1AA		Report DB ID: 9KW49L10					
HEXCHROME	1.10E-02			0.0E+00	2.00E-03	mg/L	N/A	(5.5)	9/18/08		100.0	
							3.50E-01	N/A			ML	

No. of Results: 1 Comments:

FORM II

Date: 19-Sep-08

DUPLICATE RESULTS

Lab Name: TestAmerica

SDG: W05520

Collection Date: 9/17/2008 5:15:00 PM

Lot-Sample No.: J81180204-1

Report No. : 39873

Received Date: 9/18/2008 10:25:00 AM

Client Sample ID: B1X6P1

COC No. : F08-164-005

Matrix: WATER

Parameter	Result, Orig Rst	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC MDA, Action Lev	Rpt Unit, CRDL	Yield	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 8262336	7196_CR6				Work Order: KW49L1AE	Report DB ID: KW49L1ER			Orig Sa DB ID: 9KW49L10			
HEXCHROME	1.10E-02			0.0E+00	2.00E-03	mg/L	N/A	(5.5)	9/18/08		100.0	
	1.10E-02		RPD 0.0			3.50E-01		N/A			ML	

No. of Results: 1 Comments:

TestAmerica RPD - Relative Percent Difference.

rptSTLRchDupV5.1 MDC|MDA,Le - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.

FORM II
BLANK RESULTS

Date: 19-Sep-08

Lab Name: TestAmerica
Matrix: WATER

SDG: W05520
Report No. : 39873

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC MDA ,	Rpt Unit, CRDL	Yield	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 8262336	7196_CR6				Work Order: KW4931AA			Report DB ID: KW4931AB				
HEXCHROME	2.00E-03	U		0.0E+00	2.00E-03	mg/L	N/A	1.	9/18/08		100.0	
						3.50E-01		N/A			ML	
No. of Results: 1			Comments:									

FORM II
LCS RESULTS

Date: 19-Sep-08

Lab Name: TestAmerica
Matrix: WATER

SDG: W05520
Report No. : 39873

Parameter	Result	Count Qual	Error (2 s)	Total Uncert(2 s)	MDC MDA	Report Unit	Yield	Expected	Expected Uncert	Recovery, Bias	Analysis, Prep Date	Aliquot Size	Primary Detector
Batch: 8262336	7196_CR6												
				Work Order: KW4931AC			Report DB ID: KW4931AS						
HEXCHROME	5.04E-01			0.0E+00	2.00E-03	mg/L	N/A	5.00E-01		101%	9/18/08	100.0	
								Rec Limits:	70	130	0.0	ML	
No. of Results: 1		Comments:											

FORM II
MATRIX SPIKE RESULTS

Date: 19-Sep-08

Lab Name: TestAmerica

SDG: W05520

Lot-Sample No.: J8I180204-1, B1X6P1

Report No. : 39873

Matrix: WATER

Parameter	SpikeResult, Orig Rst	Count Qual Error (2 s)	Total Uncert(2 s)	MDC MDA	Rpt Unit, CRDL	Yield	Rec- overy	Expected, Uncert	Analysis, Prep Date	Aliquot Size	Analy Method, Primary Detector
Batch: 8262336 HEXCHROME	Work Order: KW49L1AC 2.68E-01 1.10E-02	Report DB ID: KW49L1CW	Orig Sa DB ID: 9KW49L10	0.0E+00	2.00E-03 mg/L	N/A	101.90%	2.63E-01	9/18/08	100.0 ML	7196_CR6
Batch: 8262336 HEXCHROME	Work Order: KW49L1AD 2.71E-01 2.68E-01	Report DB ID: KW49L1DW	Orig Sa DB ID: KW49L1CW	0.0E+00	2.00E-03 mg/L	N/A	103.04%	2.63E-01	9/18/08	100.0 ML	7196_CR6

Number of Results: 2

Comments:

Batch Number(s): 8262336				
Lab Sample Numbers or <i>Wd 5520</i> <i>Due 9/19</i>				
Method/Test/Parameter: Cr+6 in Water / RL-WC-003				
Review Item	Yes (✓)	No (✓)	N/A (✓)	2 nd 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 (✓)	2 nd 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: *Lind Dill*
 Second-Level Review: *S. Seeger*

Date: 9/18/08
 Date: 9/18/08

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-164-005

PAGE 1 OF 1

COLLECTOR

D. C. Eff

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

1A

DATA TURNAROUND

24 Hours / 15 Days

SAMPLING LOCATION

C6452 I-BW-001

PROJECT DESIGNATION

K-West Characterization - Groundwater - Special Sampling

SAF NO.

F08-164

AIR QUALITY

METHOD OF SHIPMENT

FEDERAL EXPRESS

ICE CHEST NO.

FIELD LOGBOOK NO.

MWF-N-585-10

ACTUAL SAMPLE DEPTH

5'

COA

123630ES10

BILL OF LADING/AIR BILL NO.

SHIPPED TO

TestAmerica Incorporated, Richland

MATRIX*

- A=Air
- DL=Drum Liquids
- DS=Drum Solids
- L=Liquid
- O=Oil
- S=Soil
- SE=Sediment
- T=Tissue
- V=Vegetation
- W=Water
- WI=Wipe
- X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains Radioactive Material at concentrations that may or may not be regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 5400.5 (1990/1993)

J8I180204

W05520

Due 11/03/08

SPECIAL HANDLING AND/OR STORAGE

W05520

Due: 10/3/08

PRESERVATION

Cool-4C

TYPE OF CONTAINER

aG

NO. OF CONTAINER(S)

1

VOLUME

500ml

SAMPLE ANALYSIS

Chromium Hex - 7196;

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1X6P1

WATER

9/17/08

1715

025946

KW49C

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

J Helms / J Helms

9/17/08 1800

MO 413 FRIDGE

9/17/08/1800

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

MO-413 FRIDGE

09-18-08

0954

El Kavin / S. Em. Yh

09-18-08

0954

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

El Kavin / S. Em. Yh

09-18-08

1025

J. Helms

09-18-08

1025

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

TITLE

DATE/TIME

DISPOSED BY

DATE/TIME



Sample Check-in List

Date/Time Received: 09-18-08 1025 GM Screen Result .01

Client: FLH SDG #: W05576 NA [] SAF #: F08-164 NA []

Work Order Number: J8I180204 Chain of Custody # F08-164-005
As of 9/18/08

Shipping Container ID: N/A Air Bill # N/A

- 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: None 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 Labels
1 Appropriate Sample Labels

9. Samples are:
1 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 HNO₃ 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: 09-18-08

Client Sample ID	Analysis Requested	Condition	Comments/Action

Client Informed on _____ by _____ Person Contacted _____

[] No action necessary; process as is.

Project Manager _____ Date _____

TestAmerica Laboratories, Inc.

9/18/2008 12:04:24 PM

Sample Preparation/Analysis

Balance Id:

108302, Fluor Hanford Inc
Management Federal Servi

, Waste

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

Pipet #:

AnalyDueDate: 10/03/2008

Sep1 DT/Tm Tech:

Batch: 8262336 WATER
SEQ Batch, Test: None

ug/L

PM, Quote: SS , 29754

Sep2 DT/Tm Tech:

Prep Tech:



Work Order, Lot, Sample Date/Time	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:
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1 KW49L-1-AA

J81180204-1-SAMP

09/17/2008 17:15		AmtRec: 500G	#Containers: 1				Scr:	Alpha:	Beta:
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2 KW49L-1-AC-S

J81180204-1-MS

09/17/2008 17:15		AmtRec: 500G	#Containers: 1				Scr:	Alpha:	Beta:
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3 KW49L-1-AD-D

J81180204-1-MSD

09/17/2008 17:15		AmtRec: 500G	#Containers: 1				Scr:	Alpha:	Beta:
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4 KW49L-1-AE-X

J81180204-1-DUP

09/17/2008 17:15		AmtRec: 500G	#Containers: 1				Scr:	Alpha:	Beta:
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5 KW493-1-AA-B

J81180000-336-BLK

09/17/2008 17:15		AmtRec:	#Containers: 1				Scr:	Alpha:	Beta:
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6 KW493-1-AC-C

J81180000-336-LCS

09/17/2008 17:15		AmtRec:	#Containers: 1				Scr:	Alpha:	Beta:
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TestAmerica Laboratories, Inc.

9/18/2008 12:04:25 PM

Sample Preparation/Analysis

Balance Id:

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

Pipet #:

AnalyDueDate: 10/03/2008

Sep1 DT/Tm Tech:

Batch: 8262336 ug/L
 SEQ Batch, Test: None

Sep2 DT/Tm Tech:

Prep Tech:



Work Order, Lot, Sample Date/Time	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:
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Comments:

All Clients for Batch:

108302, Fluor Hanford Inc

Waste Management Federal Servi, SS, 29754

KW49L1AA-SAMP Constituent List:

KW49L1AC-MS Constituent List:

KW49L1AD-MSD:

KW4931AA-BLK:

KW4931AC-LCS:

KW49L1AA-SAMP Calc Info:

Uncert Level (#s): 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

KW49L1AC-MS Calc Info:

Uncert Level (#s): 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

KW49L1AD-MSD:

Uncert Level (#s): 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

KW4931AA-BLK:

Uncert Level (#s): 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

KW4931AC-LCS:

Uncert Level (#s): 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

Approved By

Date:

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