

SAF-RC-030

Remaining Sites Confirmation Sampling - Other Solid

FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Kathy Wendt H4-21

KW 10/21/08
INITIAL/DATE

COMMENTS:

SDG J00202

SAF-RC-030

Rad only

Chem only

Rad & Chem

Complete

Partial

Waste Site: 100-H-28:2

RECEIVED
NOV 03 2008
EDMC

Analytical Data Package Prepared For
Washington Closure Hanford



Radiochemical Analysis By
TestAmerica

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

Assigned Laboratory Code: TARL

Data Package Contains 18 Pages

Report No.: 40009

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.
J00202	RC-030	J16VJ1	J8J060170-1	KX8X41AA	9KX8X410	8280454

Certificate of Analysis

Washington Hanford Closure
2620 Fermi Avenue
Richland, WA 99354

October 21, 2008

Attention: Joan Kessner

SAF Number	:	RC-030
Date SDG Closed	:	October 6, 2008
Number of Samples	:	One (1)
Sample Type	:	Other Solid
SDG Number	:	J00202
Data Deliverable	:	15-Day / Summary

CASE NARRATIVE

I. Introduction

On October 6, 2008 one other solid sample was received at TestAmerica for chemistry analysis. Upon receipt, the sample was assigned the following laboratory ID number to correspond with the Washington Closure Hanford (WCH) specific ID:

<u>WCH ID#</u>	<u>TARL ID#</u>	<u>MATRIX</u>	<u>DATE OF RECEIPT</u>
J16VJ1	KX8X4	Other Solid	10/06/08

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.

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

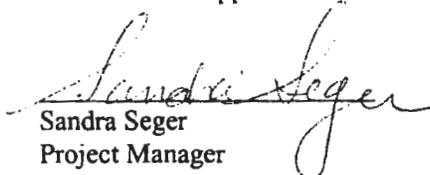
Chemical Analysis

Hexavalent Chromium by EPA method 7196A:

The LCS, batch blank, sample, sample duplicate (J16VJ1) and sample matrix spike (J16VJ1) 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

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, $R = \text{constants} * f(x,y,z, \dots)$. 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: 21-Oct-08

TestAmerica TARL

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

Report No. : 40009

SDG No: J00202

Batch	Client Id Work Order	Parameter	Result +- Uncertainty (2s)	Qual	Units	Tracer Yield	MDC or MDA	CRDL	RPD
8280454	7196_CR6								
	J16VJ1								
	KX8X41AA	HEXCHROME	8.50E-01 +- 0.00E+00		mg/kg	N/A	3.50E-01	3.50E-01	
	KX8X41AE	HEXCHROME	3.50E-01 +- 0.00E+00	U	mg/kg	N/A	3.50E-01	3.50E-01	83.3

No. of Results: 2

TestAmerica
rptSTLRchSaSum
mary2 V5.1.8
A2002

RPD - Relative Percent Difference.

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.

QC Results Summary

Date: 21-Oct-08

TestAmerica TARL

Ordered by Method, Batch No, QC Type,.

Report No. : 40009

SDG No.: J00202

Batch	Work Order	Parameter	Result +- Uncertainty (2s)	Qual	Units	Tracer Yield	LCS Recovery	Bias	MDC MDA
7196_CR6	8280454	MATRIX SPIKE, J16VJ1							
	KX8X41AC	HEXCHROME	9.37E+00 +- 0.00E+00		mg/kg	N/A	83%	-0.2	3.50E-01
	8280454	LCS,							
	KX89C1AC	HEXCHROME	2.00E+01 +- 0.00E+00		mg/kg	N/A	100%	0.0	3.50E-01
	8280454	BLANK QC,							
	KX89C1AA	HEXCHROME	3.50E-01 +- 0.00E+00	U	mg/kg	N/A			3.50E-01
No. of Results: 3									

TestAmerica Bias - (Result/Expected)-1 as defined by ANSI N13.30.
 rptSTLRchQcSummary V5.1.8 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

Date: 21-Oct-08

SAMPLE RESULTS

Lab Name: TestAmerica
 Lot-Sample No.: J8J060170-1
 Client Sample ID: J16VJ1

SDG: J00202
 Report No. : 40009
 COC No. : RC-030-083

Collection Date: 10/6/2008 8:15:00 AM
 Received Date: 10/6/2008 11:10:00 AM
 Matrix: OTHER SOLI OTHERSOLID

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: 8280454	7196_CR6				Work Order: KX8X41AA		Report DB ID: 9KX8X410					
HEXCHROME	8.50E-01			0.0E+00	3.50E-01	mg/kg	N/A	(2.4)	10/6/08		2.5	
							3.50E-01	N/A			G	

No. of Results: 1 Comments:

FORM II

Date: 21-Oct-08

DUPLICATE RESULTS

Lab Name: TestAmerica
 Lot-Sample No.: J8J060170-1
 Client Sample ID: J16VJ1

SDG: J00202
 Report No. : 40009
 COC No. : RC-030-083

Collection Date: 10/6/2008 8:15:00 AM
 Received Date: 10/6/2008 11:10:00 AM
 Matrix: OTHER SOLI OTHERSOLID

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	Allquot Size	Primary Detector
Batch: 8280454	7196_CR6				Work Order: KX8X41AE	Report DB ID: KX8X41ER			Orig Sa DB ID: 9KX8X410			
HEXCHROME	3.50E-01	U		0.0E+00	3.50E-01	mg/kg	N/A	(1.)	10/6/08		2.5	
	8.50E-01			RPD 83.3		3.50E-01		N/A			G	

No. of Results: 1 Comments:

TestAmerica RPD - Relative Percent Difference.
 rptSTLRchDupV5.1 MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
 .8 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 II
BLANK RESULTS

Date: 21-Oct-08

Lab Name: TestAmerica
Matrix: OTHER SOLID

SDG: J00202
Report No. : 40009

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: 8280454	7196_CR6				Work Order: KX89C1AA			Report DB ID: KX89C1AB				
HEXCHROME	3.50E-01	U		0.0E+00	3.50E-01	mg/kg	N/A	(1.)	10/6/08		2.5	
						3.50E-01		N/A			G	
No. of Results: 1			Comments:									

FORM II
LCS RESULTS

Date: 21-Oct-08

Lab Name: TestAmerica
Matrix: OTHER SOLID

SDG: J00202
Report No. : 40009

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: 8280454	7196_CR6												
						Work Order: KX89C1AC							
HEXCHROME	2.00E+01			0.0E+00	3.50E-01	mg/kg	N/A	2.00E+01		100%	10/6/08	2.5	
							Rec Limits:	80	120	0.0		G	
No. of Results:	1	Comments:											

FORM II
MATRIX SPIKE RESULTS

Date: 21-Oct-08

Lab Name: TestAmerica

SDG: J00202

Lot-Sample No.: J8J060170-1, J16VJ1

Report No. : 40009

Matrix: OTHER SOLI OTHERSOLID

Parameter	SpikeResult, Orig Rst	Qual	Count 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: 8280454	Work Order: KX8X41AC		Report DB ID: KX8X41CW		Orig Sa DB ID: 9KX8X410							
HEXCHROME	9.37E+00			0.0E+00	3.50E-01	mg/kg	N/A	82.85%	1.13E+01	10/6/08	2.5	7196_CR6
	8.50E-01										G	

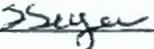
Number of Results: 1

Comments:

Batch Number(s): 8280454				
Lab Sample Numbers or SDG:				
Method/Test/Parameter: Cr+6 in SOLID / RL-WC-004				
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: 
 Second-Level Review: 

Date: 10/7/08
 Date: 10/21/08

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST					RC-030-083		Page 2 of 2		
Collector <i>ENTERINGTON</i>		Company Contact Matt Perrott		Telephone No. 372-9088		Project Coordinator KESSNER, JH		Price Code 9C		Data Turnaround 15 Days	
Project Designation Remaining Sites Confirmation Sampling - Other Solid		Sampling Location <i>100-14-28-2</i>			SAF No. RC-030						
Ice Chest No.		Field Logbook No. EL-1601-2		COA <i>CO0428A000</i>		Method of Shipment					
Shipped To TestAmerica Incorporated, Richland		Offsite Property No.			Bill of Lading/Air Bill No.						
POSSIBLE SAMPLE HAZARDS/REMARKS				Preservation		Cool 4C					
Special Handling and/or Storage <i>J85060170</i> <i>J00200</i> <i>Due 10/22/08</i> <i>21</i> <i>SKS 10/6/08</i>				Type of Container		G/P					
				No. of Container(s)		1					
				Volume		60mL					
SAMPLE ANALYSIS				Chromium Hex - 7196							
Sample No.		Matrix *	Sample Date	Sample Time							
J16VJ0 <i>31 10/6/08</i>		OTHER SOLID									
J16VJ1		OTHER SOLID	<i>10/6/08</i>	<i>08:5</i>	<i>X</i>					<i>KX8X4</i>	
J16VJ2		OTHER SOLID									
J16VJ3		OTHER SOLID									
J16VJ4 <i>Pat 10/6/08</i>		OTHER SOLID									
CHAIN OF POSSESSION				Sign/Print Names				SPECIAL INSTRUCTIONS			
Relinquished By/Removed From <i>Tommy ENTERINGTON</i>		Date/Time <i>10-6-08 1030</i>		Received By/Stored In <i>J. E. Bernhart</i>		Date/Time <i>10-6-08</i>					
Relinquished By/Removed From <i>J. E. Bernhart</i>		Date/Time <i>10-6-08</i>		Received By/Stored In <i>J. E. Bernhart</i>		Date/Time <i>11/0</i>					
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					
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time		Matrix * S=Sediment SO=Solid Sl=Sludge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Truss W=Wipe L=Liquid V=Vegetation X=Other			
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					
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time					
LABORATORY SECTION	Received By			Title			Date/Time				
FINAL SAMPLE DISPOSITION	Disposal Method			Disposed By			Date/Time				



Sample Check-in List

Date/Time Received: 10608 1110 GM Screen Result 0.1K
 Client: WCH SDG #: J00202 NA [] SAF #: RC-030 NA []
 Work Order Number: J8J060170 Chain of Custody # RC-030-083
 Shipping Container ID: _____ Air Bill # _____

1. Custody Seals on shipping container intact? NA [] Yes [X] No []
2. Custody Seals dated and signed? NA [] Yes [X] No []
3. Chain of Custody record present? NA [] Yes [X] No []
4. Cooler Temperature: _____ NA [X]
5. Vermiculite/packing materials is NA [X] Wet [] Dry []
6. Number of samples in shipping container: 1
7. Sample holding times exceeded? NA [X] Yes [] No []
8. Samples have:
 _____ Tape
 _____ Custody Seals
 _____ Hazard Labels
 _____ Appropriate Sample Labels
9. Samples are:
 _____ In Good Condition
 _____ Broken
 _____ Leaking
 _____ Have Air Bubbles
 (Only for samples requiring no head space.)
10. Sample pH taken? NA [X] 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 [X]
13. Description of anomalies (include sample numbers): _____

OTHER SOLID

Sample Custodian: [Signature] Date: 10608

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

10/6/2008 3:12:31 PM

Sample Preparation/Analysis

Balance Id:

127642. Washington Closure Hanford LLC
Bechtel Hanford, Inc.

DW Alkaline Digestion by method 3060A
EA Chromium, Hexavalent (7196A)
SI CLIENT: HANFORD

Pipet #:

AnalyDueDate: 10/20/2008

Sep1 DT/Tm Tech:

Batch: 8280454 OTHER SOLID mg/kg
SEQ Batch, Test: None All Tests: 8280454 DWEA,

PM, Quote: SS , 27038

Sep2 DT/Tm Tech:

Prep Tech:



Work Order, Lot, Sample Date/Time	Total Amt/Unit	Initial Aliquot Amt/Unit	QC Tracer Prep Date	Dish Size	Ppt or Geometry	Count Time Min	Detector Id	Count On Off (24hr) Circle	CR Analyst, Init/Date	Comments:
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1 KX8X4-1-AA										
J8J060170-1-SAMP										
2.005										
10/06/2008 08:15 AmtRec: JAR60MLG #Containers: 1 Scr: Alpha: Beta:										

2 KX8X4-1-AC-S										
J8J060170-1-MS										
2.5414										
10/06/2008 08:15 AmtRec: JAR60MLG #Containers: 1 Scr: Alpha: Beta:										

3 KX8X4-1-AD-D										
J8J060170-1-MSD <i>PG604</i>										
11.5 2.5002										
10/06/2008 08:15 AmtRec: JAR60MLG #Containers: 1 Scr: Alpha: Beta:										

4 KX8X4-1-AE-X										
J8J060170-1-DUP										
2.5047										
10/06/2008 08:15 AmtRec: JAR60MLG #Containers: 1 Scr: Alpha: Beta:										

5 KX89C-1-AA-B										
J8J060000-454-BLK										
10/06/2008 08:15 AmtRec: #Containers: 1 Scr: Alpha: Beta:										

6 KX89C-1-AC-C										
J8J060000-454-LCS										
10/06/2008 08:15 AmtRec: #Containers: 1 Scr: Alpha: Beta:										

TESTAMERICA LABORATORIES, INC

10/6/2008 3:12:31 PM

Sample Preparation/Analysis

Balance Id: _____

DW Alkaline Digestion by method 3060A
 EA Chromium, Hexavalent (7196A)
 SI CLIENT: HANFORD

Pipet #: _____

AnalyDueDate: 10/20/2008

Sep1 DT/Tm Tech: _____

Batch: 8280454 mg/kg
 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	Dish Size	Ppt or Geometry	Count Time Min	Detector Id	Count On Off (24hr) Circle	CR Analyst, Init/Date	Comments:
--------------------------------------	-------------------	-----------------------------	------------------------	--------------	--------------------	-------------------	----------------	---------------------------------	--------------------------	-----------

Comments:

All Clients for Batch:
 127642, Washington Closure Hanford LLC Bechtel Hanford, Inc. , SS , 27038

KX8X41AA-SAMP Constituent List:

KX8X41AC-MS Constituent List:

KX8X41AD-MSD:

KX89C1AA-BLK:

KX89C1AC-LCS:

KX8X41AA-SAMP Calc Info:

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

KX8X41AC-MS Calc Info:

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

KX8X41AD-MSD:

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

KX89C1AA-BLK:

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

KX89C1AC-LCS:

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

Approved By _____ Date: _____

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