

0078791

**SAF-RC-030**  
**Remaining Sites Confirmation Sampling -**  
**Other Solid**  
**FINAL DATA PACKAGE**

**COMPLETE COPY OF DATA PACKAGE TO:**

Kathy Wendt H4-21

KW 9/17/08  
INITIAL/DATE

**COMMENTS:**

**SDG J00195**

**SAF-RC-030**

Rad only

Chem only

Rad & Chem

Complete

Partial

**Waste Site: 100-D-78**

**RECEIVED**  
SEP 29 2008  
**EDMC**



## Certificate of Analysis

Washington Hanford Closure  
2620 Fermi Avenue  
Richland, WA 99354

September 16, 2008

Attention: Joan Kessner

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SAF Number	:	RC-030
Date SDG Closed	:	September 15, 2008
Number of Samples	:	One (1)
Sample Type	:	Other Solid
SDG Number	:	J00195
Data Deliverable	:	15-Day / Summary

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### CASE NARRATIVE

#### I. Introduction

On September 15, 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>TALR ID#</u>	<u>MATRIX</u>	<u>DATE OF RECEIPT</u>
J17FM5	KWXAQ	OTHER SOLID	9/15/08

#### 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

Washington Closure Hanford  
September 16, 2008

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#### 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

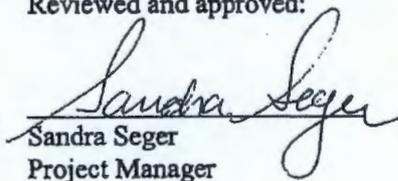
##### Hexavalent Chromium by EPA method 7196A:

When colorizing sample J17FM5 and the insoluble spike for J17FM5, a white precipitation formed. Due to the precipitation, results were not obtainable. The blank and LCS were acceptable therefore the samples were analyzed correctly.

On 9/16/08 the client called and requested TestAmerica to analyze a pH on this sample. TestAmerica informed the client that the sample was similar to a rock. The client instructions were to dampen a pH strip with DI water, then hold the pH strip against the sample. TestAmerica followed these instructions. There was no change to the pH strip. The client was informed by email on 9/16/08 that the pH could not be determined.

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

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-030-092		Page 1 of 2	
Collector C. Martinez		Company Contact H. Sulloway		Telephone No. 372-9363		Project Coordinator KESSNER, JH		Price Code 9C Data Turnaround 15 Days	
Project Designation Remaining Sites Confirmation Sampling - Other Solid		Sampling Location 100-D-78		SAF No. RC-030					
Ice Chest No.		Field Logbook No. EL-1601-2		COA 010D78A000		Method of Shipment Government Vehicle			
Shipped To TestAmerica Incorporated, Richland		Offsite Property No. N/A		Bill of Lading/Air Bill No. N/A					
POSSIBLE SAMPLE HAZARDS/REMARKS None		Preservation Cool 4C							
Special Handling and/or Storage COOL 4 Degrees C		Type of Container G/P							
		No. of Container(s) 1							
		Volume 125mL							
		Chromium Hex - 7196							
SAMPLE ANALYSIS									
Sample No.		Matrix *		Sample Date		Sample Time			
<del>J17FM4</del>		OTHER SOLID		9/11/08		1210		KWXAQ	
J17FM5		OTHER SOLID		9/15/08		0926			
J17FM6		OTHER SOLID							
J17FM7		OTHER SOLID							
J17FM8		OTHER SOLID							
CHAIN OF POSSESSION				SPECIAL INSTRUCTIONS				Matrix *	
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
<del>David W. Sher</del>		9-15-08 1220		David W. Sher		9/15/08 1220			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
David W. Sher		9/15/08 1303		David W. Sher		9/15/08 1303			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
<del>David W. Sher</del>		9/15/08 1430		D. Am. Th		09-15-08 1430			
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	

15 day



### Sample Check-in List

Date/Time Received: 09.15.08 1430 GM Screen Result .07

Client: WCH SDG #: J00199 NA [ ] SAF #: RC-030 NA [ ]

Work Order Number: J8I150170 Chain of Custody #: RC-030-092

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: \_\_\_\_\_ 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: \_\_\_\_\_ Hazard Labels  
 \_\_\_\_\_ Tape \_\_\_\_\_ Appropriate Sample Labels  
 \_\_\_\_\_ Custody Seals
- 9. Samples are: \_\_\_\_\_ Leaking  
 \_\_\_\_\_ In Good Condition \_\_\_\_\_ Have Air Bubbles  
 \_\_\_\_\_ Broken (Only for samples requiring no head space.)
- 10. Sample pH taken? NA  pH<2 [ ] pH>2 [ ] pH>9 [ ] Amount HNO<sub>3</sub> 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: 09.15.08

Client Sample ID	Analysis Requested	Condition	Comments/Action

Client Informed on \_\_\_\_\_ by \_\_\_\_\_ Person Contacted \_\_\_\_\_

[ ] No action necessary; process as is.

Project Manager \_\_\_\_\_ Date \_\_\_\_\_