

0076348

**SAF-RC-102**  
**618-7 Burial Ground - Filter**  
**FINAL DATA PACKAGE**

**COMPLETE COPY OF DATA PACKAGE TO:**

Kathy Wendt H4-21

KW 2/5/08  
Initials/Date

**RECEIVED**  
FEB 26 2008

**EDMC**

**COMMENTS:**

**MA00310**

**SAF-RC-102**

Rad only

Chem only

Rad & Chem

Complete

Partial

**WASTE SITE: 618-7 Burial Ground – Air Monitors**



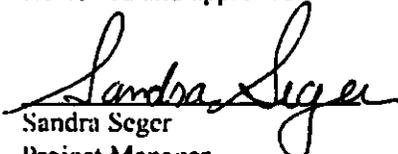
**Cover Sheet**

Sample Date: January 30, 2008  
Receipt Date: January 31, 2008  
Reporting Date: February 5, 2008  
SDG #: MA00310  
SAF#: RC-102  
Data Deliverable: 3 Day Turn

Customer Sample Number	Laboratory Sample Number	Analytical Batch Identification	Sample Matrix
J168R4	KGD4V	8035224	OTHER SOLID
J168R5	KGD47	8035224	OTHER SOLID
J168R6	KGD5E	8035224	OTHER SOLID
J168R7	KGD5K	8035224	OTHER SOLID
J168Y3	KGD5L	8035224	OTHER SOLID

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

## Case Narrative

### I. Introduction

On January 31, 2008 five samples were received at TestAmerica Richland for ICP metals analysis.

### 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:

**ICP Metals**  
**ICP Metals by method SW-846 6010B**

### IV. Quality Control

SDG MA00310 includes a minimum of one method (reagent) blank and one laboratory control sample (LCS). Any exceptions have been noted in the "Comments" section.

### V. Comments

#### **ICP Metals**

#### **ICP Metals by method SW-846 6010B**

The method blank, LCS and sample results are within contractual limits.

## Results

Customer Sample Number	Laboratory Sample Number	Date Analyzed	Beryllium ug/sample
J168R4	KGD4V	2/04/08	<0.01
J168R5	KGD47	2/04/08	<0.01
J168R6	KGD5E	2/04/08	<0.01
J168R7	KGD5K	2/04/08	0.015
J168Y3	KGD5L	2/04/08	<0.01
MDL			0.01

## QC Summary

QC Sample ID	QC Type	Analyte	Units	Results	Parent Result	Target	Percent Recovery	Relative Percent Diff
KF1EH-MB	MB	Bc	mg/L	<0.0002	N/A	N/A	N/A	N/A
KF1EH-LCS	LCS	Bc	mg/L	0.99	N/A	1.00	99%	N/A
KF1EH-LCSD	LCSD	Bc	mg/L	0.99	0.99	1.00	99%	0%

MB – Method Blank

LCS – Laboratory Control Sample

LCSD – Laboratory Control Sample Duplicate

\* -- See notes in Comments Section

ND -- Not Detected

TEST AMERICA RICHLAND

<b>Washington Closure Hanford</b>		<b>CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST</b>				RC-102-005	Page 1 of 1														
Collector B. Lawrence / R. Kerkow		Company Contact Joan Kesner		Telephone No. 509-375-4688		Price Code 3C	Data Turnaround Calendar D:														
Project Designation 618-7 Burial Ground - Filter		Sampling Location 618-7 Burial Ground - Air Monitors		Project Coordinator KESNER, JH																	
Ice Chest No. ERC-20-04		Field Logbook No. EL-1395-12		COA RG61872600		Method of Shipment Government Vehicle															
Shipped To Test America Richland (Formerly Severn Trent)		Offsite Property No. N/A		Bill of Lading/Air Bill No. N/A																	
POSSIBLE SAMPLE HAZARDS/REMARKS  Special Handling and/or Storage None				Preservation	None																
				Type of Container	Filter																
				No. of Container(s)	1																
				Volume	1ea.																
SAMPLE ANALYSIS				Metal - Be (Beryllium)																	
Sample No.	Matrix *	Sample Date	Sample Time																		
J168R4	OTHER SOLID	1-30-08	1534	X																	
J168R5	OTHER SOLID	1-30-08	1538	X																	
J168R6	OTHER SOLID	1-30-08	1541	X																	
J168R7	OTHER SOLID	1-30-08	1545	X																	
J168Y3	OTHER SOLID	1-30-08	1549	X																	
CHAIN OF POSSESSION				Sign/Print Names		SPECIAL INSTRUCTIONS				Matrix *											
Relinquished By/Removed From BLAWITNE TALLO		Date/Time 0925		Received By/Stored In RB KERKOW / RAKUK		Date/Time 0925		J8A310234 MA00310 DUE 2-4-08				S=Soil SE=Soil/Elemental SO=S.Oil SW=Water W=Water O=Oil A=Air D3=Other Solid DL=Other Liquid T=Trace W=Wyc L=Liquid V=Vegetation X=Other									
Relinquished By/Removed From RB KERKOW / RAKUK		Date/Time 1325		Received By/Stored In KIP LILANE TALLO		Date/Time 1325															
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 DUE 2-4-08

Date/Time Received: 1-31-08 GM Screen Result 0.1K

Client: WCH SDG#: MA00310 NA [ ] SAF#: RC-102 NA [ ]

Work Order Number: J8A310234 Chain of Custody # RC-102-005

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: 5
- 7. Sample holding times exceeded? NA  Yes [ ] No [ ]
- 8. Samples have:
  - Tape \_\_\_\_\_ Hazard Labels
  - Custody Seals \_\_\_\_\_ Appropriate Sample Labels
- 9. Samples are:
  - In Good Condition \_\_\_\_\_ Leaking
  - Broken \_\_\_\_\_ Have Air Bubbles
 (Only for samples requiring no head space.)
- 10. Sample pH taken? <sup>FLT</sup> 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: 1-31-08

Client Sample ID	Analysis Requested	Condition	Comments/Action

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

[ ] No action necessary; process as is.

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