

**SAF-RC-155**  
**618-10 & 618-11 Field Remediation –**  
**Other**  
**FINAL DATA PACKAGE**

**COMPLETE COPY OF DATA PACKAGE TO:**

No Distribution Required

KW 3/8/16  
INITIAL/DATE

**COMMENTS:**

**SDG JP1033**

**SAF-RC-155**

Rad only

Chem only

Rad & Chem

Complete

Partial

**Sample Location: 618-10 (waterworks experiment)**

## ANALYTICAL REPORT

Job Number: 280-80295-1

SDG Number: JP1033

Job Description: SAF# RC-155

For:

Washington Closure Hanford  
2620 Fermi Avenue  
Richland, WA 99354

Attention: Joan H Kessner



Approved for release.  
Kae E Yoder  
Senior Project Manager  
3/7/2016 9:52 AM

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Kae E Yoder, Senior Project Manager  
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03/07/2016

The test results in this report relate only to the samples in this report and meet all requirements of NELAP, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is 4025.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

**TestAmerica Laboratories, Inc.**

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## CASE NARRATIVE

**Client: Washington Closure Hanford**

**Project: WASHINGTON CLOSURE HANFORD**

**Report Number: 280-80295-1**

**SDG #: JP1033**

**SAF#: RC-155**

**Date SDG Closed: March 2, 2016**  
**Data Deliverable: 7 Day / Summary**

<u>CLIENT ID</u>	<u>LAB ID</u>	<u>ANALYSES REQUESTED</u>	<u>ANALYSES PERFORMED</u>
J1V8D5	280-80295-1	9095A	9095A
J1V8D6	280-80295-1	9095A	9095A
J1V8D7	280-80295-1	9095A	9095A
J1V8D8	280-80295-1	9095A	9095A
J1V8D9	280-80295-1	9095A	9095A

I certify that this data package is in compliance with the SOW, both technically and for completeness, for other than the conditions detailed in this Case Narrative. 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 signature on the Report Cover.

With exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. All laboratory quality control samples analyzed in conjunction with the samples in this project were within established control limits, with any exceptions noted. Calculations are performed before rounding to avoid round-off errors in calculated results.

This report includes reporting limits (RLs) less than TestAmerica Denver's practical quantitation limits. These reporting limits are being used specifically at the client's request to meet the needs of this project. Please note that data are not normally reported to these levels without qualification, since they are inherently less reliable and potentially less defensible than required by the current NELAC standards.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

### RECEIPT

The samples were received on 3/2/2016 9:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.5° C.

### GENERAL CHEMISTRY - SW846 9095A - PAINT FILTER

No anomalies were encountered.

## DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description
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## SAMPLE SUMMARY

Client: Washington Closure Hanford

Job Number: 280-80295-1

Sdg Number: JP1033

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Client Matrix</b>	<b>Date/Time Sampled</b>	<b>Date/Time Received</b>
280-80295-1	J1V8D5	Solid	02/29/2016 0940	03/02/2016 0940
280-80295-2	J1V8D6	Solid	02/29/2016 0945	03/02/2016 0940
280-80295-3	J1V8D7	Solid	02/29/2016 0950	03/02/2016 0940
280-80295-4	J1V8D8	Solid	02/29/2016 1000	03/02/2016 0940
280-80295-5	J1V8D9	Solid	02/29/2016 1005	03/02/2016 0940

## METHOD SUMMARY

Client: Washington Closure Hanford

Job Number: 280-80295-1  
Sdg Number: JP1033

<b>Description</b>	<b>Lab Location</b>	<b>Method</b>	<b>Preparation Method</b>
<b>Matrix: Solid</b>			
Paint Filter	TAL DEN	SW846 9095A	

### Lab References:

TAL DEN = TestAmerica Denver

### Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

## METHOD / ANALYST SUMMARY

Client: Washington Closure Hanford

Job Number: 280-80295-1

Sdg Number: JP1033

<b>Method</b>	<b>Analyst</b>	<b>Analyst ID</b>
SW846 9095A	Martinez, Rut S	RSM

# **SAMPLE RESULTS**

## Analytical Data

Client: Washington Closure Hanford

Job Number: 280-80295-1  
Sdg Number: JP1033

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### General Chemistry

**Client Sample ID:** J1V8D5

Lab Sample ID: 280-80295-1  
Client Matrix: Solid

Date Sampled: 02/29/2016 0940  
Date Received: 03/02/2016 0940

Analyte	Result	Qual	Units	Dil	Method
Paint Filter	no		mg/L	1.0	9095A
Analysis Batch: 280-315602 Analysis Date: 03/02/2016 1919				DryWt Corrected: N	

## Analytical Data

Client: Washington Closure Hanford

Job Number: 280-80295-1  
Sdg Number: JP1033

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### General Chemistry

**Client Sample ID:** J1V8D6

Lab Sample ID: 280-80295-2

Client Matrix: Solid

Date Sampled: 02/29/2016 0945

Date Received: 03/02/2016 0940

Analyte	Result	Qual	Units	Dil	Method
Paint Filter	no		mg/L	1.0	9095A
Analysis Batch: 280-315602 Analysis Date: 03/02/2016 1919				DryWt Corrected: N	

## Analytical Data

Client: Washington Closure Hanford

Job Number: 280-80295-1  
Sdg Number: JP1033

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### General Chemistry

**Client Sample ID:** J1V8D7

Lab Sample ID: 280-80295-3

Client Matrix: Solid

Date Sampled: 02/29/2016 0950

Date Received: 03/02/2016 0940

Analyte	Result	Qual	Units	Dil	Method
Paint Filter	no		mg/L	1.0	9095A
Analysis Batch: 280-315602 Analysis Date: 03/02/2016 1919				DryWt Corrected: N	

# Analytical Data

Client: Washington Closure Hanford

Job Number: 280-80295-1  
Sdg Number: JP1033

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## General Chemistry

**Client Sample ID:** J1V8D8

Lab Sample ID: 280-80295-4  
Client Matrix: Solid

Date Sampled: 02/29/2016 1000  
Date Received: 03/02/2016 0940

Analyte	Result	Qual	Units	Dil	Method
Paint Filter	no		mg/L	1.0	9095A
Analysis Batch: 280-315602 Analysis Date: 03/02/2016 1919				DryWt Corrected: N	

## Analytical Data

Client: Washington Closure Hanford

Job Number: 280-80295-1  
Sdg Number: JP1033

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### General Chemistry

**Client Sample ID:** J1V8D9

Lab Sample ID: 280-80295-5

Client Matrix: Solid

Date Sampled: 02/29/2016 1005

Date Received: 03/02/2016 0940

Analyte	Result	Qual	Units	Dil	Method
Paint Filter	no		mg/L	1.0	9095A
Analysis Batch: 280-315602 Analysis Date: 03/02/2016 1919				DryWt Corrected: N	

# QUALITY CONTROL RESULTS

# Quality Control Results

Client: Washington Closure Hanford

Job Number: 280-80295-1  
Sdg Number: JP1033

**Duplicate - Batch: 280-315602**

**Method: 9095A**  
**Preparation: N/A**

Lab Sample ID:	280-80295-1	Analysis Batch:	280-315602	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	03/02/2016 1919	Units:	mg/L	Final Weight/Volume:	100.36 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Paint Filter	no	no	NC		

# Quality Control Results

Client: Washington Closure Hanford

Job Number: 280-80295-1

Sdg Number: JP1033

## QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>General Chemistry</b>					
<b>Analysis Batch:280-315602</b>					
280-80295-1	J1V8D5	T	Solid	9095A	
280-80295-1DU	Duplicate	T	Solid	9095A	
280-80295-2	J1V8D6	T	Solid	9095A	
280-80295-3	J1V8D7	T	Solid	9095A	
280-80295-4	J1V8D8	T	Solid	9095A	
280-80295-5	J1V8D9	T	Solid	9095A	

### Report Basis

T = Total



\*90 w/permission

Project 28002142

Temp: 2.7 IR#: 7  
C.F.: -0.2 Initials: RP  
Date: 03/02/16

Report Due: 3/9/2016 } 0.2  
TALs TAT: 5-Day RUSH } 3-2-16

**Sample Check-in List**

Date/Time Received: 03/02/16 0940 GM Screen Result 12 microR/hr

Client: Washington Closure Hanford SDG #: JPI033 NA [ ] SAF #: RC-155 NA [ ]

Job Number: 80295 Chain of Custody # RC-155-209

Shipping Container ID: WCH-11-033 Air Bill # 7757-7266-0291

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 °C: 2.5 NA [ ] 5. Vermiculite/packing materials is NA [ ] Wet [ ]  Dry [ ]
6. Number of samples in shipping container: 7
7. Sample holding times exceeded? NA [ ] 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 [ ] pH<2 [ ] pH>2 [ ] pH>9 [ ] Amount HNO<sub>3</sub> Added NA
11. Sample Location, Sample Collector Listed? \* Yes  
\*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: Joshua True Date: 03/02/16

Client Sample ID	Analysis Requested	Condition	Comments/Action

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

[ ] No action necessary; process as is.

Project Manager Darlene Bandy Date 3-2-16

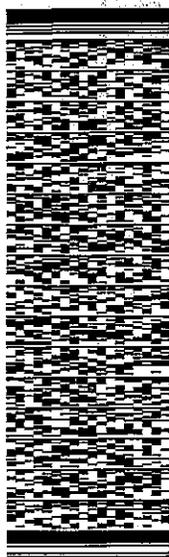
ORIGIN: PSCA (509) 376-7492  
1162 SHIPPING  
US DOE CO WCH  
2365 STEVENS DR  
RICHLAND, WA 99354  
UNITED STATES US

SHIP DATE: 01MAR16  
ACTWGT: 51.00 LB  
CAD: 105265502INET3730  
BILL THIRD PARTY

TO KAE YODER  
TESTAMERICA  
4955 YARROW ST.

ARVADA CO 80002

(303) 736-0190 REF: R618102F20  
NV: DEPT:



J161016023301uv

540J1JCF3A727F

TRK# 7757 7266 0291  
0201

WED - 02 MAR 10:30A  
PRIORITY OVERNIGHT

XHWHHA

80002  
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