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

COMPLETE COPY OF DATA PACKAGE TO:

No Distribution Required KW 11/5/15
INITIAL/DATE

COMMENTS:

SDG JP1013 SAF-RC-155

Rad only ☑ Chem only Rad & Chem

☑ Complete Partial

Sample Location: 618-10 concrete drums/grout batches, GR-250C

ANALYTICAL REPORT

Job Number: 280-76179-1

SDG Number: JP1013

Job Description: SAF# RC-155

For:
Washington Closure Hanford
2620 Fermi Avenue
Richland, WA 99354

Attention: Joan H Kessner

Approved for release.
Darlene F Bandy
Project Management Assistant I
11/4/2015 5:27 PM

Designee for
Kae E Yoder, Senior Project Manager
4955 Yarrow Street, Arvada, CO, 80002
(303)736-0190
kae.yoder@testamericainc.com
11/04/2015

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, 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.

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CASE NARRATIVE

Client: Washington Closure Hanford

Project: WASHINGTON CLOSURE HANFORD

Job Number: 280-76179-1

SDG #: JP1013
SAF#: RC-155

Date SDG Closed: October 30, 2015
Data Deliverable: 3 Day / Summary

CLIENT ID	LAB ID	ANALYSES REQUESTED	ANALYSES PERFORMED
J1V876	280-76179-1	1311-6010-7470	1311-6010B-7470A

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.

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 sample was received on 10/30/2015 9:40 AM; the sample arrived intact, but at an elevated temperature of 12.0º C. No ice was present in the cooler. The client was notified on 10/30/2015.

TCLP METALS - SW846 1311/6010B/7470A
Sodium was recovered outside the control limits, biased high, in the LCS associated with batch 280-302367, and the associated sample result has been flagged “N”. In addition, Sodium is present at a level greater than the reporting limit in the method blank associated with batch 280-302367. The reagent used to make the blank fluid for this TCLP extraction contains Sodium; therefore, data are reported.

Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. Due to high constituent concentration, sample J1V876 required a dilution prior to the analysis of Mercury. The reporting limit has been adjusted relative to the dilution required.

Low levels of Barium and Mercury are present in the method blanks associated with batches 280-302367 and 302376, respectively. Because the concentrations in the method blanks are not present at levels greater than half the reporting limit, corrective action is deemed unnecessary.

It can be noted that the sample amount was greater than four times the spike amount for Sodium in the Matrix Spike performed on sample J1V876; therefore, control limits are not applicable.

Mercury was recovered outside the control limits in the Matrix Spike performed on sample J1V876, and the associated sample result has been flagged “N”. There is no indication that the analytical system was operating out of control, and method accuracy has been verified by the acceptable LCS analysis data; therefore, corrective action is deemed unnecessary.

A Continuing Calibration Verification (CCV) standard associated with analytical batch 280-302495 exhibited %Difference (%D) values >10%, biased high, for Zinc. This is an indicator that data may be biased high. As no detectable concentration of this constituent is present in the associated sample, corrective action is deemed unnecessary.

No other anomalies were encountered.

DATA REPORTING QUALIFIERS

Client: Washington Closure Hanford

Job Number: 280-76179-1
Sdg Number: JP1013

Lab Section	Qualifier	Description
Metals		
	U	Analyzed for but not detected.
	B	Estimated result. Result is less than the RL, but greater than MDL
	4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
	N	Recovery exceeds upper or lower control limits
	C	The analyte was detected in both the sample and the assoicated QC blank, and the sample concentration was </= 5X the blank concentration.

SAMPLE SUMMARY

Client: Washington Closure Hanford

Job Number: 280-76179-1
Sdg Number: JP1013

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-76179-1	J1V876	Solid	10/28/2015 0815	10/30/2015 0940

METHOD SUMMARY

Client: Washington Closure Hanford

Job Number: 280-76179-1
Sdg Number: JP1013

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
TCLP Metals (ICP)	TAL DEN	SW846 6010B	
TCLP Extraction	TAL DEN		SW846 1311
Preparation, Total Metals	TAL DEN		SW846 3010A
TCLP Mercury	TAL DEN	SW846 7470A	
TCLP Extraction	TAL DEN		SW846 1311
Preparation, Mercury	TAL DEN		SW846 7470A

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: 280-76179-1
Sdg Number: JP1013

Method	Analyst	Analyst ID
SW846 6010B	Scott, Samantha J	SJS
SW846 7470A	Kelly, Cara M	CMK

SAMPLE RESULTS

Client: Washington Closure Hanford

Job Number: 280-76179-1
Sdg Number: JP1013

Client Sample ID: **J1V876**

Lab Sample ID: 280-76179-1
Client Matrix: Solid

Date Sampled: 10/28/2015 0815
Date Received: 10/30/2015 0940

6010B TCLP Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	280-302495	Instrument ID:	MT_026
Prep Method:	3010A	Prep Batch:	280-302367	Lab File ID:	26a110315c.asc
Dilution:	1.0	Leach Batch:	280-302193	Initial Weight/Volume:	10 mL
Analysis Date:	11/03/2015 2313			Final Weight/Volume:	50 mL
Prep Date:	11/03/2015 1710				
Leach Date:	11/02/2015 1700				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Aluminum		0.92	B	0.090	10.0
Antimony		0.016	U	0.016	0.20
Arsenic		0.022	U	0.022	0.50
Barium		3.3		0.0020	1.0
Beryllium		0.0020	U	0.0020	0.030
Cadmium		0.0020	U	0.0020	0.10
Chromium		0.10	B	0.0030	0.50
Lead		0.013	U	0.013	0.50
Nickel		0.0060	U	0.0060	0.40
Selenium		0.024	U	0.024	0.10
Silver		0.0040	U	0.0040	0.50
Sodium		1690	C N	0.46	50.0
Thallium		0.024	U	0.024	0.10
Vanadium		0.0060	U	0.0060	0.10
Zinc		0.022	U	0.022	2.0

7470A TCLP Mercury-TCLP

Analysis Method:	7470A	Analysis Batch:	280-302523	Instrument ID:	MT_033
Prep Method:	7470A	Prep Batch:	280-302376	Lab File ID:	151104aa.txt
Dilution:	2.0	Leach Batch:	280-302193	Initial Weight/Volume:	30 mL
Analysis Date:	11/04/2015 1111			Final Weight/Volume:	50 mL
Prep Date:	11/03/2015 1715				
Leach Date:	11/02/2015 1700				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		0.0079	N	0.000060	0.0040

QUALITY CONTROL RESULTS

Client: Washington Closure Hanford

Job Number: 280-76179-1
Sdg Number: JP1013

TCLP SPLPE Leachate Blank - Batch: 280-302367

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID:	LB 280-302193/1-B	Analysis Batch:	280-302495	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-302367	Lab File ID:	26a110315c.asc
Dilution:	1.0	Leach Batch:	280-302193	Initial Weight/Volume:	10 mL
Analysis Date:	11/03/2015 2308	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	11/03/2015 1710				
Leach Date:	11/02/2015 1700				

Analyte	Result	Qual	MDL	RL
Aluminum	0.090	U	0.090	10.0
Antimony	0.016	U	0.016	0.20
Arsenic	0.022	U	0.022	0.50
Barium	0.00245	B	0.0020	1.0
Beryllium	0.0020	U	0.0020	0.030
Cadmium	0.0020	U	0.0020	0.10
Chromium	0.0030	U	0.0030	0.50
Lead	0.013	U	0.013	0.50
Nickel	0.0060	U	0.0060	0.40
Selenium	0.024	U	0.024	0.10
Silver	0.0040	U	0.0040	0.50
Sodium	1735		0.46	50.0
Thallium	0.024	U	0.024	0.10
Vanadium	0.0060	U	0.0060	0.10
Zinc	0.022	U	0.022	2.0

Lab Control Sample - Batch: 280-302367

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID:	LCS 280-302193/2-B	Analysis Batch:	280-302495	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-302367	Lab File ID:	26a110315c.asc
Dilution:	1.0	Leach Batch:	280-302193	Initial Weight/Volume:	10 mL
Analysis Date:	11/03/2015 2311	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	11/03/2015 1710				
Leach Date:	11/02/2015 1700				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	2.00	2.00	100	80 - 120	B
Antimony	0.500	0.499	100	80 - 120	
Arsenic	4.00	4.31	108	80 - 120	
Barium	12.0	12.73	106	80 - 120	
Beryllium	0.0500	0.0471	94	80 - 120	
Cadmium	1.10	1.17	107	80 - 120	
Chromium	5.20	5.30	102	80 - 120	
Lead	5.50	5.72	104	80 - 120	
Nickel	0.500	0.501	100	80 - 120	
Selenium	3.00	3.25	108	80 - 120	
Silver	1.05	1.11	106	80 - 120	
Sodium	50.0	1671	3343	80 - 120	N
Thallium	2.00	1.91	96	80 - 120	
Vanadium	0.500	0.515	103	80 - 120	
Zinc	2.50	2.88	115	80 - 120	

Client: Washington Closure Hanford

Job Number: 280-76179-1
Sdg Number: JP1013

Matrix Spike - Batch: 280-302367

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID:	280-76179-1	Analysis Batch:	280-302495	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-302367	Lab File ID:	26a110315c.asc
Dilution:	1.0	Leach Batch:	280-302193	Initial Weight/Volume:	10 mL
Analysis Date:	11/03/2015 2321	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	11/03/2015 1710				
Leach Date:	11/02/2015 1700				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	0.92	B	2.00	2.76	92	80 - 120	B
Antimony	0.016	U	0.500	0.489	98	80 - 120	
Arsenic	0.022	U	4.00	4.19	105	80 - 120	
Barium	3.3		12.0	15.50	102	80 - 120	
Beryllium	0.0020	U	0.0500	0.0443	89	80 - 120	
Cadmium	0.0020	U	1.10	1.14	103	80 - 120	
Chromium	0.10	B	5.20	5.16	97	80 - 120	
Lead	0.013	U	5.50	5.45	99	80 - 120	
Nickel	0.0060	U	0.500	0.477	95	80 - 120	
Selenium	0.024	U	3.00	3.11	104	80 - 120	
Silver	0.0040	U	1.05	1.07	102	80 - 120	
Sodium	1690		50.0	1677	-34	80 - 120	C 4
Thallium	0.024	U	2.00	1.81	90	80 - 120	
Vanadium	0.0060	U	0.500	0.494	99	80 - 120	
Zinc	0.022	U	2.50	2.72	109	80 - 120	

Client: Washington Closure Hanford

Job Number: 280-76179-1
Sdg Number: JP1013

Duplicate - Batch: 280-302367

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID:	280-76179-1	Analysis Batch:	280-302495	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-302367	Lab File ID:	26a110315c.asc
Dilution:	1.0	Leach Batch:	280-302193	Initial Weight/Volume:	10 mL
Analysis Date:	11/03/2015 2318	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	11/03/2015 1710				
Leach Date:	11/02/2015 1700				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Aluminum	0.92	B	0.939	2	20	B
Antimony	0.016	U	0.016	NC	20	U
Arsenic	0.022	U	0.022	NC	20	U
Barium	3.3		3.40	3	20	
Beryllium	0.0020	U	0.0020	NC	20	U
Cadmium	0.0020	U	0.0020	NC	20	U
Chromium	0.10	B	0.106	2	20	B
Lead	0.013	U	0.013	NC	20	U
Nickel	0.0060	U	0.0060	NC	20	U
Selenium	0.024	U	0.024	NC	20	U
Silver	0.0040	U	0.0040	NC	20	U
Sodium	1690		1729	2	20	C N
Thallium	0.024	U	0.024	NC	20	U
Vanadium	0.0060	U	0.0060	NC	20	U
Zinc	0.022	U	0.022	NC	20	U

Client: Washington Closure Hanford

Job Number: 280-76179-1
Sdg Number: JP1013

TCLP SPLPE Leachate Blank - Batch: 280-302376

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID:	LB 280-302193/1-C	Analysis Batch:	280-302523	Instrument ID:	MT_033
Client Matrix:	Solid	Prep Batch:	280-302376	Lab File ID:	151104aa.txt
Dilution:	1.0	Leach Batch:	280-302193	Initial Weight/Volume:	30 mL
Analysis Date:	11/04/2015 1055	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	11/03/2015 1715				
Leach Date:	11/02/2015 1700				

Analyte	Result	Qual	MDL	RL
Mercury	0.0000467	B	0.000030	0.0020

Lab Control Sample - Batch: 280-302376

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID:	LCS 280-302193/2-C	Analysis Batch:	280-302523	Instrument ID:	MT_033
Client Matrix:	Solid	Prep Batch:	280-302376	Lab File ID:	151104aa.txt
Dilution:	1.0	Leach Batch:	280-302193	Initial Weight/Volume:	30 mL
Analysis Date:	11/04/2015 1058	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	11/03/2015 1715				
Leach Date:	11/02/2015 1700				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.00500	0.00545	109	90 - 116	

Matrix Spike - Batch: 280-302376

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID:	280-76179-1	Analysis Batch:	280-302523	Instrument ID:	MT_033
Client Matrix:	Solid	Prep Batch:	280-302376	Lab File ID:	151104aa.txt
Dilution:	2.0	Leach Batch:	280-302193	Initial Weight/Volume:	30 mL
Analysis Date:	11/04/2015 1115	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	11/03/2015 1715				
Leach Date:	11/02/2015 1700				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.0079	0.00500	0.0148	138	90 - 116	N

Client: Washington Closure Hanford

Job Number: 280-76179-1
Sdg Number: JP1013

Duplicate - Batch: 280-302376

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID:	280-76179-1	Analysis Batch:	280-302523	Instrument ID:	MT_033
Client Matrix:	Solid	Prep Batch:	280-302376	Lab File ID:	151104aa.txt
Dilution:	2.0	Leach Batch:	280-302193	Initial Weight/Volume:	30 mL
Analysis Date:	11/04/2015 1113	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	11/03/2015 1715				
Leach Date:	11/02/2015 1700				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	0.0079	0.00848	7	20	

Client: Washington Closure Hanford

Job Number: 280-76179-1
Sdg Number: JP1013

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 280-302193					
LCS 280-302193/2-B	Lab Control Sample	P	Solid	1311	
LCS 280-302193/2-C	Lab Control Sample	P	Solid	1311	
LB 280-302193/1-B	TCLP SPLPE Leachate Blank	P	Solid	1311	
LB 280-302193/1-C	TCLP SPLPE Leachate Blank	P	Solid	1311	
280-76179-1	J1V876	P	Solid	1311	
280-76179-1DU	Duplicate	P	Solid	1311	
280-76179-1MS	Matrix Spike	P	Solid	1311	
Prep Batch: 280-302367					
LCS 280-302193/2-B	Lab Control Sample	P	Solid	3010A	280-302193
LB 280-302193/1-B	TCLP SPLPE Leachate Blank	P	Solid	3010A	280-302193
280-76179-1	J1V876	P	Solid	3010A	280-302193
280-76179-1DU	Duplicate	P	Solid	3010A	280-302193
280-76179-1MS	Matrix Spike	P	Solid	3010A	280-302193
Prep Batch: 280-302376					
LCS 280-302193/2-C	Lab Control Sample	P	Solid	7470A	280-302193
LB 280-302193/1-C	TCLP SPLPE Leachate Blank	P	Solid	7470A	280-302193
280-76179-1	J1V876	P	Solid	7470A	280-302193
280-76179-1DU	Duplicate	P	Solid	7470A	280-302193
280-76179-1MS	Matrix Spike	P	Solid	7470A	280-302193
Analysis Batch:280-302495					
LCS 280-302193/2-B	Lab Control Sample	P	Solid	6010B	280-302367
LB 280-302193/1-B	TCLP SPLPE Leachate Blank	P	Solid	6010B	280-302367
280-76179-1	J1V876	P	Solid	6010B	280-302367
280-76179-1DU	Duplicate	P	Solid	6010B	280-302367
280-76179-1MS	Matrix Spike	P	Solid	6010B	280-302367
Analysis Batch:280-302523					
LCS 280-302193/2-C	Lab Control Sample	P	Solid	7470A	280-302376
LB 280-302193/1-C	TCLP SPLPE Leachate Blank	P	Solid	7470A	280-302376
280-76179-1	J1V876	P	Solid	7470A	280-302376
280-76179-1DU	Duplicate	P	Solid	7470A	280-302376
280-76179-1MS	Matrix Spike	P	Solid	7470A	280-302376

Report Basis
P = TCLP

Washington Closure Hanford

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

RC-155-184

Page 1 of 1

Collector: D. BECKER	Company Contact: Joan Kessner	Telephone No.: 375-4688	Project Coordinator: KESSNER, JH
Project Designation: 618-10 & 618-11 Remediation	Sampling Location: 618-10 concrete drums/grout batches, GR- 250C		SAF No.: RC-155
Ice Chest No.: WCH-11-018	Field Logbook No.: EL-1664-01	COA: R618102F20	Method of Shipment: Commercial Carrier
Shipped To: TestAmerica Denver	Offsite Property No.: N/A TRE 10-29-15		Bill of Lading/Air Bill No.: SEE RSR

Price Code: 9A

Data Turnaround: 3 DAYS

Other Labs Shipped To: N/A TRE 10-29-15

Preservation	None	NONE										
Type of Container	G/P	G/P										
No. of Container(s)	1	0										
Volume	500mL	500mL										
Sample Analysis	See item (1) in Special Instructions	RCF SHIPPING SCREEN										

280-76179 Chain of Custody

POSSIBLE SAMPLE HAZARDS/REMARKS

radioactive

Special Handling and/or Storage

trans ship RCF tp TA-DEN

Sample No.	Matrix	Sample Date	Sample Time										
J17876	OTHER	10/28/15	0815	X	X	39521	312g						

CHAIN OF POSSESSION — **Sign/Print Names**

Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
DAVID BECKER [signature]	10.28.15 0855	RT COFFMAN / RT Coffman	0855 10/28/15
RT COFFMAN / RT Coffman	1040 10/28/15	C. Martinez / C. Martinez	1040 10/28/15
C. Martinez / C. Martinez	1215 10/28/15	D. Miller / D. Miller RCF	1215 10-28-15
D. Miller / D. Miller RCF	0715 10-29-15	T.R. Edmundson / T.R. Edmundson	10-29-15 0715
T.R. Edmundson / T.R. Edmundson WCH	10-29-15 1500	Fed Ex	10-29-15
		[signature]	10/30/15 9:40

FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

SPECIAL INSTRUCTIONS

(1) ICP Metals (TCLP) (Client List) - 1311/6010 {Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Lead, Nickel, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc}; Mercury (TCLP) - 1311/7470 (Client List) {Mercury}

12.0 IR 7 70.0
[signature] 10/30/15

REVIEWED BY KW pestele DATE 10-29-15

JP1013

WCH-EE-011

Temp 12.0 IR#7
CF +0.0 Initials
Date: 10/30/15

90 w/Permission

Project 28002142
Report Due: 11/4/2015 D.B. 10-30-15
TALs TAT: Rush 3 Day

Sample Check-in List

Date/Time Received: 10/30/15 9:40 GM Screen Result 14 microR/hr

Client: Washington Closure Hanford SDG #: JP1013 NA[ ] SAF #: RC-155 NA [ ]

Job Number: 76179 Chain of Custody # RC-155-184

Shipping Container ID: WCH-11-018 Air Bill # 7748 5439 9522

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: 12.0 IR7 +0.0 NA [ ] 5. Vermiculite/packing materials is NA [X] Wet [ ] Dry [ ]
6. Number of samples in shipping container: 1
7. Sample holding times exceeded? NA [ ] Yes [ ] No [X]
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_3 Added _____
11. Sample Location, Sample Collector Listed? * Yes
    *For documentation only. No corrective action needed.
12. Were any anomalies identified in sample receipt? Yes [X] No [ ]
13. Description of anomalies (include sample numbers): Sample Received not on ICE.

Sample Custodian: [signature] Date: 10/30/15

Client Sample ID	Analysis Requested	Condition	Comments/Action

Client Informed on 10-30-15 by D.B. Person Contacted Joan Kessner

[ ] No action necessary; process as is.

Project Manager Darlene Bandy Date 10-30-15

ORIGIN ID:PSCA (509) 376-6638
SHANDA ICAYAN
US DOE C/O MISSION SUPPORT ALLIANCE
2355 STEVENS DR BLDG 1162
RICHLAND, WA 99354
UNITED STATES US

SHIP DATE: 29OCT15
ACTWGT: 17.00 LB
CAD: 105266502/INET3670

BILL THIRD PARTY

TO KAE YODER
TEST AMERICA
4955 YARROW ST

ARVADA CO 80002
(303) 736-0190 REF: R618102F20 RMWC-9137
INV:
PO: DEPT:

539J3/401A/31D0

FedEx Express

J153015091001uv

FRI - 30 OCT 10:30A
PRIORITY OVERNIGHT

TRK# 0201 7748 5439 9522

XH WHHA

80002
CO-US DEN

UN2910, Radioactive Material,
Excepted Package - Limited
Quantity of Material

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
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