0100824

SAF-RC-074
100-D/DR Burial Grounds & Remaining Sites – Soil In-Process
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Kathy Wendt H4-21 KW 12/1/11
INITIAL/DATE

COMMENTS:

SDG J01318 SAF RC-074

Rad only ☑ Chem only Rad & Chem

☑ Complete Partial

Waste Site: 116-DR-8 SPA BCA Clearance

RECEIVED
JAN 13 2012
EDMC

Analytical Data Package Prepared For

Washington Closure Hanford

Analysis Provided By

TestAmerica Richland
2800 George Washington Way
Richland WA, 99354
(509)375-3131
Assigned Laboratory Code: TARL

RECEIVED
NOV 2011

SDG Number: J01318

Data Package Contains 12 Pages

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Certificate of Analysis

TestAmerica Laboratories, Inc.

Washington Closure Hanford
2620 Fermi Avenue
Richland, WA 99354

November 30, 2011

Attention: Joan Kessner

SAF Number	:	RC-074
Date SDG Closed	:	November 30, 2011
Number of Samples	:	Fourteen (14)
Sample Type	:	Soil
SDG Number	:	J01318
Data Deliverable	:	Quick Turn Metals / Summary

CASE NARRATIVE

I. Introduction

On November 2, 2011, fourteen soil samples were received at TestAmerica for analysis. Upon receipt, the samples were assigned the following laboratory ID numbers to correspond with the Washington Closure Hanford (WCH) specific ID;

WCH ID#	TARL ID#	MATRIX	DATE OF RECEIPT
J1LJP9	MNNLA	SOIL	11/02/11
J1LJR0	MNNLE	SOIL	11/02/11
J1LJR1	MNNLG	SOIL	11/02/11
J1LJR2	MNNLH	SOIL	11/02/11
J1LJR3	MNNLJ	SOIL	11/02/11
J1LJR4	MNNLK	SOIL	11/02/11
J1LJR5	MNNLL	SOIL	11/02/11
J1LJR6	MNNLM	SOIL	11/02/11
J1LJR7	MNNLP	SOIL	11/02/11
J1LJR8	MNNLQ	SOIL	11/02/11
J1LJR9	MNNLR	SOIL	11/02/11
J1LJT0	MNNLT	SOIL	11/02/11
J1LJT1	MNNLV	SOIL	11/02/11
J1LJT2	MNNLW	SOIL	11/02/11

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 6010A

IV. Quality Control

SDG J01318 includes a minimum of one Laboratory Control Samples (LCS) and one method (reagent) blank. A duplicate sample, matrix spike sample and a matrix spike duplicate sample will be analyzed per 20 samples or per month, whichever is more frequent. Any exceptions have been noted in the "Comments" section.

Blanks and LCS are reported in mg/L units, other QC and sample results are reported in the same units.

V. Comments

ICP Metals
ICP Metals by method SW-846 6010A
One batch was analyzed in November for the samples with the standard metal request list.

Batch 1306181:
The batch was re-analyzed due to the IEC for sliver in the presence of titanium was not accounted for on the original analysis. The batch was re-analyzed for acceptable results. Except as noted; the LCS, batch blank, samples, sample duplicate, MS, MSD, ICB, ICV, CCB and CCV results are within contractual limits.

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:

Rhonda Wagar
Project Manager

SDG: J01318
SAF: RC-074
BATCH: 1306181_AMENDED
MATRIX: SOIL
ANALYSIS DATE: 11/04/11

Client_id	Matrix	Result_type	Cas_nbr	Parameter	Result	Qualifier	Units	Reporting_Limits_s	Reporting_Limits	Uncertainty_1s	Analyzed_	Analyzed_:	Decision_level_lc	LCSRecov	AddedA	Analysis_date_time	Batch_nbr	Test_Meth	Lab_sample_id
J1LJP9	SOIL	BS	7440-22-4	Ag	-9.01E-02	U	UG/G	1.07E+00	1.07E+00	1.50E-01	0.2559	G	1.21E-01			11/4/2011 13:26	1306181	46DQ	MNNLA1A0
J1LJP9	SOIL	BS	7440-38-2	As	1.38E+00	U	UG/G	4.22E+00	4.22E+00	1.20E+00	0.2559	G	9.90E-01			11/4/2011 13:26	1306181	46DQ	MNNLA1A0
J1LJP9	SOIL	BS	7440-89-3	Ba	5.02E+01		UG/G	8.79E-01	8.79E-01	1.30E-01	0.2559	G	1.11E-01			11/4/2011 13:26	1306181	46DQ	MNNLA1A0
J1LJP9	SOIL	BS	7440-41-7	Beryllium	2.44E-01		UG/G	1.17E-01	1.17E-01	1.10E-02	0.2559	G	8.68E-03			11/4/2011 13:26	1306181	46DQ	MNNLA1A0
J1LJP9	SOIL	BS	7440-43-9	Cadmium	1.62E-01	U	UG/G	1.72E+00	1.72E+00	4.60E-02	0.2559	G	3.78E-02			11/4/2011 13:26	1306181	46DQ	MNNLA1A0
J1LJP9	SOIL	BS	7440-47-3	Chromium	5.86E+00		UG/G	9.77E-01	9.77E-01	1.30E-01	0.2559	G	1.04E-01			11/4/2011 13:26	1306181	46DQ	MNNLA1A0
J1LJP9	SOIL	BS	7439-92-1	Lead	2.53E+00	U	UG/G	3.40E+00	3.40E+00	1.20E-01	0.2559	G	9.69E-02			11/4/2011 13:26	1306181	46DQ	MNNLA1A0
J1LJP9	SOIL	BS	7782-49-2	Se	-2.97E-02	U	UG/G	8.17E+00	8.17E+00	3.80E-01	0.2559	G	3.13E-01			11/4/2011 13:26	1306181	46DQ	MNNLA1A0
J1LJR0	SOIL	BS	7440-22-4	Ag	-6.28E-02	U	UG/G	1.10E+00	1.10E+00	9.80E-02	0.25	G	8.07E-02			11/4/2011 13:40	1306181	46DQ	MNNLE1AA
J1LJR0	SOIL	BS	7440-38-2	As	1.70E+00	U	UG/G	4.32E+00	4.32E+00	7.80E-01	0.25	G	6.42E-01			11/4/2011 13:40	1306181	46DQ	MNNLE1AA
J1LJR0	SOIL	BS	7440-89-3	Ba	5.65E+01		UG/G	9.00E-01	9.00E-01	2.00E-01	0.25	G	1.64E-01			11/4/2011 13:40	1306181	46DQ	MNNLE1AA
J1LJR0	SOIL	BS	7440-41-7	Beryllium	2.58E-01		UG/G	1.20E-01	1.20E-01	9.00E-03	0.25	G	7.38E-03			11/4/2011 13:40	1306181	46DQ	MNNLE1AA
J1LJR0	SOIL	BS	7440-43-9	Cadmium	1.37E-01	U	UG/G	1.76E+00	1.76E+00	3.80E-02	0.25	G	3.12E-02			11/4/2011 13:40	1306181	46DQ	MNNLE1AA
J1LJR0	SOIL	BS	7440-47-3	Chromium	7.22E+00		UG/G	1.00E+00	1.00E+00	1.20E-01	0.25	G	9.85E-02			11/4/2011 13:40	1306181	46DQ	MNNLE1AA
J1LJR0	SOIL	BS	7439-92-1	Lead	3.50E+00		UG/G	3.48E+00	3.48E+00	4.60E-01	0.25	G	3.76E-01			11/4/2011 13:40	1306181	46DQ	MNNLE1AA
J1LJR0	SOIL	BS	7782-49-2	Se	2.31E-01	U	UG/G	8.36E+00	8.36E+00	4.00E-01	0.25	G	3.31E-01			11/4/2011 13:40	1306181	46DQ	MNNLE1AA
J1LJR1	SOIL	BS	7440-22-4	Ag	-1.19E-01	U	UG/G	1.08E+00	1.08E+00	4.80E-02	0.2544	G	3.91E-02			11/4/2011 13:46	1306181	46DQ	MNNLG1AA
J1LJR1	SOIL	BS	7440-38-2	As	6.05E-01	U	UG/G	4.25E+00	4.25E+00	3.90E-01	0.2544	G	3.23E-01			11/4/2011 13:46	1306181	46DQ	MNNLG1AA
J1LJR1	SOIL	BS	7440-89-3	Ba	4.81E+01		UG/G	8.84E-01	8.84E-01	3.60E-01	0.2544	G	2.96E-01			11/4/2011 13:46	1306181	46DQ	MNNLG1AA
J1LJR1	SOIL	BS	7440-41-7	Beryllium	2.15E-01		UG/G	1.18E-01	1.18E-01	1.90E-03	0.2544	G	1.53E-03			11/4/2011 13:46	1306181	46DQ	MNNLG1AA
J1LJR1	SOIL	BS	7440-43-9	Cadmium	1.26E-01	U	UG/G	1.73E+00	1.73E+00	2.10E-02	0.2544	G	1.73E-02			11/4/2011 13:46	1306181	46DQ	MNNLG1AA
J1LJR1	SOIL	BS	7440-47-3	Chromium	3.67E+00		UG/G	9.83E-01	9.83E-01	8.40E-02	0.2544	G	6.92E-02			11/4/2011 13:46	1306181	46DQ	MNNLG1AA
J1LJR1	SOIL	BS	7439-92-1	Lead	2.16E+00	U	UG/G	3.42E+00	3.42E+00	1.40E-01	0.2544	G	1.18E-01			11/4/2011 13:46	1306181	46DQ	MNNLG1AA
J1LJR1	SOIL	BS	7782-49-2	Se	5.02E-01	U	UG/G	8.22E+00	8.22E+00	3.60E-01	0.2544	G	2.93E-01			11/4/2011 13:46	1306181	46DQ	MNNLG1AA
J1LJR2	SOIL	BS	7440-22-4	Ag	-9.02E-02	U	UG/G	1.09E+00	1.09E+00	1.60E-01	0.2534	G	1.34E-01			11/4/2011 13:49	1306181	46DQ	MNNLH1AA
J1LJR2	SOIL	BS	7440-38-2	As	7.91E-01	U	UG/G	4.26E+00	4.26E+00	2.60E-01	0.2534	G	2.11E-01			11/4/2011 13:49	1306181	46DQ	MNNLH1AA
J1LJR2	SOIL	BS	7440-89-3	Ba	4.46E+01		UG/G	8.88E-01	8.88E-01	1.80E-01	0.2534	G	1.50E-01			11/4/2011 13:49	1306181	46DQ	MNNLH1AA
J1LJR2	SOIL	BS	7440-41-7	Beryllium	2.40E-01		UG/G	1.18E-01	1.18E-01	1.70E-02	0.2534	G	1.44E-02			11/4/2011 13:49	1306181	46DQ	MNNLH1AA
J1LJR2	SOIL	BS	7440-43-9	Cadmium	1.21E-01	U	UG/G	1.74E+00	1.74E+00	1.80E-02	0.2534	G	1.51E-02			11/4/2011 13:49	1306181	46DQ	MNNLH1AA
J1LJR2	SOIL	BS	7440-47-3	Chromium	4.92E+00		UG/G	9.87E-01	9.87E-01	9.50E-02	0.2534	G	7.82E-02			11/4/2011 13:49	1306181	46DQ	MNNLH1AA
J1LJR2	SOIL	BS	7439-92-1	Lead	1.96E+00	U	UG/G	3.43E+00	3.43E+00	4.20E-02	0.2534	G	3.46E-02			11/4/2011 13:49	1306181	46DQ	MNNLH1AA
J1LJR2	SOIL	BS	7782-49-2	Se	1.02E-01	U	UG/G	8.25E+00	8.25E+00	6.00E-01	0.2534	G	4.97E-01			11/4/2011 13:49	1306181	46DQ	MNNLH1AA
J1LJR3	SOIL	BS	7440-22-4	Ag	-5.05E-02	U	UG/G	1.09E+00	1.09E+00	1.10E-01	0.2521	G	8.78E-02			11/4/2011 14:02	1306181	46DQ	MNNLJ1AA
J1LJR3	SOIL	BS	7440-38-2	As	9.06E-01	U	UG/G	4.28E+00	4.28E+00	1.00E+00	0.2521	G	8.33E-01			11/4/2011 14:02	1306181	46DQ	MNNLJ1AA
J1LJR3	SOIL	BS	7440-89-3	Ba	4.99E+01		UG/G	8.93E-01	8.93E-01	5.80E-01	0.2521	G	4.80E-01			11/4/2011 14:02	1306181	46DQ	MNNLJ1AA
J1LJR3	SOIL	BS	7440-41-7	Beryllium	2.48E-01		UG/G	1.19E-01	1.19E-01	1.50E-02	0.2521	G	1.23E-02			11/4/2011 14:02	1306181	46DQ	MNNLJ1AA
J1LJR3	SOIL	BS	7440-43-9	Cadmium	1.25E-01	U	UG/G	1.75E+00	1.75E+00	5.40E-02	0.2521	G	4.47E-02			11/4/2011 14:02	1306181	46DQ	MNNLJ1AA
J1LJR3	SOIL	BS	7440-47-3	Chromium	5.18E+00		UG/G	9.92E-01	9.92E-01	1.20E-01	0.2521	G	9.92E-02			11/4/2011 14:02	1306181	46DQ	MNNLJ1AA
J1LJR3	SOIL	BS	7439-92-1	Lead	2.32E+00	U	UG/G	3.45E+00	3.45E+00	3.20E-01	0.2521	G	2.61E-01			11/4/2011 14:02	1306181	46DQ	MNNLJ1AA
J1LJR3	SOIL	BS	7782-49-2	Se	5.83E-01	U	UG/G	8.29E+00	8.29E+00	6.40E-01	0.2521	G	5.26E-01			11/4/2011 14:02	1306181	46DQ	MNNLJ1AA
J1LJR4	SOIL	BS	7440-22-4	Ag	-5.52E-02	U	UG/G	1.10E+00	1.10E+00	1.70E-01	0.2509	G	1.40E-01			11/4/2011 14:05	1306181	46DQ	MNNLK1AA
J1LJR4	SOIL	BS	7440-38-2	As	2.12E+00	U	UG/G	4.30E+00	4.30E+00	3.80E-01	0.2509	G	3.16E-01			11/4/2011 14:05	1306181	46DQ	MNNLK1AA
J1LJR4	SOIL	BS	7440-89-3	Ba	7.86E+01		UG/G	8.97E-01	8.97E-01	5.40E-01	0.2509	G	4.48E-01			11/4/2011 14:05	1306181	46DQ	MNNLK1AA
J1LJR4	SOIL	BS	7440-41-7	Beryllium	2.87E-01		UG/G	1.20E-01	1.20E-01	5.10E-03	0.2509	G	4.16E-03			11/4/2011 14:05	1306181	46DQ	MNNLK1AA
J1LJR4	SOIL	BS	7440-43-9	Cadmium	1.38E-01	U	UG/G	1.75E+00	1.75E+00	3.70E-02	0.2509	G	3.07E-02			11/4/2011 14:05	1306181	46DQ	MNNLK1AA
J1LJR4	SOIL	BS	7440-47-3	Chromium	6.72E+00		UG/G	9.96E-01	9.96E-01	1.10E-01	0.2509	G	8.66E-02			11/4/2011 14:05	1306181	46DQ	MNNLK1AA
J1LJR4	SOIL	BS	7439-92-1	Lead	3.14E+00	U	UG/G	3.47E+00	3.47E+00	2.30E-01	0.2509	G	1.88E-01			11/4/2011 14:05	1306181	46DQ	MNNLK1AA
J1LJR4	SOIL	BS	7782-49-2	Se	1.01E-01	U	UG/G	8.33E+00	8.33E+00	4.00E-01	0.2509	G	3.33E-01			11/4/2011 14:05	1306181	46DQ	MNNLK1AA
J1LJR5	SOIL	BS	7440-22-4	Ag	-1.49E-01	U	UG/G	1.10E+00	1.10E+00	1.40E-01	0.251	G	1.13E-01			11/4/2011 14:08	1306181	46DQ	MNNLL1AA
J1LJR5	SOIL	BS	7440-38-2	As	1.28E+00	U	UG/G	4.30E+00	4.30E+00	3.80E-01	0.251	G	3.12E-01			11/4/2011 14:08	1306181	46DQ	MNNLL1AA
J1LJR5	SOIL	BS	7440-89-3	Ba	5.05E+01		UG/G	8.96E-01	8.96E-01	1.40E-01	0.251	G	1.16E-01			11/4/2011 14:08	1306181	46DQ	MNNLL1AA
J1LJR5	SOIL	BS	7440-41-7	Beryllium	2.48E-01		UG/G	1.20E-01	1.20E-01	2.00E-02	0.251	G	1.66E-02			11/4/2011 14:08	1306181	46DQ	MNNLL1AA
J1LJR5	SOIL	BS	7440-43-9	Cadmium	1.59E-01	U	UG/G	1.75E+00	1.75E+00	5.40E-02	0.251	G	4.41E-02			11/4/2011 14:08	1306181	46DQ	MNNLL1AA
J1LJR5	SOIL	BS	7440-47-3	Chromium	4.22E+00		UG/G	9.96E-01	9.96E-01	1.10E-01	0.251	G	8.98E-02			11/4/2011 14:08	1306181	46DQ	MNNLL1AA
J1LJR5	SOIL	BS	7439-92-1	Lead	2.34E+00	U	UG/G	3.47E+00	3.47E+00	3.50E-01	0.251	G	2.85E-01			11/4/2011 14:08	1306181	46DQ	MNNLL1AA
J1LJR5	SOIL	BS	7782-49-2	Se	1.15E-01	U	UG/G	8.33E+00	8.33E+00	7.90E-01	0.251	G	6.49E-01			11/4/2011 14:08	1306181	46DQ	MNNLL1AA
J1LJR6	SOIL	BS	7440-22-4	Ag	-1.28E-01	U	UG/G	1.10E+00	1.10E+00	4.20E-02	0.2508	G	3.49E-02			11/4/2011 14:11	1306181	46DQ	MNNLM1AA
J1LJR6	SOIL	BS	7440-38-2	As	1.47E+00	U	UG/G	4.31E+00	4.31E+00	3.80E-01	0.2508	G	3.13E-01			11/4/2011 14:11	1306181	46DQ	MNNLM1AA
J1LJR6	SOIL	BS	7440-89-3	Ba	8.81E+01		UG/G	8.97E-01	8.97E-01	4.70E-01	0.2508	G	3.89E-01			11/4/2011 14:11	1306181	46DQ	MNNLM1AA
J1LJR6	SOIL	BS	7440-41-7	Beryllium	2.76E-01		UG/G	1.20E-01	1.20E-01	1.80E-02	0.2508	G	1.49E-02			11/4/2011 14:11	1306181	46DQ	MNNLM1AA
J1LJR6	SOIL	BS	7440-43-9	Cadmium	1.17E-01	U	UG/G	1.75E+00	1.75E+00	1.80E-02	0.2508	G	1.52E-02			11/4/2011 14:11	1306181	46DQ	MNNLM1AA
J1LJR6	SOIL	BS	7440-47-3	Chromium	7.82E+00		UG/G	9.97E-01	9.97E-01	1.70E-01	0.2508	G	1.41E-01			11/4/2011 14:11	1306181	46DQ	MNNLM1AA
J1LJR6	SOIL	BS	7439-92-1	Lead	3.30E+00	U	UG/G	3.47E+00	3.47E+00	2.90E-01	0.2508	G	2.39E-01			11/4/2011 14:11	1306181	46DQ	MNNLM1AA
J1LJR6	SOIL	BS	7782-49-2	Se	-4.29E-02	U	UG/G	8.33E+00	8.33E+00	7.00E-01	0.2508	G	5.72E-01			11/4/2011 14:11	1306181	46DQ	MNNLM1AA
J1LJR7	SOIL	BS	7440-22-4	Ag	-5.81E-02	U	UG/G	1.08E+00	1.08E+00	1.70E-01	0.2543	G	1.36E-01			11/4/2011 14:14	1306181	46DQ	MNNLP1AA
J1LJR7	SOIL	BS	7440-38-2	As	1.13E+00	U	UG/G	4.25E+00	4.25E+00	5.60E-01	0.2543	G	4.61E-01			11/4/2011 14:14	1306181	46DQ	MNNLP1AA
J1LJR7	SOIL	BS	7440-89-3	Ba	6.00E+01		UG/G	8.85E-01	8.85E-01	3.80E-01	0.2543	G	3.12E-01			11/4/2011 14:14	1306181	46DQ	MNNLP1AA

Client_id	Matrix	Result_type	Cas_nbr	Parameter	Result	Qualifier	Units	Reporting_Limits_:	Reporting_Limits	Uncertainty_1s	Analyzed_	Analyzed_:	Decision_level_lc	LCSReco	AddedA	Analysis_date_time	Batch_nbr	Test_Meth	Lab_sample_id
J1LJR7	SOIL	BS	7440-41-7	Beryllium	2.55E-01		UG/G	1.18E-01	1.18E-01	4.10E-03	0.2543	G	3.41E-03			11/4/2011 14:14	1306181	46DQ	MNNLP1AA
J1LJR7	SOIL	BS	7440-43-9	Cadmium	1.30E-01	U	UG/G	1.73E+00	1.73E+00	3.50E-02	0.2543	G	2.85E-02			11/4/2011 14:14	1306181	46DQ	MNNLP1AA
J1LJR7	SOIL	BS	7440-47-3	Chromium	6.71E+00		UG/G	9.83E-01	9.83E-01	4.20E-02	0.2543	G	3.44E-02			11/4/2011 14:14	1306181	46DQ	MNNLP1AA
J1LJR7	SOIL	BS	7439-92-1	Lead	3.27E+00	U	UG/G	3.42E+00	3.42E+00	4.60E-01	0.2543	G	3.77E-01			11/4/2011 14:14	1306181	46DQ	MNNLP1AA
J1LJR7	SOIL	BS	7782-49-2	Se	1.64E-01	U	UG/G	8.22E+00	8.22E+00	9.00E-01	0.2543	G	7.38E-01			11/4/2011 14:14	1306181	46DQ	MNNLP1AA
J1LJR8	SOIL	BS	7440-22-4	Ag	-1.26E-01	U	UG/G	1.07E+00	1.07E+00	1.50E-01	0.256	G	1.26E-01			11/4/2011 14:17	1306181	46DQ	MNNLQ1AA
J1LJR8	SOIL	BS	7440-38-2	As	2.02E+00	U	UG/G	4.22E+00	4.22E+00	5.70E-01	0.256	G	4.71E-01			11/4/2011 14:17	1306181	46DQ	MNNLQ1AA
J1LJR8	SOIL	BS	7440-89-3	Ba	6.63E+01		UG/G	8.79E-01	8.79E-01	5.00E-01	0.256	G	4.09E-01			11/4/2011 14:17	1306181	46DQ	MNNLQ1AA
J1LJR8	SOIL	BS	7440-41-7	Beryllium	2.81E-01		UG/G	1.17E-01	1.17E-01	8.20E-03	0.256	G	5.13E-03			11/4/2011 14:17	1306181	46DQ	MNNLQ1AA
J1LJR8	SOIL	BS	7440-43-9	Cadmium	1.68E-01	U	UG/G	1.72E+00	1.72E+00	5.30E-02	0.256	G	4.39E-02			11/4/2011 14:17	1306181	46DQ	MNNLQ1AA
J1LJR8	SOIL	BS	7440-47-3	Chromium	8.79E+00		UG/G	9.77E-01	9.77E-01	2.00E-01	0.256	G	1.64E-01			11/4/2011 14:17	1306181	46DQ	MNNLQ1AA
J1LJR8	SOIL	BS	7439-92-1	Lead	3.18E+00	U	UG/G	3.40E+00	3.40E+00	5.80E-01	0.256	G	4.78E-01			11/4/2011 14:17	1306181	46DQ	MNNLQ1AA
J1LJR8	SOIL	BS	7782-49-2	Se	3.53E-02	U	UG/G	8.16E+00	8.16E+00	1.30E+00	0.256	G	1.10E+00			11/4/2011 14:17	1306181	46DQ	MNNLQ1AA
J1LJR9	SOIL	BS	7440-22-4	Ag	-8.22E-02	U	UG/G	1.07E+00	1.07E+00	1.00E-01	0.257	G	8.46E-02			11/4/2011 14:20	1306181	46DQ	MNNLR1AA
J1LJR9	SOIL	BS	7440-38-2	As	1.90E+00	U	UG/G	4.20E+00	4.20E+00	7.60E-01	0.257	G	6.24E-01			11/4/2011 14:20	1306181	46DQ	MNNLR1AA
J1LJR9	SOIL	BS	7440-89-3	Ba	7.33E+01		UG/G	8.75E-01	8.75E-01	6.30E-01	0.257	G	5.16E-01			11/4/2011 14:20	1306181	46DQ	MNNLR1AA
J1LJR9	SOIL	BS	7440-41-7	Beryllium	2.72E-01		UG/G	1.17E-01	1.17E-01	3.80E-03	0.257	G	3.14E-03			11/4/2011 14:20	1306181	46DQ	MNNLR1AA
J1LJR9	SOIL	BS	7440-43-9	Cadmium	1.61E-01	U	UG/G	1.71E+00	1.71E+00	7.00E-02	0.257	G	5.78E-02			11/4/2011 14:20	1306181	46DQ	MNNLR1AA
J1LJR9	SOIL	BS	7440-47-3	Chromium	9.20E+00		UG/G	9.73E-01	9.73E-01	3.30E-01	0.257	G	2.72E-01			11/4/2011 14:20	1306181	46DQ	MNNLR1AA
J1LJR9	SOIL	BS	7439-92-1	Lead	3.38E+00	U	UG/G	3.39E+00	3.39E+00	4.00E-01	0.257	G	3.30E-01			11/4/2011 14:20	1306181	46DQ	MNNLR1AA
J1LJR9	SOIL	BS	7782-49-2	Se	3.26E-01	U	UG/G	8.13E+00	8.13E+00	5.60E-01	0.257	G	4.62E-01			11/4/2011 14:20	1306181	46DQ	MNNLR1AA
J1LJT0	SOIL	BS	7440-22-4	Ag	-1.13E-01	U	UG/G	1.10E+00	1.10E+00	4.80E-02	0.2511	G	3.91E-02			11/4/2011 14:23	1306181	46DQ	MNNLT1AA
J1LJT0	SOIL	BS	7440-38-2	As	1.77E+00	U	UG/G	4.30E+00	4.30E+00	6.20E-01	0.2511	G	5.11E-01			11/4/2011 14:23	1306181	46DQ	MNNLT1AA
J1LJT0	SOIL	BS	7440-89-3	Ba	6.66E+01		UG/G	8.96E-01	8.96E-01	1.20E-01	0.2511	G	1.02E-01			11/4/2011 14:23	1306181	46DQ	MNNLT1AA
J1LJT0	SOIL	BS	7440-41-7	Beryllium	2.90E-01		UG/G	1.19E-01	1.19E-01	1.00E-02	0.2511	G	8.40E-03			11/4/2011 14:23	1306181	46DQ	MNNLT1AA
J1LJT0	SOIL	BS	7440-43-9	Cadmium	1.32E-01	U	UG/G	1.75E+00	1.75E+00	4.50E-02	0.2511	G	3.66E-02			11/4/2011 14:23	1306181	46DQ	MNNLT1AA
J1LJT0	SOIL	BS	7440-47-3	Chromium	9.49E+00		UG/G	9.96E-01	9.96E-01	5.80E-02	0.2511	G	4.78E-02			11/4/2011 14:23	1306181	46DQ	MNNLT1AA
J1LJT0	SOIL	BS	7439-92-1	Lead	3.24E+00	U	UG/G	3.46E+00	3.46E+00	3.80E-01	0.2511	G	3.15E-01			11/4/2011 14:23	1306181	46DQ	MNNLT1AA
J1LJT0	SOIL	BS	7782-49-2	Se	4.04E-01	U	UG/G	8.32E+00	8.32E+00	9.50E-01	0.2511	G	7.81E-01			11/4/2011 14:23	1306181	46DQ	MNNLT1AA
J1LJT1	SOIL	BS	7440-22-4	Ag	-9.47E-02	U	UG/G	1.09E+00	1.09E+00	6.60E-02	0.2521	G	5.43E-02			11/4/2011 14:26	1306181	46DQ	MNNLV1AA
J1LJT1	SOIL	BS	7440-38-2	As	1.65E+00	U	UG/G	4.28E+00	4.28E+00	4.80E-01	0.2521	G	3.95E-01			11/4/2011 14:26	1306181	46DQ	MNNLV1AA
J1LJT1	SOIL	BS	7440-89-3	Ba	6.62E+01		UG/G	8.93E-01	8.93E-01	1.30E-01	0.2521	G	1.05E-01			11/4/2011 14:26	1306181	46DQ	MNNLV1AA
J1LJT1	SOIL	BS	7440-41-7	Beryllium	2.81E-01		UG/G	1.19E-01	1.19E-01	1.30E-02	0.2521	G	1.05E-02			11/4/2011 14:26	1306181	46DQ	MNNLV1AA
J1LJT1	SOIL	BS	7440-43-9	Cadmium	1.33E-01	U	UG/G	1.75E+00	1.75E+00	2.40E-02	0.2521	G	2.01E-02			11/4/2011 14:26	1306181	46DQ	MNNLV1AA
J1LJT1	SOIL	BS	7440-47-3	Chromium	9.05E+00		UG/G	9.92E-01	9.92E-01	1.60E-01	0.2521	G	1.32E-01			11/4/2011 14:26	1306181	46DQ	MNNLV1AA
J1LJT1	SOIL	BS	7439-92-1	Lead	3.24E+00	U	UG/G	3.45E+00	3.45E+00	5.50E-01	0.2521	G	4.56E-01			11/4/2011 14:26	1306181	46DQ	MNNLV1AA
J1LJT1	SOIL	BS	7782-49-2	Se	2.45E-02	U	UG/G	8.29E+00	8.29E+00	4.60E-01	0.2521	G	3.79E-01			11/4/2011 14:26	1306181	46DQ	MNNLV1AA
J1LJT2	SOIL	BS	7440-22-4	Ag	-9.19E-02	U	UG/G	1.09E+00	1.09E+00	5.80E-02	0.2524	G	4.75E-02			11/4/2011 14:29	1306181	46DQ	MNNLW1AA
J1LJT2	SOIL	BS	7440-38-2	As	1.89E+00	U	UG/G	4.28E+00	4.28E+00	5.70E-01	0.2524	G	4.68E-01			11/4/2011 14:29	1306181	46DQ	MNNLW1AA
J1LJT2	SOIL	BS	7440-89-3	Ba	5.93E+01		UG/G	8.91E-01	8.91E-01	4.20E-01	0.2524	G	3.45E-01			11/4/2011 14:29	1306181	46DQ	MNNLW1AA
J1LJT2	SOIL	BS	7440-41-7	Beryllium	2.76E-01		UG/G	1.19E-01	1.19E-01	7.30E-03	0.2524	G	5.99E-03			11/4/2011 14:29	1306181	46DQ	MNNLW1AA
J1LJT2	SOIL	BS	7440-43-9	Cadmium	1.40E-01	U	UG/G	1.74E+00	1.74E+00	1.80E-02	0.2524	G	1.33E-02			11/4/2011 14:29	1306181	46DQ	MNNLW1AA
J1LJT2	SOIL	BS	7440-47-3	Chromium	7.33E+00		UG/G	9.90E-01	9.90E-01	7.90E-02	0.2524	G	6.50E-02			11/4/2011 14:29	1306181	46DQ	MNNLW1AA
J1LJT2	SOIL	BS	7439-92-1	Lead	2.84E+00	U	UG/G	3.45E+00	3.45E+00	5.60E-01	0.2524	G	4.60E-01			11/4/2011 14:29	1306181	46DQ	MNNLW1AA
J1LJT2	SOIL	BS	7782-49-2	Se	9.23E-02	U	UG/G	8.28E+00	8.28E+00	1.50E-01	0.2524	G	1.27E-01			11/4/2011 14:29	1306181	46DQ	MNNLW1AA
INTRA-LA	SOIL	BLK	7440-22-4	Ag	-3.73E-04	U	MG/L	5.50E-03	5.50E-03	3.30E-04	1	L	2.70E-04			11/4/2011 13:05	1306181	46DQ	MNNNM1AA
INTRA-LA	SOIL	BLK	7440-38-2	As	-2.55E-04	U	MG/L	2.16E-02	2.16E-02	1.90E-03	1	L	1.55E-03			11/4/2011 13:05	1306181	46DQ	MNNNM1AA
INTRA-LA	SOIL	BLK	7440-89-3	Ba	3.27E-05	U	MG/L	4.50E-03	4.50E-03	1.50E-05	1	L	1.27E-05			11/4/2011 13:05	1306181	46DQ	MNNNM1AA
INTRA-LA	SOIL	BLK	7440-41-7	Beryllium	8.18E-05	U	MG/L	6.00E-04	6.00E-04	5.60E-05	1	L	4.64E-05			11/4/2011 13:05	1306181	46DQ	MNNNM1AA
INTRA-LA	SOIL	BLK	7440-43-9	Cadmium	1.46E-04	U	MG/L	8.80E-03	8.80E-03	5.90E-05	1	L	4.85E-05			11/4/2011 13:05	1306181	46DQ	MNNNM1AA
INTRA-LA	SOIL	BLK	7440-47-3	Chromium	-1.29E-03	U	MG/L	5.00E-03	5.00E-03	1.10E-04	1	L	9.04E-05			11/4/2011 13:05	1306181	46DQ	MNNNM1AA
INTRA-LA	SOIL	BLK	7439-92-1	Lead	-2.69E-04	U	MG/L	1.74E-02	1.74E-02	2.50E-03	1	L	2.02E-03			11/4/2011 13:05	1306181	46DQ	MNNNM1AA
INTRA-LA	SOIL	BLK	7782-49-2	Se	6.57E-05	U	MG/L	4.18E-02	4.18E-02	1.80E-03	1	L	1.50E-03			11/4/2011 13:05	1306181	46DQ	MNNNM1AA
INTRA-LA	SOIL	LCS	7440-22-4	Ag	8.95E-01		MG/L	5.50E-03	5.50E-03	3.30E-03	1	L	2.69E-03	0.89	1	11/4/2011 13:19	1306181	46DQ	MNNNM1AA
INTRA-LA	SOIL	LCS	7440-38-2	As	9.17E-01		MG/L	2.16E-02	2.16E-02	2.20E-03	1	L	1.83E-03	0.92	1	11/4/2011 13:19	1306181	46DQ	MNNNM1AA
INTRA-LA	SOIL	LCS	7440-89-3	Ba	9.61E-01		MG/L	4.50E-03	4.50E-03	2.20E-03	1	L	1.84E-03	0.96	1	11/4/2011 13:19	1306181	46DQ	MNNNM1AA
INTRA-LA	SOIL	LCS	7440-41-7	Beryllium	9.41E-01		MG/L	6.00E-04	6.00E-04	1.00E-02	1	L	8.33E-03	0.94	1	11/4/2011 13:19	1306181	46DQ	MNNNM1AA
INTRA-LA	SOIL	LCS	7440-43-9	Cadmium	8.96E-01		MG/L	8.80E-03	8.80E-03	1.60E-03	1	L	1.32E-03	0.9	1	11/4/2011 13:19	1306181	46DQ	MNNNM1AA
INTRA-LA	SOIL	LCS	7440-47-3	Chromium	9.40E-01		MG/L	5.00E-03	5.00E-03	9.10E-03	1	L	7.52E-03	0.94	1	11/4/2011 13:19	1306181	46DQ	MNNNM1AA
INTRA-LA	SOIL	LCS	7439-92-1	Lead	9.06E-01		MG/L	1.74E-02	1.74E-02	2.30E-03	1	L	1.86E-03	0.91	1	11/4/2011 13:19	1306181	46DQ	MNNNM1AA
INTRA-LA	SOIL	LCS	7782-49-2	Se	8.87E-01		MG/L	4.18E-02	4.18E-02	5.80E-03	1	L	4.79E-03	0.89	1	11/4/2011 13:19	1306181	46DQ	MNNNM1AA
J1LJP9 DI	SOIL	DUP	7440-22-4	Ag	-1.02E-01	U	UG/G	1.09E+00	1.09E+00	1.30E-01	0.2512	G	1.08E-01			11/4/2011 13:37	1306181	46DQ	MNNLA1A0
J1LJP9 DI	SOIL	DUP	7440-38-2	As	8.40E-01	U	UG/G	4.30E+00	4.30E+00	6.60E-01	0.2512	G	5.40E-01			11/4/2011 13:37	1306181	46DQ	MNNLA1A0
J1LJP9 DI	SOIL	DUP	7440-89-3	Ba	6.41E+01		UG/G	8.96E-01	8.96E-01	1.70E+00	0.2512	G	1.42E+00			11/4/2011 13:37	1306181	46DQ	MNNLA1A0
J1LJP9 DI	SOIL	DUP	7440-41-7	Beryllium	2.52E-01		UG/G	1.19E-01	1.19E-01	1.50E-02	0.2512	G	1.21E-02			11/4/2011 13:37	1306181	46DQ	MNNLA1A0
J1LJP9 DI	SOIL	DUP	7440-43-9	Cadmium	1.45E-01	U	UG/G	1.75E+00	1.75E+00	1.20E-02	0.2512	G	9.86E-03			11/4/2011 13:37	1306181	46DQ	MNNLA1A0
J1LJP9 DI	SOIL	DUP	7440-47-3	Chromium	4.71E+00		UG/G	9.95E-01	9.95E-01	1.20E-01	0.2512	G	9.72E-02			11/4/2011 13:37	1306181	46DQ	MNNLA1A0
J1LJP9 DI	SOIL	DUP	7439-92-1	Lead	2.64E+00	U	UG/G	3.46E+00	3.46E+00	1.80E-01	0.2512	G	1.49E-01			11/4/2011 13:37	1306181	46DQ	MNNLA1A0
J1LJP9 DI	SOIL	DUP	7782-49-2	Se	4.21E-01	U	UG/G	8.32E+00	8.32E+00	8.90E-01	0.2512	G	7.36E-01			11/4/2011 13:37	1306181	46DQ	MNNLA1A0
J1LJP9	SOIL	MS	7440-22-4	Ag	1.72E+02		% REC	1.06E+00	1.06E+00	1.00E+00	0.2598	L	8.19E-01	0.83	208.3	11/4/2011 13:29	1306181	46DQ	MNNLA1A0
J1LJP9	SOIL	MS	7440-38-2	As	1.78E+02		% REC	4.16E+00	4.16E+00	8.90E-01	0.2598	L	7.34E-01	0.93	192.5	11/4/2011 13:29	1306181	46DQ	MNNLA1A0
J1LJP9	SOIL	MS	7440-89-3	Ba	1.79E+02		% REC	8.66E-01	8.66E-01	5.00E+00	0.2598	L	4.11E+00	0.93	192.5	11/4/2011 13:29	1306181	46DQ	MNNLA1A0
J1LJP9	SOIL	MS	7440-41-7	Beryllium	1.83E+02		% REC	1.15E-01	1.15E-01	1.10E+00	0.2598	L	9.36E-01	0.95	192.5	11/4/2011 13:29	1306181	46DQ	MNNLA1A0
J1LJP9	SOIL	MS	7440-43-9	Cadmium	1.74E+02		% REC	1.69E+00	1.69E+00	1.20E+00	0.2598	L	9.52E-01	0.9	192.5	11/4/2011 13:29	1306181	46DQ	MNNLA1A0
J1LJP9	SOIL	MS	7440-47-3	Chromium	1.78E+02		% REC	9.62E-01	9.62E-01	1.70E+00	0.2598	L	1.43E+00	0.93	192.5	11/4/2011 13:29	1306181	46DQ	MNNLA1A0
J1LJP9	SOIL	MS	7439-92-1	Lead	1.69E+02		% REC	3.35E+00	3.35E+00	5.60E-01	0.2598	L	4.58E-01	0.88	192.5	11/4/2011 13:29	1306181	46DQ	MNNLA1A0

Client_id	Matrix	Result_type	Cas_nbr	Parameter	Result	Qualifier	Units	Reporting_Limits_!	Reporting_Limits	Uncertainty_1s	Analyzed_	Analyzed_:	Decision_level_lc	LCSReco	AddedA	Analysis_date_time	Batch_nbr	Test_Meth	Lab_sample_id
J1LJP9	SOIL	MS	7782-49-2	Se	1.73E+02		% REC	8.04E+00	8.04E+00	1.20E+00	0.2598	L	9.76E-01	0.9	192.5	11/4/2011 13:29	1306181	46DQ	MNNLA1A0
J1LJP9	SOIL	MSD	7440-22-4	Ag	1.71E+02		% REC	1.06E+00	1.06E+00	2.30E+00	0.2589	L	1.88E+00	0.82	209.2	11/4/2011 13:33	1306181	46DQ	MNNLA1A0
J1LJP9	SOIL	MSD	7440-38-2	As	1.78E+02		% REC	4.17E+00	4.17E+00	1.00E+00	0.2589	L	8.36E-01	0.92	193.1	11/4/2011 13:33	1306181	46DQ	MNNLA1A0
J1LJP9	SOIL	MSD	7440-89-3	Ba	1.80E+02		% REC	8.69E-01	8.69E-01	2.00E+00	0.2589	L	1.66E+00	0.93	193.1	11/4/2011 13:33	1306181	46DQ	MNNLA1A0
J1LJP9	SOIL	MSD	7440-41-7	Beryllium	1.81E+02		% REC	1.16E-01	1.16E-01	2.20E+00	0.2589	L	1.79E+00	0.94	193.1	11/4/2011 13:33	1306181	46DQ	MNNLA1A0
J1LJP9	SOIL	MSD	7440-43-9	Cadmium	1.73E+02		% REC	1.70E+00	1.70E+00	5.60E-01	0.2589	L	4.64E-01	0.89	193.1	11/4/2011 13:33	1306181	46DQ	MNNLA1A0
J1LJP9	SOIL	MSD	7440-47-3	Chromium	1.76E+02		% REC	9.66E-01	9.66E-01	2.50E+00	0.2589	L	2.03E+00	0.91	193.1	11/4/2011 13:33	1306181	46DQ	MNNLA1A0
J1LJP9	SOIL	MSD	7439-92-1	Lead	1.68E+02		% REC	3.36E+00	3.36E+00	7.90E-01	0.2589	L	6.46E-01	0.87	193.1	11/4/2011 13:33	1306181	46DQ	MNNLA1A0
J1LJP9	SOIL	MSD	7782-49-2	Se	1.73E+02		% REC	8.07E+00	8.07E+00	4.10E-01	0.2589	L	3.36E-01	0.9	193.2	11/4/2011 13:33	1306181	46DQ	MNNLA1A0

Clouseau
Nonconformance Memo

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

NCM #: **10-19575**
NCM Initiated By: Tim Armstrong
Date Opened: 11/07/2011
Date Closed:

Classification: **Deficiency**
Status: **PMREVIEW**
Production Area: Classical Chemistry
Tests: 6010A
Lot #'s (Sample #'s): J1K020000 (181), J1K020458 (1,10,11,12,13,14,2,3,4,5,6,7,8,9),
QC Batches: 1306181,

Nonconformance: Incorrect prep/analysis procedure followed
Subcategory: Laboratory error: analyst error

Problem Description / Root Cause

Name	Date	Description
Tim Armstrong	11/07/2011	titanium interference on silver not accounted for, resulting in false positive result for silver.

Corrective Action

Name	Date	Corrective Action
Tim Armstrong	11/07/2011	Sample reanalyzed with correct IEC in place.

Client Notification Summary

Client	Project Manager	Notified	Response	How Notified	Note	Response	Response Note

Quality Assurance Verification

Verified By	Due Date	Status	Notes
		This section not yet completed by QA.	

Approval History

Date Approved	Approved By	Position

Washington Closure Hanford	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	RC-074-321	Page 1 of 3
Collector: Q Stowe	Company Contact: Joan Kessner; Telephone No.: 509-375-4688	Project Coordinator: KESSNER, JH	Price Code: ~~8L~~ 2A 10-18-11
Project Designation: 100-D/DR Burial Grounds & Remaining Sites - Soil In-Proce	Sampling Location: 116-DR-8 SPA BCA Clearance	SAF No.: RC-074	Data Turnaround: ~~21 Days~~ 24 HRS 10-18-11
Ice Chest No.: N/A	Field Logbook No.: EL-1607-12; COA: R116R82600	Method of Shipment: Hand Deliver	
Shipped To: TestAmerica Incorporated, Richland	Offsite Property No.: N/A	Bill of Lading/Air Bill No.: N/A	

POSSIBLE SAMPLE HAZARDS/REMARKS

None

Special Handling and/or Storage

None

J01318

J1K020458

Due 11-3-11

SAMPLE ANALYSIS

Preservation	Cool 4C												
Type of Container	G/P												
No. of Container(s)	1												
Volume	125mL												
	See item (1) in Special Instructions.												

Sample No.	Matrix *	Sample Date	Sample Time										
J1LJP9 MNNLA	SOIL	11-2-11	1000	X									
J1LJR0 MNNLE	SOIL	11-2-11	1002	X									
J1LJR1 MNNLG	SOIL	11-2-11	1004	X									
J1LJR2 MNNLH	SOIL	11-2-11	1006	X									
J1LJR3 MNNLJ	SOIL	11-2-11	1008	X									

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

Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Ginney Stowe	11/2/11 1145	D. Newman	11/2/11 1145
D. Newman	11/2/11 1250	A. Freier	1250 11-2-11
A. Freier	WCH 1330 11-2-11	J. Bock TARL	11-2-11 1330

SPECIAL INSTRUCTIONS

(1) Metals by ICP - 6010 - Quick Turn {Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, Silver}

J1K020458

11-2-11

Matrix *

S=Soil
SE=Sediment
SO=Solid
Sl=Sludge
W = Water
O=Oil
A=Air
DS=Drum Solids
DL=Drum Liquids
T=Tissue
WI=Wipe
L=Liquid
V=Vegetation
X=Other

LABORATORY SECTION	Received By	Title	Date/Time
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

WCH-EE-011

Washington Closure Hanford	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		RC-074-321	Page 2 of 3
Collector Q Stowe	Company Contact Joan Kessner	Telephone No. 509-375-4688	Project Coordinator KESSNER, JH	Price Code ~~8L~~ 2A D 10-18-11 Data Turnaround ~~21 Days~~ 24 Hrs D 10-18-11
Project Designation 100-D/DR Burial Grounds & Remaining Sites - Soil In-Proce	Sampling Location 116-DR-8 SPA BCA Clearance		SAF No. RC-074	
Ice Chest No. N/A	Field Logbook No. EL-1607-12	COA R116R82600	Method of Shipment Hand Deliver	
Shipped To TestAmerica Incorporated, Richland	Offsite Property No. N/A		Bill of Lading/Air Bill No. N/A	

POSSIBLE SAMPLE HAZARDS/REMARKS

None

Special Handling and/or Storage

None

J01318

J1K020458
Due 11-3-11

Preservation	Cool 4C											
Type of Container	G/P											
No. of Container(s)	1											
Volume	125mL											
SAMPLE ANALYSIS	See item (1) in Special Instructions.											

Sample No.	Matrix *	Sample Date	Sample Time									
J1LJR4 MNNLK	SOIL	11-2-11	1010	X								
J1LJR5 MNNLL	SOIL	11-2-11	1012	X								
J1LJR6 MNNLM	SOIL	11-2-11	1014	X								
J1LJR7 MNNLP	SOIL	11-2-11	1016	X								
J1LJR8 MNNLQ	SOIL	11-2-11	1018	X								

CHAIN OF POSSESSION	Sign/Print Names		
Relinquished By/Removed From: Quincy Stowe [signature]	Date/Time: 11/2/11 1145	Received By/Stored In: D. Newman Dennis Newman	Date/Time: 11/2/11 1145
Relinquished By/Removed From: D. Newman Dennis Newman	Date/Time: 11-2-11 1250	Received By/Stored In: A. Freier A. Freier	Date/Time: 1250 11-2-11
Relinquished By/Removed From: WCH A. Freier A. Freier	Date/Time: 1330 11-2-11	Received By/Stored In: J. Fock J. Fock TAL	Date/Time: 11-2-11 1330
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

SPECIAL INSTRUCTIONS

(1) Metals by ICP - 6010 - Quick Turn {Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, Silver}

Matrix *
S=Soil
SE=Sediment
SO=Solid
SI=Sludge
W = Water
O=Oil
A=Air
DS=Drum Solids
DL=Drum Liquids
T=Tissue
WI=Wipe
L=Liquid
V=Vegetation
X=Other

Cook
11-2-11

LABORATORY SECTION	Received By	Title	Date/Time
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

WCH-EE-011

Washington Closure Hanford	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	RC-074-321	Page 3 of 3
Collector: Q Stowe	Company Contact: Joan Kessner; Telephone No.: 509-375-4688	Project Coordinator: KESSNER, JH	Price Code: ~~8L~~ 2 2A 10-18-11; Data Turnaround: ~~21 Days~~ 24 HRS 10-18-11
Project Designation: 100-D/DR Burial Grounds & Remaining Sites - Soil In-Proce	Sampling Location: 116-DR-8 SPA BCA Clearance	SAF No.: RC-074	
Ice Chest No.: N/A	Field Logbook No.: EL-1607-12; COA: R116R82600	Method of Shipment: Hand Deliver	
Shipped To: TestAmerica Incorporated, Richland	Offsite Property No.: N/A	Bill of Lading/Air Bill No.: N/A	

POSSIBLE SAMPLE HAZARDS/REMARKS

None

Special Handling and/or Storage

None

J01318

J1K020458
Due 11-3-11

Preservation	Cool 4C										
Type of Container	G/P										
No. of Container(s)	1										
Volume	125mL										
SAMPLE ANALYSIS	See item (1) in Special Instructions.										

Sample No.	Matrix *	Sample Date	Sample Time										
J1LJR9 MNNLR	SOIL	11-2-11	1020	X									
J1LJT0 MNNLT	SOIL	11-2-11	1022	X									
J1LJT1 MNNLV	SOIL	11-2-11	1024	X									
J1LJT2 MNNLW	SOIL	11-2-11	1026	X									
~~J1LJT3~~ D 11-2-11	SOIL												

CHAIN OF POSSESSION	Sign/Print Names	
Relinquished By/Removed From: Quincy Stowe	Date/Time: 11/2/11 1045	Received By/Stored In: D. Newman Denn Newman
Relinquished By/Removed From: D. Newman Denn Newman	Date/Time: 11-2-11 1250	Received By/Stored In: A. Freier A. Freier
Relinquished By/Removed From: WCH A. Freier A. Freier	Date/Time: 11-2-11 1330	Received By/Stored In: J. Bockthale J. Bockthale
Relinquished By/Removed From	Date/Time	Received By/Stored In
Relinquished By/Removed From	Date/Time	Received By/Stored In
Relinquished By/Removed From	Date/Time	Received By/Stored In

Date/Time: 11/2/11 1145; Date/Time: 11-2-11 1250; Date/Time: 11-2-4 1330

SPECIAL INSTRUCTIONS

(1) Metals by ICP - 6010 - Quick Turn {Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, Silver}

CCK 11-2-11

Matrix *
S=Soil
SE=Sediment
SO=Solid
SI=Sludge
W=Water
O=Oil
A=Air
DS=Drum Solids
DL=Drum Liquids
T=Tissue
WI=Wipe
L=Liquid
V=Vegetation
X=Other

LABORATORY SECTION	Received By	Title	Date/Time
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

WCH-EE-011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Sample Check-in List

Date/Time Received: 11-2-11 | 1330 Container GM Screen Result: (Airlock) .3 Initials[ ]
Sample GM Screen Result (Sample Receiving) .06 Initials[ ]

Client: WCH SDG #: J013158 NA [ ] SAF #: RC-074 NA [ ]

Lot Number: J1K020458

Chain of Custody # RC-074-321

Shipping Container ID: hand delivered NA [✓] Air Bill Number: NA [✓]

Samples received inside shipping container/cooler/box Yes [✓] Continue with 1 through 4. Initial appropriate response.
No [ ] Go to 5, add comment to #16.

1. Custody Seals on shipping container intact? Yes [ ] No [ ] No Custody Seal [✓]
2. Custody Seals dated and signed? Yes [ ] No [ ] No Custody Seal [✓]
3. Cooler temperature: 0 °C on ICE NA [ ]
4. Vermiculite/packing materials is NA [✓] Wet [ ] Dry [ ]

Item 5 through 16 for samples. Initial appropriate response.

5. Chain of Custody record present? Yes [✓] No [ ]
6. Number of samples received (Each sample may contain multiple bottles): 14
7. Containers received: 14 x 125 mLp
8. Sample holding times exceeded? NA [ ] Yes [ ] No [✓]
9. Samples have:
   ____ tape
   [✓] custody seals
   ____ hazard labels
   [✓] appropriate sample labels
10. Matrix:
    [✓] A (FLT, Wipe, Solid, Soil)
    ____ S (Air, Niosh 7400)
    ____ I (Water)
    ____ T (Biological, Ni-63)
11. Samples:
    [✓] are in good condition
    ____ are broken
    ____ Other
    ____ are leaking
    ____ have air bubbles (Only for samples requiring no head space)
12. Sample pH appropriate for analysis requested Yes [ ] No [ ] NA [✓]
    (If acidification is necessary, then document sample ID, initial pH, amount of HNO_3 added and pH after addition on table overleaf)

    RPL ID # of preservative used :
13. Were any anomalies identified in sample receipt? Yes [ ] No [✓]
14. Description of anomalies (include sample numbers): NA [✓]

LS-023, Rev. 15, 07/11 See over for additional information.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

15. Sample Location, Sample Collector Listed on COC? * Yes [✓] No [ ]
*For documentation only. No corrective action needed.

16. Additional Information:

[ ] Client/Courier denied temperature check. [✓] Client/Courier unpack cooler.

Sample Custodian: [illegible] | 1330 Date: 11-2-11

Client Informed on ____ by ____ Person contacted ____

[✓] No action necessary; process as is

Project Manager [illegible] Date 11/2/11

SAMPLE ID	Initial pH	Acid Amt	Final pH	SAMPLE ID	Initial pH	Acid Amt	Final pH

JTK020458 RW 11/2/11

LS-023, Rev. 15, 07/11

See over for additional information.