0098046

SAF-RC-154
618-10 & 618-11 Field Remediation – Soil In-Process
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Kathy Wendt H4-21 KW 8/18/11
INITIAL/DATE

COMMENTS:

SDG J01208 SAF-RC-154

Rad only ☑ Chem only Rad & Chem

☑ Complete Partial

Sample Location/Waste Site: 618-10 East Surge Trench Soil

RECEIVED
SEP 12 2011
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

SDG Number:J01208

Data Package Contains 44 Pages

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Certificate of Analysis

Washington Closure Hanford
2620 Fermi Avenue
Richland, WA 99354

August 17, 2011

Attention: Joan Kessner

SAF Number	:	RC-154
Date SDG Closed	:	August 4, 2011
Number of Samples	:	Twenty Two (22)
Sample Type	:	Soil
SDG Number	:	J01208
Data Deliverable	:	Quick Turn Metals / Summary

CASE NARRATIVE

I. Introduction

Between August 2, 2011 and August 4, 2011, twenty two soil samples were received at TestAmerica for ICP metals 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
J1KM80	MLCW9	SOIL	8/2/11
J1KM81	MLCXC	SOIL	8/2/11
J1KM82	MLCXD	SOIL	8/2/11
J1KM83	MLCXF	SOIL	8/2/11
J1KM84	MLCXG	SOIL	8/2/11
J1KM85	MLC21	SOIL	8/2/11
J1KM86	MLC24	SOIL	8/2/11
J1KM87	MLC26	SOIL	8/2/11
J1KM88	MLC29	SOIL	8/2/11
J1KM89	MLC3D	SOIL	8/2/11
J1KM90	MCL4C	SOIL	8/2/11
J1KM91	MCL4K	SOIL	8/2/11
J1KM95	MLEFJ	SOIL	8/4/11
J1KM96	MLEFM	SOIL	8/4/11
J1KM97	MLEFP	SOIL	8/4/11
J1KM98	MLEFR	SOIL	8/4/11
J1KM99	MLEF0	SOIL	8/4/11
J1KMC0	MLEF6	SOIL	8/4/11
J1KMC1	MLEF7	SOIL	8/4/11
J1KMC2	MLECE	SOIL	8/4/11

WCH ID#	TARL ID#	MATRIX	DATE OF RECEIPT
J1KMC3	MLEGF	SOIL	8/4/11
J1KMC4	MLEGJ	SOIL	8/4/11

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 J01208 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
Four batches were analyzed in August for the samples with the standard metal request list.

Batch 1214256:
The LCS, batch blank, samples, sample duplicate, MS, MSD, ICB, ICV, CCB and CCV results are within contractual limits.

Batch 1214258:
The LCS, batch blank, samples, sample duplicate, MS, MSD, ICB, ICV, CCB and CCV results are within contractual limits.

Batch 1215063:
The LCS, batch blank, samples, sample duplicate, MS, MSD, ICB, ICV, CCB and CCV results are within contractual limits.

Batch 1216108:
The LCS, batch blank, samples, sample duplicate, MS, MSD, ICB, ICV, CCB and CCV results are within contractual limits.

Washington Closure Hanford
August 17, 2011

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: J01208
SAF: RC-154
BATCH: 1214256, 1214258 & 1215063
ANALYSIS DATE: 8/03/11

Client_id	Matrix	Result_typ	Cas_nbr	Parameter	Result	Qualifier	Units	Reporting_Lim	Reporting_Lim	Uncertainty_1s	Analyzed_sa_size	Analyzed_:	Decision_level_l	LCSRecc	AddedAn	Analysis_date_time	Batch_nbr	Test_Metl	Lab_sample_id
J1KM85	SOIL	BS	7440-22-4	Ag	-3.48E+00	U	UG/G	1.10E+00	1.10E+00	4.00E-02	0.2502	G	3.32E-02			8/3/2011 2:40	1214256	46DQ	MLC211A0
J1KM85	SOIL	BS	7440-38-2	As	1.09E+00	U	UG/G	4.32E+00	4.32E+00	1.00E+00	0.2502	G	8.25E-01			8/3/2011 2:40	1214256	46DQ	MLC211A0
J1KM85	SOIL	BS	7440-39-3	Ba	5.95E+01		UG/G	8.99E-01	8.99E-01	3.00E-01	0.2502	G	2.50E-01			8/3/2011 2:40	1214256	46DQ	MLC211A0
J1KM85	SOIL	BS	7440-41-7	Beryllium	1.89E-01		UG/G	1.20E-01	1.20E-01	1.50E-02	0.2502	G	1.27E-02			8/3/2011 2:40	1214256	46DQ	MLC211A0
J1KM85	SOIL	BS	7440-43-9	Cadmium	1.16E-01	U	UG/G	1.76E+00	1.76E+00	4.50E-02	0.2502	G	3.72E-02			8/3/2011 2:40	1214256	46DQ	MLC211A0
J1KM85	SOIL	BS	7440-47-3	Chromium	3.20E+00		UG/G	9.99E-01	9.99E-01	3.00E-01	0.2502	G	2.43E-01			8/3/2011 2:40	1214256	46DQ	MLC211A0
J1KM85	SOIL	BS	7439-92-1	Lead	2.43E+00	U	UG/G	3.48E+00	3.48E+00	4.30E-01	0.2502	G	3.50E-01			8/3/2011 2:40	1214256	46DQ	MLC211A0
J1KM85	SOIL	BS	7782-49-2	Se	6.20E-01	U	UG/G	8.35E+00	8.35E+00	1.00E+00	0.2502	G	8.31E-01			8/3/2011 2:40	1214256	46DQ	MLC211A0
J1KM86	SOIL	BS	7440-22-4	Ag	-3.17E+00	U	UG/G	1.10E+00	1.10E+00	9.90E-02	0.2505	G	8.12E-02			8/3/2011 2:59	1214256	46DQ	MLC241AA
J1KM86	SOIL	BS	7440-38-2	As	1.34E+00	U	UG/G	4.31E+00	4.31E+00	7.70E-01	0.2505	G	6.34E-01			8/3/2011 2:59	1214256	46DQ	MLC241AA
J1KM86	SOIL	BS	7440-39-3	Ba	5.33E+01		UG/G	8.98E-01	8.98E-01	4.70E-01	0.2505	G	3.86E-01			8/3/2011 2:59	1214256	46DQ	MLC241AA
J1KM86	SOIL	BS	7440-41-7	Beryllium	1.87E-01		UG/G	1.20E-01	1.20E-01	3.70E-03	0.2505	G	3.08E-03			8/3/2011 2:59	1214256	46DQ	MLC241AA
J1KM86	SOIL	BS	7440-43-9	Cadmium	1.07E-01	U	UG/G	1.76E+00	1.76E+00	8.00E-02	0.2505	G	6.58E-02			8/3/2011 2:59	1214256	46DQ	MLC241AA
J1KM86	SOIL	BS	7440-47-3	Chromium	2.68E+00		UG/G	9.98E-01	9.98E-01	1.30E-01	0.2505	G	1.09E-01			8/3/2011 2:59	1214256	46DQ	MLC241AA
J1KM86	SOIL	BS	7439-92-1	Lead	2.17E+00	U	UG/G	3.47E+00	3.47E+00	6.40E-01	0.2505	G	5.23E-01			8/3/2011 2:59	1214256	46DQ	MLC241AA
J1KM86	SOIL	BS	7782-49-2	Se	3.73E-02	U	UG/G	8.34E+00	8.34E+00	4.20E-01	0.2505	G	3.48E-01			8/3/2011 2:59	1214256	46DQ	MLC241AA
J1KM87	SOIL	BS	7440-22-4	Ag	-3.39E+00	U	UG/G	1.09E+00	1.09E+00	6.70E-02	0.2531	G	5.50E-02			8/3/2011 3:02	1214256	46DQ	MLC261AA
J1KM87	SOIL	BS	7440-38-2	As	1.36E+00	U	UG/G	4.27E+00	4.27E+00	3.30E-01	0.2531	G	2.73E-01			8/3/2011 3:02	1214256	46DQ	MLC261AA
J1KM87	SOIL	BS	7440-39-3	Ba	5.09E+01		UG/G	8.89E-01	8.89E-01	5.20E-01	0.2531	G	4.25E-01			8/3/2011 3:02	1214256	46DQ	MLC261AA
J1KM87	SOIL	BS	7440-41-7	Beryllium	1.86E-01		UG/G	1.19E-01	1.19E-01	1.60E-02	0.2531	G	1.36E-02			8/3/2011 3:02	1214256	46DQ	MLC261AA
J1KM87	SOIL	BS	7440-43-9	Cadmium	1.21E-01	U	UG/G	1.74E+00	1.74E+00	5.30E-02	0.2531	G	4.37E-02			8/3/2011 3:02	1214256	46DQ	MLC261AA
J1KM87	SOIL	BS	7440-47-3	Chromium	3.27E+00		UG/G	9.88E-01	9.88E-01	1.50E-01	0.2531	G	1.23E-01			8/3/2011 3:02	1214256	46DQ	MLC261AA
J1KM87	SOIL	BS	7439-92-1	Lead	2.34E+00	U	UG/G	3.44E+00	3.44E+00	2.30E-01	0.2531	G	1.85E-01			8/3/2011 3:02	1214256	46DQ	MLC261AA
J1KM87	SOIL	BS	7782-49-2	Se	4.89E-01	U	UG/G	8.26E+00	8.26E+00	1.60E+00	0.2531	G	1.30E+00			8/3/2011 3:02	1214256	46DQ	MLC261AA
J1KM88	SOIL	BS	7440-22-4	Ag	-3.28E+00	U	UG/G	1.08E+00	1.08E+00	5.90E-02	0.2542	G	4.81E-02			8/3/2011 3:05	1214256	46DQ	MLC291AA
J1KM88	SOIL	BS	7440-38-2	As	1.30E+00	U	UG/G	4.25E+00	4.25E+00	4.20E-01	0.2542	G	3.48E-01			8/3/2011 3:05	1214256	46DQ	MLC291AA
J1KM88	SOIL	BS	7440-39-3	Ba	5.62E+01		UG/G	8.85E-01	8.85E-01	1.20E+00	0.2542	G	9.60E-01			8/3/2011 3:05	1214256	46DQ	MLC291AA
J1KM88	SOIL	BS	7440-41-7	Beryllium	1.90E-01		UG/G	1.18E-01	1.18E-01	1.00E-02	0.2542	G	8.53E-03			8/3/2011 3:05	1214256	46DQ	MLC291AA
J1KM88	SOIL	BS	7440-43-9	Cadmium	1.00E-01	U	UG/G	1.73E+00	1.73E+00	6.70E-02	0.2542	G	5.47E-02			8/3/2011 3:05	1214256	46DQ	MLC291AA
J1KM88	SOIL	BS	7440-47-3	Chromium	2.77E+00		UG/G	9.83E-01	9.83E-01	1.60E-01	0.2542	G	1.33E-01			8/3/2011 3:05	1214256	46DQ	MLC291AA
J1KM88	SOIL	BS	7439-92-1	Lead	2.34E+00	U	UG/G	3.42E+00	3.42E+00	3.40E-01	0.2542	G	2.79E-01			8/3/2011 3:05	1214256	46DQ	MLC291AA
J1KM88	SOIL	BS	7782-49-2	Se	3.84E-01	U	UG/G	8.22E+00	8.22E+00	5.10E-01	0.2542	G	4.15E-01			8/3/2011 3:05	1214256	46DQ	MLC291AA
J1KM89	SOIL	BS	7440-22-4	Ag	-3.63E+00	U	UG/G	1.10E+00	1.10E+00	1.90E-01	0.2506	G	1.53E-01			8/3/2011 3:07	1214256	46DQ	MLC3D1AA
J1KM89	SOIL	BS	7440-38-2	As	1.66E+00	U	UG/G	4.31E+00	4.31E+00	5.00E-01	0.2506	G	4.09E-01			8/3/2011 3:07	1214256	46DQ	MLC3D1AA
J1KM89	SOIL	BS	7440-39-3	Ba	6.01E+01		UG/G	8.98E-01	8.98E-01	7.90E-01	0.2506	G	6.52E-01			8/3/2011 3:07	1214256	46DQ	MLC3D1AA
J1KM89	SOIL	BS	7440-41-7	Beryllium	2.02E-01		UG/G	1.20E-01	1.20E-01	8.10E-03	0.2506	G	6.63E-03			8/3/2011 3:07	1214256	46DQ	MLC3D1AA
J1KM89	SOIL	BS	7440-43-9	Cadmium	7.66E-02	U	UG/G	1.76E+00	1.76E+00	2.70E-02	0.2506	G	2.18E-02			8/3/2011 3:07	1214256	46DQ	MLC3D1AA
J1KM89	SOIL	BS	7440-47-3	Chromium	4.52E+00		UG/G	9.98E-01	9.98E-01	1.10E-01	0.2506	G	9.22E-02			8/3/2011 3:07	1214256	46DQ	MLC3D1AA
J1KM89	SOIL	BS	7439-92-1	Lead	2.51E+00	U	UG/G	3.47E+00	3.47E+00	5.00E-01	0.2506	G	4.08E-01			8/3/2011 3:07	1214256	46DQ	MLC3D1AA
J1KM89	SOIL	BS	7782-49-2	Se	6.13E-01	U	UG/G	8.34E+00	8.34E+00	5.90E-01	0.2506	G	4.81E-01			8/3/2011 3:07	1214256	46DQ	MLC3D1AA
J1KM90	SOIL	BS	7440-22-4	Ag	-1.72E+00	U	UG/G	1.11E+00	1.11E+00	7.80E-02	0.2479	G	6.43E-02			8/3/2011 14:40	1214258	46DQ	MLC4C1A0
J1KM90	SOIL	BS	7440-38-2	As	2.18E+00	U	UG/G	4.36E+00	4.36E+00	4.80E-01	0.2479	G	3.95E-01			8/3/2011 14:40	1214258	46DQ	MLC4C1A0
J1KM90	SOIL	BS	7440-39-3	Ba	5.66E+01		UG/G	9.08E-01	9.08E-01	7.70E-01	0.2479	G	6.35E-01			8/3/2011 14:40	1214258	46DQ	MLC4C1A0
J1KM90	SOIL	BS	7440-41-7	Beryllium	2.19E-01		UG/G	1.21E-01	1.21E-01	7.00E-03	0.2479	G	5.78E-03			8/3/2011 14:40	1214258	46DQ	MLC4C1A0
J1KM90	SOIL	BS	7440-43-9	Cadmium	1.17E-01	U	UG/G	1.77E+00	1.77E+00	5.30E-02	0.2479	G	4.38E-02			8/3/2011 14:40	1214258	46DQ	MLC4C1A0
J1KM90	SOIL	BS	7440-47-3	Chromium	2.72E+00		UG/G	1.01E+00	1.01E+00	9.20E-02	0.2479	G	7.53E-02			8/3/2011 14:40	1214258	46DQ	MLC4C1A0
J1KM90	SOIL	BS	7439-92-1	Lead	2.68E+00	U	UG/G	3.51E+00	3.51E+00	3.00E-01	0.2479	G	2.48E-01			8/3/2011 14:40	1214258	46DQ	MLC4C1A0
J1KM90	SOIL	BS	7782-49-2	Se	2.37E-02	U	UG/G	8.43E+00	8.43E+00	1.40E+00	0.2479	G	1.15E+00			8/3/2011 14:40	1214258	46DQ	MLC4C1A0
J1KM91	SOIL	BS	7440-22-4	Ag	-1.58E+00	U	UG/G	1.09E+00	1.09E+00	7.60E-02	0.2529	G	6.22E-02			8/3/2011 14:51	1214258	46DQ	MLC4K1AA
J1KM91	SOIL	BS	7440-38-2	As	1.71E+00	U	UG/G	4.27E+00	4.27E+00	3.50E-01	0.2529	G	2.85E-01			8/3/2011 14:51	1214258	46DQ	MLC4K1AA
J1KM91	SOIL	BS	7440-39-3	Ba	4.99E+01		UG/G	8.90E-01	8.90E-01	3.80E-01	0.2529	G	3.12E-01			8/3/2011 14:51	1214258	46DQ	MLC4K1AA
J1KM91	SOIL	BS	7440-41-7	Beryllium	2.09E-01		UG/G	1.19E-01	1.19E-01	1.30E-02	0.2529	G	1.06E-02			8/3/2011 14:51	1214258	46DQ	MLC4K1AA
J1KM91	SOIL	BS	7440-43-9	Cadmium	1.05E-01	U	UG/G	1.74E+00	1.74E+00	1.80E-02	0.2529	G	1.46E-02			8/3/2011 14:51	1214258	46DQ	MLC4K1AA
J1KM91	SOIL	BS	7440-47-3	Chromium	4.45E+00		UG/G	9.89E-01	9.89E-01	2.60E-01	0.2529	G	2.10E-01			8/3/2011 14:51	1214258	46DQ	MLC4K1AA
J1KM91	SOIL	BS	7439-92-1	Lead	2.51E+00	U	UG/G	3.44E+00	3.44E+00	3.90E-01	0.2529	G	3.25E-01			8/3/2011 14:51	1214258	46DQ	MLC4K1AA
J1KM91	SOIL	BS	7782-49-2	Se	1.23E-01	U	UG/G	8.26E+00	8.26E+00	1.00E+00	0.2529	G	8.35E-01			8/3/2011 14:51	1214258	46DQ	MLC4K1AA
J1KM80	SOIL	BS	7440-22-4	Ag	-7.16E-01	U	UG/G	1.09E+00	1.09E+00	1.10E-01	0.2514	G	8.68E-02			8/3/2011	1215063	46DQ	MLCW91A0
J1KM80	SOIL	BS	7440-38-2	As	1.28E+00	U	UG/G	4.30E+00	4.30E+00	4.50E-01	0.2514	G	3.67E-01			8/3/2011	1215063	46DQ	MLCW91A0
J1KM80	SOIL	BS	7440-39-3	Ba	9.21E+01		UG/G	8.95E-01	8.95E-01	6.10E-01	0.2514	G	5.04E-01			8/3/2011	1215063	46DQ	MLCW91A0
J1KM80	SOIL	BS	7440-41-7	Beryllium	1.96E-01		UG/G	1.19E-01	1.19E-01	9.20E-03	0.2514	G	7.55E-03			8/3/2011	1215063	46DQ	MLCW91A0
J1KM80	SOIL	BS	7440-43-9	Cadmium	6.91E-02	U	UG/G	1.75E+00	1.75E+00	1.50E-02	0.2514	G	1.21E-02			8/3/2011	1215063	46DQ	MLCW91A0
J1KM80	SOIL	BS	7440-47-3	Chromium	3.25E+00		UG/G	9.94E-01	9.94E-01	6.80E-02	0.2514	G	5.62E-02			8/3/2011	1215063	46DQ	MLCW91A0
J1KM80	SOIL	BS	7439-92-1	Lead	2.22E+00	U	UG/G	3.46E+00	3.46E+00	5.50E-01	0.2514	G	4.54E-01			8/3/2011	1215063	46DQ	MLCW91A0
J1KM80	SOIL	BS	7782-49-2	Se	8.29E-02	U	UG/G	8.31E+00	8.31E+00	6.20E-01	0.2514	G	5.13E-01			8/3/2011	1215063	46DQ	MLCW91A0
J1KM81	SOIL	BS	7440-22-4	Ag	-7.53E-01	U	UG/G	1.10E+00	1.10E+00	7.10E-02	0.2507	G	5.87E-02			8/3/2011	1215063	46DQ	MLCXC1AA
J1KM81	SOIL	BS	7440-38-2	As	2.74E+00	U	UG/G	4.31E+00	4.31E+00	3.10E-01	0.2507	G	2.59E-01			8/3/2011	1215063	46DQ	MLCXC1AA
J1KM81	SOIL	BS	7440-39-3	Ba	6.26E+01		UG/G	8.97E-01	8.97E-01	3.80E-01	0.2507	G	3.09E-01			8/3/2011	1215063	46DQ	MLCXC1AA
J1KM81	SOIL	BS	7440-41-7	Beryllium	2.12E-01		UG/G	1.20E-01	1.20E-01	1.20E-02	0.2507	G	9.89E-03			8/3/2011	1215063	46DQ	MLCXC1AA
J1KM81	SOIL	BS	7440-43-9	Cadmium	8.85E-02	U	UG/G	1.76E+00	1.76E+00	2.30E-02	0.2507	G	1.87E-02			8/3/2011	1215063	46DQ	MLCXC1AA
J1KM81	SOIL	BS	7440-47-3	Chromium	7.34E+00		UG/G	9.97E-01	9.97E-01	1.10E-01	0.2507	G	9.04E-02			8/3/2011	1215063	46DQ	MLCXC1AA
J1KM81	SOIL	BS	7439-92-1	Lead	2.49E+00	U	UG/G	3.47E+00	3.47E+00	1.10E-01	0.2507	G	9.07E-02			8/3/2011	1215063	46DQ	MLCXC1AA
J1KM81	SOIL	BS	7782-49-2	Se	4.89E-01	U	UG/G	8.34E+00	8.34E+00	1.10E+00	0.2507	G	8.89E-01			8/3/2011	1215063	46DQ	MLCXC1AA
J1KM82	SOIL	BS	7440-22-4	Ag	-7.04E-01	U	UG/G	1.10E+00	1.10E+00	1.40E-01	0.2497	G	1.13E-01			8/3/2011	1215063	46DQ	MLCXD1AA
J1KM82	SOIL	BS	7440-38-2	As	1.63E+00	U	UG/G	4.33E+00	4.33E+00	3.90E-01	0.2497	G	3.20E-01			8/3/2011	1215063	46DQ	MLCXD1AA
J1KM82	SOIL	BS	7440-39-3	Ba	6.18E+01		UG/G	9.01E-01	9.01E-01	7.00E-01	0.2497	G	5.77E-01			8/3/2011	1215063	46DQ	MLCXD1AA
J1KM82	SOIL	BS	7440-41-7	Beryllium	2.04E-01		UG/G	1.20E-01	1.20E-01	1.10E-02	0.2497	G	9.03E-03			8/3/2011	1215063	46DQ	MLCXD1AA
J1KM82	SOIL	BS	7440-43-9	Cadmium	7.71E-02	U	UG/G	1.76E+00	1.76E+00	6.70E-02	0.2497	G	5.49E-02			8/3/2011	1215063	46DQ	MLCXD1AA
J1KM82	SOIL	BS	7440-47-3	Chromium	3.38E+00		UG/G	1.00E+00	1.00E+00	1.40E-01	0.2497	G	1.17E-01			8/3/2011	1215063	46DQ	MLCXD1AA
J1KM82	SOIL	BS	7439-92-1	Lead	2.37E+00	U	UG/G	3.48E+00	3.48E+00	2.90E-01	0.2497	G	2.36E-01			8/3/2011	1215063	46DQ	MLCXD1AA

Client_id	Matrix	Result_typ	Cas_nbr	Parameter	Result	Qualifier	Units	Reporting_Lim	Reporting_Lim	Uncertainty_1s	Analyzed_sa_size	Analyzed_	Decision_level_	LCS	Recc	Added	An	Analysis_date_tim	Batch_nbr	Test_Metl	Lab_sample_id
J1KM82	SOIL	BS	7782-49-2	Se	1.39E-02	U	UG/G	2.09E+00	2.09E+00	1.30E-01	0.2497	G	1.07E-01					8/3/2011	1215063	46DQ	MLCXD1AA
J1KM82	SOIL	BS	7782-49-2	Se	5.57E-02	U	UG/G	8.37E+00	8.37E+00	5.20E-01	0.2497	G	4.28E-01					8/3/2011	1215063	46DQ	MLCXD1AA
J1KM83	SOIL	BS	7440-22-4	Ag	-7.78E-01	U	UG/G	1.11E+00	1.11E+00	1.60E-01	0.2486	G	1.32E-01					8/3/2011	1215063	46DQ	MLCXF1AA
J1KM83	SOIL	BS	7440-38-2	As	1.67E+00	U	UG/G	4.34E+00	4.34E+00	3.80E-01	0.2486	G	3.11E-01					8/3/2011	1215063	46DQ	MLCXF1AA
J1KM83	SOIL	BS	7440-39-3	Ba	6.60E+01		UG/G	9.05E-01	9.05E-01	6.40E-01	0.2486	G	5.26E-01					8/3/2011	1215063	46DQ	MLCXF1AA
J1KM83	SOIL	BS	7440-41-7	Beryllium	1.74E-01		UG/G	1.21E-01	1.21E-01	6.40E-03	0.2486	G	5.28E-03					8/3/2011	1215063	46DQ	MLCXF1AA
J1KM83	SOIL	BS	7440-43-9	Cadmium	6.80E-02	U	UG/G	1.77E+00	1.77E+00	6.80E-02	0.2486	G	5.58E-02					8/3/2011	1215063	46DQ	MLCXF1AA
J1KM83	SOIL	BS	7440-47-3	Chromium	2.72E+00		UG/G	1.01E+00	1.01E+00	1.50E-01	0.2486	G	1.22E-01					8/3/2011	1215063	46DQ	MLCXF1AA
J1KM83	SOIL	BS	7439-92-1	Lead	2.11E+00	U	UG/G	3.50E+00	3.50E+00	3.40E-01	0.2486	G	2.79E-01					8/3/2011	1215063	46DQ	MLCXF1AA
J1KM83	SOIL	BS	7782-49-2	Se	-4.57E-02	U	UG/G	8.41E+00	8.41E+00	5.30E-01	0.2486	G	4.35E-01					8/3/2011	1215063	46DQ	MLCXF1AA
J1KM84	SOIL	BS	7440-22-4	Ag	-9.83E-01	U	UG/G	1.09E+00	1.09E+00	1.30E-01	0.2516	G	1.05E-01					8/3/2011 1:16	1215063	46DQ	MLCXG1AA
J1KM84	SOIL	BS	7440-38-2	As	1.48E+00	U	UG/G	4.29E+00	4.29E+00	3.80E-01	0.2516	G	3.12E-01					8/3/2011 1:16	1215063	46DQ	MLCXG1AA
J1KM84	SOIL	BS	7440-39-3	Ba	6.08E+01		UG/G	8.94E-01	8.94E-01	3.00E-01	0.2516	G	2.43E-01					8/3/2011 1:16	1215063	46DQ	MLCXG1AA
J1KM84	SOIL	BS	7440-41-7	Beryllium	2.04E-01		UG/G	1.19E-01	1.19E-01	4.20E-03	0.2516	G	3.42E-03					8/3/2011 1:16	1215063	46DQ	MLCXG1AA
J1KM84	SOIL	BS	7440-43-9	Cadmium	9.08E-02	U	UG/G	1.75E+00	1.75E+00	2.70E-02	0.2516	G	2.19E-02					8/3/2011 1:16	1215063	46DQ	MLCXG1AA
J1KM84	SOIL	BS	7440-47-3	Chromium	4.47E+00		UG/G	9.94E-01	9.94E-01	2.30E-02	0.2516	G	1.91E-02					8/3/2011 1:16	1215063	46DQ	MLCXG1AA
J1KM84	SOIL	BS	7439-92-1	Lead	2.36E+00	U	UG/G	3.46E+00	3.46E+00	1.20E-01	0.2516	G	9.67E-02					8/3/2011 1:16	1215063	46DQ	MLCXG1AA
J1KM84	SOIL	BS	7782-49-2	Se	2.19E-01	U	UG/G	8.31E+00	8.31E+00	2.30E-01	0.2516	G	1.92E-01					8/3/2011 1:16	1215063	46DQ	MLCXG1AA
INTRA-LAB	ESOIL	BLK	7440-22-4	Ag	-9.43E-03	U	MG/L	5.50E-03	5.50E-03	8.00E-04	1	L	6.60E-04					8/3/2011 2:32	1214256	46DQ	MLC5F1AA
INTRA-LAB	ESOIL	BLK	7440-38-2	As	-2.52E-03	U	MG/L	2.16E-02	2.16E-02	3.80E-03	1	L	3.10E-03					8/3/2011 2:32	1214256	46DQ	MLC5F1AA
INTRA-LAB	ESOIL	BLK	7440-39-3	Ba	1.40E-04	U	MG/L	4.50E-03	4.50E-03	1.90E-04	1	L	1.58E-04					8/3/2011 2:32	1214256	46DQ	MLC5F1AA
INTRA-LAB	ESOIL	BLK	7440-41-7	Beryllium	4.82E-05	U	MG/L	6.00E-04	6.00E-04	2.70E-05	1	L	2.22E-05					8/3/2011 2:32	1214256	46DQ	MLC5F1AA
INTRA-LAB	ESOIL	BLK	7440-43-9	Cadmium	1.78E-04	U	MG/L	8.80E-03	8.80E-03	2.90E-04	1	L	2.41E-04					8/3/2011 2:32	1214256	46DQ	MLC5F1AA
INTRA-LAB	ESOIL	BLK	7440-47-3	Chromium	-4.38E-04	U	MG/L	5.00E-03	5.00E-03	9.10E-04	1	L	7.49E-04					8/3/2011 2:32	1214256	46DQ	MLC5F1AA
INTRA-LAB	ESOIL	BLK	7439-92-1	Lead	-2.25E-04	U	MG/L	1.74E-02	1.74E-02	8.20E-04	1	L	6.71E-04					8/3/2011 2:32	1214256	46DQ	MLC5F1AA
INTRA-LAB	ESOIL	BLK	7782-49-2	Se	1.26E-03	U	MG/L	4.18E-02	4.18E-02	2.90E-03	1	L	2.38E-03					8/3/2011 2:32	1214256	46DQ	MLC5F1AA
INTRA-LAB	CSOIL	LCS	7440-22-4	Ag	8.41E-01		MG/L	5.50E-03	5.50E-03	9.30E-03	1	L	7.62E-03	0.84		1		8/3/2011 2:35	1214256	46DQ	MLC5F1AA
INTRA-LAB	CSOIL	LCS	7440-38-2	As	8.94E-01		MG/L	2.16E-02	2.16E-02	1.00E-02	1	L	8.63E-03	0.89		1		8/3/2011 2:35	1214256	46DQ	MLC5F1AA
INTRA-LAB	CSOIL	LCS	7440-39-3	Ba	8.90E-01		MG/L	4.50E-03	4.50E-03	8.10E-03	1	L	6.63E-03	0.89		1		8/3/2011 2:35	1214256	46DQ	MLC5F1AA
INTRA-LAB	CSOIL	LCS	7440-41-7	Beryllium	9.06E-01		MG/L	6.00E-04	6.00E-04	7.70E-03	1	L	6.34E-03	0.91		1		8/3/2011 2:35	1214256	46DQ	MLC5F1AA
INTRA-LAB	CSOIL	LCS	7440-43-9	Cadmium	8.86E-01		MG/L	8.80E-03	8.80E-03	1.40E-02	1	L	1.16E-02	0.89		1		8/3/2011 2:35	1214256	46DQ	MLC5F1AA
INTRA-LAB	CSOIL	LCS	7440-47-3	Chromium	8.67E-01		MG/L	5.00E-03	5.00E-03	9.60E-03	1	L	7.91E-03	0.87		1		8/3/2011 2:35	1214256	46DQ	MLC5F1AA
INTRA-LAB	CSOIL	LCS	7439-92-1	Lead	8.94E-01		MG/L	1.74E-02	1.74E-02	2.20E-02	1	L	1.82E-02	0.89		1		8/3/2011 2:35	1214256	46DQ	MLC5F1AA
INTRA-LAB	CSOIL	LCS	7782-49-2	Se	8.52E-01		MG/L	4.18E-02	4.18E-02	1.50E-02	1	L	1.20E-02	0.85		1		8/3/2011 2:35	1214256	46DQ	MLC5F1AA
INTRA-LAB	ESOIL	BLK	7440-22-4	Ag	-1.53E-02	U	MG/L	5.50E-02	5.50E-02	5.10E-03	1	L	4.23E-03					8/3/2011 14:56	1214258	46DQ	MLC5K1AA
INTRA-LAB	ESOIL	BLK	7440-38-2	As	-5.18E-04	U	MG/L	2.16E-01	2.16E-01	3.80E-02	1	L	3.12E-02					8/3/2011 14:56	1214258	46DQ	MLC5K1AA
INTRA-LAB	ESOIL	BLK	7440-39-3	Ba	1.48E-03	U	MG/L	4.50E-02	4.50E-02	6.70E-03	1	L	5.53E-03					8/3/2011 14:56	1214258	46DQ	MLC5K1AA
INTRA-LAB	ESOIL	BLK	7440-41-7	Beryllium	1.06E-03	U	MG/L	6.00E-03	6.00E-03	6.70E-04	1	L	5.54E-04					8/3/2011 14:56	1214258	46DQ	MLC5K1AA
INTRA-LAB	ESOIL	BLK	7440-43-9	Cadmium	2.27E-03	U	MG/L	8.80E-02	8.80E-02	1.60E-03	1	L	1.32E-03					8/3/2011 14:56	1214258	46DQ	MLC5K1AA
INTRA-LAB	ESOIL	BLK	7440-47-3	Chromium	-6.54E-03	U	MG/L	5.00E-02	5.00E-02	3.10E-03	1	L	2.53E-03					8/3/2011 14:56	1214258	46DQ	MLC5K1AA
INTRA-LAB	ESOIL	BLK	7439-92-1	Lead	1.28E-02	U	MG/L	1.74E-01	1.74E-01	1.30E-02	1	L	1.05E-02					8/3/2011 14:56	1214258	46DQ	MLC5K1AA
INTRA-LAB	ESOIL	BLK	7782-49-2	Se	-1.10E-02	U	MG/L	4.18E-01	4.18E-01	6.40E-02	1	L	5.23E-02					8/3/2011 14:56	1214258	46DQ	MLC5K1AA
INTRA-LAB	CSOIL	LCS	7440-22-4	Ag	8.55E-01		MG/L	5.50E-03	5.50E-03	8.40E-03	1	L	6.94E-03	0.85		1		8/3/2011 14:35	1214258	46DQ	MLC5K1AA
INTRA-LAB	CSOIL	LCS	7440-38-2	As	8.81E-01		MG/L	2.16E-02	2.16E-02	7.10E-03	1	L	5.86E-03	0.88		1		8/3/2011 14:35	1214258	46DQ	MLC5K1AA
INTRA-LAB	CSOIL	LCS	7440-39-3	Ba	8.86E-01		MG/L	4.50E-03	4.50E-03	2.50E-02	1	L	2.02E-02	0.89		1		8/3/2011 14:35	1214258	46DQ	MLC5K1AA
INTRA-LAB	CSOIL	LCS	7440-41-7	Beryllium	8.95E-01		MG/L	6.00E-04	6.00E-04	5.20E-03	1	L	4.28E-03	0.89		1		8/3/2011 14:35	1214258	46DQ	MLC5K1AA
INTRA-LAB	CSOIL	LCS	7440-43-9	Cadmium	8.72E-01		MG/L	8.80E-03	8.80E-03	4.60E-03	1	L	3.74E-03	0.87		1		8/3/2011 14:35	1214258	46DQ	MLC5K1AA
INTRA-LAB	CSOIL	LCS	7440-47-3	Chromium	8.84E-01		MG/L	5.00E-03	5.00E-03	2.80E-03	1	L	2.31E-03	0.88		1		8/3/2011 14:35	1214258	46DQ	MLC5K1AA
INTRA-LAB	CSOIL	LCS	7439-92-1	Lead	8.70E-01		MG/L	1.74E-02	1.74E-02	6.50E-03	1	L	5.31E-03	0.87		1		8/3/2011 14:35	1214258	46DQ	MLC5K1AA
INTRA-LAB	CSOIL	LCS	7782-49-2	Se	8.50E-01		MG/L	4.18E-02	4.18E-02	2.50E-03	1	L	2.04E-03	0.85		1		8/3/2011 14:35	1214258	46DQ	MLC5K1AA
INTRA-LAB	ESOIL	BLK	7440-22-4	Ag	-5.82E-03	U	MG/L	5.50E-03	5.50E-03	1.20E-03	1	L	1.01E-03					8/3/2011	1215063	46DQ	MLDFA1AA
INTRA-LAB	ESOIL	BLK	7440-38-2	As	-1.21E-03	U	MG/L	2.16E-02	2.16E-02	1.60E-03	1	L	1.34E-03					8/3/2011	1215063	46DQ	MLDFA1AA
INTRA-LAB	ESOIL	BLK	7440-39-3	Ba	-9.32E-05	U	MG/L	4.50E-03	4.50E-03	7.60E-05	1	L	6.26E-05					8/3/2011	1215063	46DQ	MLDFA1AA
INTRA-LAB	ESOIL	BLK	7440-41-7	Beryllium	-6.82E-07	U	MG/L	6.00E-04	6.00E-04	7.30E-05	1	L	5.98E-05					8/3/2011	1215063	46DQ	MLDFA1AA
INTRA-LAB	ESOIL	BLK	7440-43-9	Cadmium	2.32E-05	U	MG/L	8.80E-03	8.80E-03	2.10E-04	1	L	1.75E-04					8/3/2011	1215063	46DQ	MLDFA1AA
INTRA-LAB	ESOIL	BLK	7440-47-3	Chromium	-3.94E-04	U	MG/L	5.00E-03	5.00E-03	6.60E-04	1	L	5.45E-04					8/3/2011	1215063	46DQ	MLDFA1AA
INTRA-LAB	ESOIL	BLK	7439-92-1	Lead	3.77E-04	U	MG/L	1.74E-02	1.74E-02	1.90E-03	1	L	1.54E-03					8/3/2011	1215063	46DQ	MLDFA1AA
INTRA-LAB	ESOIL	BLK	7782-49-2	Se	-1.09E-03	U	MG/L	4.18E-02	4.18E-02	2.50E-03	1	L	2.07E-03					8/3/2011	1215063	46DQ	MLDFA1AA
INTRA-LAB	CSOIL	LCS	7440-22-4	Ag	8.93E-01		MG/L	5.50E-03	5.50E-03	5.20E-03	1	L	4.28E-03	0.89		1		8/3/2011	1215063	46DQ	MLDFA1AA
INTRA-LAB	CSOIL	LCS	7440-38-2	As	9.06E-01		MG/L	2.16E-02	2.16E-02	1.60E-03	1	L	1.29E-03	0.91		1		8/3/2011	1215063	46DQ	MLDFA1AA
INTRA-LAB	CSOIL	LCS	7440-39-3	Ba	9.35E-01		MG/L	4.50E-03	4.50E-03	2.70E-02	1	L	2.25E-02	0.94		1		8/3/2011	1215063	46DQ	MLDFA1AA
INTRA-LAB	CSOIL	LCS	7440-41-7	Beryllium	9.27E-01		MG/L	6.00E-04	6.00E-04	5.50E-03	1	L	4.51E-03	0.93		1		8/3/2011	1215063	46DQ	MLDFA1AA
INTRA-LAB	CSOIL	LCS	7440-43-9	Cadmium	9.07E-01		MG/L	8.80E-03	8.80E-03	5.00E-03	1	L	4.08E-03	0.91		1		8/3/2011	1215063	46DQ	MLDFA1AA
INTRA-LAB	CSOIL	LCS	7440-47-3	Chromium	9.12E-01		MG/L	5.00E-03	5.00E-03	6.60E-03	1	L	5.47E-03	0.91		1		8/3/2011	1215063	46DQ	MLDFA1AA
INTRA-LAB	CSOIL	LCS	7439-92-1	Lead	9.01E-01		MG/L	1.74E-02	1.74E-02	5.80E-03	1	L	4.78E-03	0.9		1		8/3/2011	1215063	46DQ	MLDFA1AA
INTRA-LAB	CSOIL	LCS	7782-49-2	Se	8.87E-01		MG/L	4.18E-02	4.18E-02	9.60E-03	1	L	7.91E-03	0.89		1		8/3/2011	1215063	46DQ	MLDFA1AA
J1KM85	DUP	SOIL	DUP	7440-22-4	Ag	-3.54E+00	U	UG/G	1.09E+00	1.09E+00	2.10E-01	0.2512	G	1.69E-01					8/3/2011 2:57	1214256	46DQ	MLC211A0
J1KM85	DUP	SOIL	DUP	7440-38-2	As	1.25E+00	U	UG/G	4.30E+00	4.30E+00	4.20E-01	0.2512	G	3.48E-01					8/3/2011 2:57	1214256	46DQ	MLC211A0
J1KM85	DUP	SOIL	DUP	7440-39-3	Ba	5.98E+01		UG/G	8.96E-01	8.96E-01	4.40E-01	0.2512	G	3.64E-01					8/3/2011 2:57	1214256	46DQ	MLC211A0
J1KM85	DUP	SOIL	DUP	7440-41-7	Beryllium	1.97E-01		UG/G	1.19E-01	1.19E-01	1.60E-02	0.2512	G	1.35E-02					8/3/2011 2:57	1214256	46DQ	MLC211A0
J1KM85	DUP	SOIL	DUP	7440-43-9	Cadmium	1.29E-01	U	UG/G	1.75E+00	1.75E+00	4.40E-02	0.2512	G	3.61E-02					8/3/2011 2:57	1214256	46DQ	MLC211A0
J1KM85	DUP	SOIL	DUP	7440-47-3	Chromium	3.32E+00		UG/G	9.95E-01	9.95E-01	2.00E-01	0.2512	G	1.62E-01					8/3/2011 2:57	1214256	46DQ	MLC211A0
J1KM85	DUP	SOIL	DUP	7439-92-1	Lead	2.68E+00	U	UG/G	3.46E+00	3.46E+00	4.10E-01	0.2512	G	3.38E-01					8/3/2011 2:57	1214256	46DQ	MLC211A0
J1KM85	DUP	SOIL	DUP	7782-49-2	Se	3.59E-01	U	UG/G	8.32E+00	8.32E+00	1.40E+00	0.2512	G	1.13E+00					8/3/2011 2:57	1214256	46DQ	MLC211A0
J1KM90	DUP	SOIL	DUP	7440-22-4	Ag	-1.67E+00	U	UG/G	1.11E+00	1.11E+00	1.30E-01	0.2487	G	1.04E-01					8/3/2011 14:48	1214258	46DQ	MLC4C1A0
J1KM90	DUP	SOIL	DUP	7440-38-2	As	1.10E+00	U	UG/G	4.34E+00	4.34E+00	6.50E-01	0.2487	G	5.31E-01					8/3/2011 14:48	1214258	46DQ	MLC4C1A0
J1KM90	DUP	SOIL	DUP	7440-39-3	Ba	5.43E+01		UG/G	9.05E-01	9.05E-01	6.10E-01	0.2487	G	5.05E-01					8/3/2011 14:48	1214258	46DQ	MLC4C1A0
J1KM90	DUP	SOIL	DUP	7440-41-7	Beryllium	2.42E-01		UG/G	1.21E-01	1.21E-01	1.70E-02	0.2487	G	1.36E-02					8/3/2011 14:48	1214258	46DQ	MLC4C1A0
J1KM90	DUP	SOIL	DUP	7440-43-9	Cadmium	1.26E-01	U	UG/G	1.77E+00	1.77E+00	3.50E-02	0.2487	G	2.88E-02					8/3/2011 14:48	1214258	46DQ	MLC4C1A0
J1KM90	DUP	SOIL	DUP	7440-47-3	Chromium	2.57E+00		UG/G	1.01E+00	1.01E+00	1.70E-01	0.2487	G	1.36E-01					8/3/2011 14:48	1214258	46DQ	MLC4C1A0
J1KM90	DUP	SOIL	DUP	7439-92-1	Lead	2.44E+00	U	UG/G	3.50E+00	3.50E+00	1.70E-01	0.2487	G	1.41E-01					8/3/2011 14:48	1214258	46DQ	MLC4C1A0
J1KM90	DUP	SOIL	DUP	7782-49-2	Se	6.96E-01	U	UG/G	8.40E+00	8.40E+00	1.00E+00	0.2487	G	8.39E-01					8/3/2011 14:48	1214258	46DQ	MLC4C1A0
J1KM80	DUP	SOIL	DUP	7440-22-4	Ag	-4.76E-01	U	UG/G	1.10E+00	1.10E+00	7.20E-03	0.2504	G	5.92E-03					8/3/2011	1215063	46DQ	MLCW91A0
J1KM80	DUP	SOIL	DUP	7440-38-2	As	1.82E+00	U	UG/G	4.31E+00	4.31E+00	5.20E-01	0.2504	G	4.29E-01					8/3/2011	1215063	46DQ	MLCW91A0
J1KM80	DUP	SOIL	DUP	7440-39-3	Ba	8.23E+01		UG/G	8.99E-01	8.99E-01	7.20E-01	0.2504	G	5.91E-01					8/3/2011	1215063	46DQ	MLCW91A0

Client_id	Matrix	Result_typ	Cas_nbr	Parameter	Result	Qualifier	Units	Reporting_Lim	Reporting_Lim	Uncertainty_1s	Analyzed_sa_size	Analyzed_	Decision_level_	LCSRecc	AddedAn	Analysis_date_tim	Batch_nbr	Test_Metl	Lab_sample_id
J1KM80 DUP	SOIL	DUP	7440-41-7	Beryllium	2.33E-01		UG/G	1.20E-01	1.20E-01	6.90E-03	0.2504	G	5.68E-03			8/3/2011	1215063	46DQ	MLCW91A0
J1KM80 DUP	SOIL	DUP	7440-43-9	Cadmium	7.96E-02	U	UG/G	1.76E+00	1.76E+00	3.80E-02	0.2504	G	3.15E-02			8/3/2011	1215063	46DQ	MLCW91A0
J1KM80 DUP	SOIL	DUP	7440-47-3	Chromium	3.82E+00		UG/G	9.98E-01	9.98E-01	6.90E-02	0.2504	G	5.67E-02			8/3/2011	1215063	46DQ	MLCW91A0
J1KM80 DUP	SOIL	DUP	7439-92-1	Lead	2.28E+00	U	UG/G	3.47E+00	3.47E+00	4.40E-01	0.2504	G	3.66E-01			8/3/2011	1215063	46DQ	MLCW91A0
J1KM80 DUP	SOIL	DUP	7782-49-2	Se	1.52E-01	U	UG/G	8.35E+00	8.35E+00	6.20E-01	0.2504	G	5.08E-01			8/3/2011	1215063	46DQ	MLCW91A0
J1KM85	SOIL	MS	7440-22-4	Ag	1.58E+02		% RECO\	1.10E+00	1.10E+00	3.80E+00	0.2499	L	3.14E+00	0.79	200.1	8/3/2011 2:43	1214256	46DQ	MLC211A0
J1KM85	SOIL	MS	7440-38-2	As	1.75E+02		% RECO\	4.32E+00	4.32E+00	1.50E+00	0.2499	L	1.24E+00	0.88	198.8	8/3/2011 2:43	1214256	46DQ	MLC211A0
J1KM85	SOIL	MS	7440-39-3	Ba	1.55E+02		% RECO\	9.00E-01	9.00E-01	3.70E+01	0.2499	L	3.08E+01	1.07	144.6	8/3/2011 2:43	1214256	46DQ	MLC211A0
J1KM85	SOIL	MS	7440-41-7	Beryllium	1.77E+02		% RECO\	1.20E-01	1.20E-01	4.00E+00	0.2499	L	3.32E+00	0.88	199.9	8/3/2011 2:43	1214256	46DQ	MLC211A0
J1KM85	SOIL	MS	7440-43-9	Cadmium	1.73E+02		% RECO\	1.76E+00	1.76E+00	1.90E+00	0.2499	L	1.52E+00	0.87	199.9	8/3/2011 2:43	1214256	46DQ	MLC211A0
J1KM85	SOIL	MS	7440-47-3	Chromium	1.64E+02		% RECO\	1.00E+00	1.00E+00	4.00E+00	0.2499	L	3.33E+00	0.83	196.2	8/3/2011 2:43	1214256	46DQ	MLC211A0
J1KM85	SOIL	MS	7439-92-1	Lead	1.69E+02		% RECO\	3.48E+00	3.48E+00	2.10E+00	0.2499	L	1.72E+00	0.86	197.2	8/3/2011 2:43	1214256	46DQ	MLC211A0
J1KM85	SOIL	MS	7782-49-2	Se	1.65E+02		% RECO\	8.36E+00	8.36E+00	2.30E+00	0.2499	L	1.87E+00	0.83	199.3	8/3/2011 2:43	1214256	46DQ	MLC211A0
J1KM85	SOIL	MSD	7440-22-4	Ag	1.64E+02		% RECO\	1.10E+00	1.10E+00	2.70E+00	0.2506	L	2.22E+00	0.82	199.5	8/3/2011 2:45	1214256	46DQ	MLC211A0
J1KM85	SOIL	MSD	7440-38-2	As	1.83E+02		% RECO\	4.31E+00	4.31E+00	9.90E-01	0.2506	L	8.13E-01	0.92	198.3	8/3/2011 2:45	1214256	46DQ	MLC211A0
J1KM85	SOIL	MSD	7440-39-3	Ba	1.71E+02		% RECO\	8.98E-01	8.98E-01	9.40E+00	0.2506	L	7.72E+00	1.16	148.2	8/3/2011 2:45	1214256	46DQ	MLC211A0
J1KM85	SOIL	MSD	7440-41-7	Beryllium	1.84E+02		% RECO\	1.20E-01	1.20E-01	3.90E+00	0.2506	L	3.18E+00	0.92	199.3	8/3/2011 2:45	1214256	46DQ	MLC211A0
J1KM85	SOIL	MSD	7440-43-9	Cadmium	1.78E+02		% RECO\	1.76E+00	1.76E+00	6.50E-01	0.2506	L	5.32E-01	0.89	199.4	8/3/2011 2:45	1214256	46DQ	MLC211A0
J1KM85	SOIL	MSD	7440-47-3	Chromium	1.71E+02		% RECO\	9.98E-01	9.98E-01	2.10E+00	0.2506	L	1.72E+00	0.87	195.9	8/3/2011 2:45	1214256	46DQ	MLC211A0
J1KM85	SOIL	MSD	7439-92-1	Lead	1.74E+02		% RECO\	3.47E+00	3.47E+00	2.10E-01	0.2506	L	1.71E-01	0.88	196.8	8/3/2011 2:45	1214256	46DQ	MLC211A0
J1KM85	SOIL	MSD	7782-49-2	Se	1.71E+02		% RECO\	8.34E+00	8.34E+00	8.50E-01	0.2506	L	6.95E-01	0.86	198.8	8/3/2011 2:45	1214256	46DQ	MLC211A0
J1KM90	SOIL	MS	7440-22-4	Ag	1.69E+02		% RECO\	1.10E+00	1.10E+00	3.20E-01	0.251	L	2.67E-01	0.85	198.5	8/3/2011 14:43	1214258	46DQ	MLC4C1A0
J1KM90	SOIL	MS	7440-38-2	As	1.76E+02		% RECO\	4.30E+00	4.30E+00	1.70E+00	0.251	L	1.43E+00	0.89	196.7	8/3/2011 14:43	1214258	46DQ	MLC4C1A0
J1KM90	SOIL	MS	7440-39-3	Ba	1.62E+02		% RECO\	8.96E-01	8.96E-01	7.90E+00	0.251	L	6.46E+00	1.12	144.4	8/3/2011 14:43	1214258	46DQ	MLC4C1A0
J1KM90	SOIL	MS	7440-41-7	Beryllium	1.80E+02		% RECO\	1.20E-01	1.20E-01	1.20E+00	0.251	L	9.90E-01	0.9	199	8/3/2011 14:43	1214258	46DQ	MLC4C1A0
J1KM90	SOIL	MS	7440-43-9	Cadmium	1.75E+02		% RECO\	1.75E+00	1.75E+00	1.20E+00	0.251	L	1.03E+00	0.88	199	8/3/2011 14:43	1214258	46DQ	MLC4C1A0
J1KM90	SOIL	MS	7440-47-3	Chromium	1.70E+02		% RECO\	9.96E-01	9.96E-01	3.40E-01	0.251	L	2.82E-01	0.87	195.9	8/3/2011 14:43	1214258	46DQ	MLC4C1A0
J1KM90	SOIL	MS	7439-92-1	Lead	1.67E+02		% RECO\	3.47E+00	3.47E+00	9.70E-01	0.251	L	8.01E-01	0.85	196.1	8/3/2011 14:43	1214258	46DQ	MLC4C1A0
J1KM90	SOIL	MS	7782-49-2	Se	1.72E+02		% RECO\	8.33E+00	8.33E+00	2.40E+00	0.251	L	2.01E+00	0.87	198.6	8/3/2011 14:43	1214258	46DQ	MLC4C1A0
J1KM90	SOIL	MSD	7440-22-4	Ag	1.63E+02		% RECO\	1.09E+00	1.09E+00	1.30E+00	0.2529	L	1.06E+00	0.83	197	8/3/2011 14:45	1214258	46DQ	MLC4C1A0
J1KM90	SOIL	MSD	7440-38-2	As	1.71E+02		% RECO\	4.27E+00	4.27E+00	7.70E-01	0.2529	L	6.36E-01	0.88	195.1	8/3/2011 14:45	1214258	46DQ	MLC4C1A0
J1KM90	SOIL	MSD	7440-39-3	Ba	1.55E+02		% RECO\	8.90E-01	8.90E-01	1.60E+00	0.2529	L	1.34E+00	1.09	141.7	8/3/2011 14:45	1214258	46DQ	MLC4C1A0
J1KM90	SOIL	MSD	7440-41-7	Beryllium	1.76E+02		% RECO\	1.19E-01	1.19E-01	1.00E+00	0.2529	L	8.63E-01	0.89	197.5	8/3/2011 14:45	1214258	46DQ	MLC4C1A0
J1KM90	SOIL	MSD	7440-43-9	Cadmium	1.70E+02		% RECO\	1.74E+00	1.74E+00	6.80E-01	0.2529	L	5.59E-01	0.86	197.5	8/3/2011 14:45	1214258	46DQ	MLC4C1A0
J1KM90	SOIL	MSD	7440-47-3	Chromium	1.69E+02		% RECO\	9.89E-01	9.89E-01	1.50E+00	0.2529	L	1.26E+00	0.87	194.5	8/3/2011 14:45	1214258	46DQ	MLC4C1A0
J1KM90	SOIL	MSD	7439-92-1	Lead	1.63E+02		% RECO\	3.44E+00	3.44E+00	1.00E+00	0.2529	L	8.28E-01	0.84	194.6	8/3/2011 14:45	1214258	46DQ	MLC4C1A0
J1KM90	SOIL	MSD	7782-49-2	Se	1.65E+02		% RECO\	8.26E+00	8.26E+00	1.60E+00	0.2529	L	1.35E+00	0.84	197.1	8/3/2011 14:45	1214258	46DQ	MLC4C1A0
J1KM80	SOIL	MS	7440-22-4	Ag	1.70E+02		% RECO\	1.09E+00	1.09E+00	1.20E+00	0.2518	L	9.75E-01	0.86	198.6	8/3/2011	1215063	46DQ	MLCW91A0
J1KM80	SOIL	MS	7440-38-2	As	1.72E+02		% RECO\	4.29E+00	4.29E+00	1.60E+00	0.2518	L	1.33E+00	0.87	197.1	8/3/2011	1215063	46DQ	MLCW91A0
J1KM80	SOIL	MS	7440-39-3	Ba	1.47E+02		% RECO\	8.94E-01	8.94E-01	2.80E+00	0.2518	L	2.28E+00	1.2	122.2	8/3/2011	1215063	46DQ	MLCW91A0
J1KM80	SOIL	MS	7440-41-7	Beryllium	1.77E+02		% RECO\	1.19E-01	1.19E-01	3.30E-01	0.2518	L	2.74E-01	0.89	198.4	8/3/2011	1215063	46DQ	MLCW91A0
J1KM80	SOIL	MS	7440-43-9	Cadmium	1.72E+02		% RECO\	1.75E+00	1.75E+00	5.40E-01	0.2518	L	4.47E-01	0.87	198.5	8/3/2011	1215063	46DQ	MLCW91A0
J1KM80	SOIL	MS	7440-47-3	Chromium	1.70E+02		% RECO\	9.93E-01	9.93E-01	3.10E-01	0.2518	L	2.56E-01	0.87	194.9	8/3/2011	1215063	46DQ	MLCW91A0
J1KM80	SOIL	MS	7439-92-1	Lead	1.65E+02		% RECO\	3.46E+00	3.46E+00	9.20E-01	0.2518	L	7.58E-01	0.84	195.9	8/3/2011	1215063	46DQ	MLCW91A0
J1KM80	SOIL	MS	7782-49-2	Se	1.66E+02		% RECO\	8.30E+00	8.30E+00	1.30E+00	0.2518	L	1.05E+00	0.84	198.5	8/3/2011	1215063	46DQ	MLCW91A0
J1KM80	SOIL	MSD	7440-22-4	Ag	1.75E+02		% RECO\	1.10E+00	1.10E+00	3.80E-01	0.2499	L	3.16E-01	0.87	200.1	8/3/2011	1215063	46DQ	MLCW91A0
J1KM80	SOIL	MSD	7440-38-2	As	1.80E+02		% RECO\	4.32E+00	4.32E+00	1.50E+00	0.2499	L	1.23E+00	0.91	198.7	8/3/2011	1215063	46DQ	MLCW91A0
J1KM80	SOIL	MSD	7440-39-3	Ba	1.49E+02		% RECO\	9.00E-01	9.00E-01	1.30E+00	0.2499	L	1.09E+00	1.21	123.3	8/3/2011	1215063	46DQ	MLCW91A0
J1KM80	SOIL	MSD	7440-41-7	Beryllium	1.84E+02		% RECO\	1.20E-01	1.20E-01	6.70E-01	0.2499	L	5.50E-01	0.92	199.9	8/3/2011	1215063	46DQ	MLCW91A0
J1KM80	SOIL	MSD	7440-43-9	Cadmium	1.78E+02		% RECO\	1.76E+00	1.76E+00	1.10E+00	0.2499	L	8.84E-01	0.89	200	8/3/2011	1215063	46DQ	MLCW91A0
J1KM80	SOIL	MSD	7440-47-3	Chromium	1.77E+02		% RECO\	1.00E+00	1.00E+00	6.10E-01	0.2499	L	4.99E-01	0.9	196.4	8/3/2011	1215063	46DQ	MLCW91A0
J1KM80	SOIL	MSD	7439-92-1	Lead	1.72E+02		% RECO\	3.48E+00	3.48E+00	6.60E-01	0.2499	L	5.46E-01	0.87	197.5	8/3/2011	1215063	46DQ	MLCW91A0
J1KM80	SOIL	MSD	7782-49-2	Se	1.74E+02		% RECO\	8.36E+00	8.36E+00	1.30E+00	0.2499	L	1.05E+00	0.87	200	8/3/2011	1215063	46DQ	MLCW91A0

SDG: J01208
SAF: RC-154
BATCH: 1216108
MATRIX: SOIL
ANALYSIS DATE: 8/05/11

Client_id	Matrix	Result_typ	Cas_nbr	Parameter	Result	Qualifier	Units	Reporting_Limi	Reporting_Li	Uncertainty_1	Analyzed_s	Analyzed	Decision_leve	LCSReco	AddedA	Analysis_date_tim	Batch_nbr	Test_Met	Lab_sample_id
J1KM99	SOIL	BS	7440-22-4	Ag	-3.69E+00	U	UG/G	1.08E+00	1.08E+00	3.00E-01	0.2545	G	2.48E-01			8/5/2011 9:30	1216108	46DQ	MLEF01AA
J1KM99	SOIL	BS	7440-38-2	As	2.37E+00	U	UG/G	4.24E+00	4.24E+00	5.00E-03	0.2545	G	4.13E-03			8/5/2011 9:30	1216108	46DQ	MLEF01AA
J1KM99	SOIL	BS	7440-39-3	Ba	5.50E+01		UG/G	8.84E-01	8.84E-01	7.50E-01	0.2545	G	6.18E-01			8/5/2011 9:30	1216108	46DQ	MLEF01AA
J1KM99	SOIL	BS	7440-41-7	Beryllium	1.80E-01		UG/G	1.18E-01	1.18E-01	4.20E-03	0.2545	G	3.48E-03			8/5/2011 9:30	1216108	46DQ	MLEF01AA
J1KM99	SOIL	BS	7440-43-9	Cadmium	7.08E-02	U	UG/G	1.73E+00	1.73E+00	4.70E-02	0.2545	G	3.85E-02			8/5/2011 9:30	1216108	46DQ	MLEF01AA
J1KM99	SOIL	BS	7440-47-3	Chromium	3.65E+00		UG/G	9.82E-01	9.82E-01	2.00E-01	0.2545	G	1.63E-01			8/5/2011 9:30	1216108	46DQ	MLEF01AA
J1KM99	SOIL	BS	7439-92-1	Lead	2.54E+00	U	UG/G	3.42E+00	3.42E+00	5.30E-01	0.2545	G	4.36E-01			8/5/2011 9:30	1216108	46DQ	MLEF01AA
J1KM99	SOIL	BS	7782-49-2	Se	4.88E-01	U	UG/G	8.21E+00	8.21E+00	9.10E-01	0.2545	G	7.47E-01			8/5/2011 9:30	1216108	46DQ	MLEF01AA
J1KMC0	SOIL	BS	7440-22-4	Ag	-3.39E+00	U	UG/G	1.08E+00	1.08E+00	1.80E-01	0.2538	G	1.45E-01			8/5/2011 9:32	1216108	46DQ	MLEF61AA
J1KMC0	SOIL	BS	7440-38-2	As	1.93E+00	U	UG/G	4.26E+00	4.26E+00	9.10E-01	0.2538	G	7.48E-01			8/5/2011 9:32	1216108	46DQ	MLEF61AA
J1KMC0	SOIL	BS	7440-39-3	Ba	8.49E+01		UG/G	8.87E-01	8.87E-01	5.80E-01	0.2538	G	4.81E-01			8/5/2011 9:32	1216108	46DQ	MLEF61AA
J1KMC0	SOIL	BS	7440-41-7	Beryllium	1.96E-01		UG/G	1.18E-01	1.18E-01	1.10E-02	0.2538	G	9.46E-03			8/5/2011 9:32	1216108	46DQ	MLEF61AA
J1KMC0	SOIL	BS	7440-43-9	Cadmium	7.15E-02	U	UG/G	1.73E+00	1.73E+00	6.20E-02	0.2538	G	5.10E-02			8/5/2011 9:32	1216108	46DQ	MLEF61AA
J1KMC0	SOIL	BS	7440-47-3	Chromium	3.36E+00		UG/G	9.85E-01	9.85E-01	3.60E-01	0.2538	G	2.94E-01			8/5/2011 9:32	1216108	46DQ	MLEF61AA
J1KMC0	SOIL	BS	7439-92-1	Lead	3.15E+00	U	UG/G	3.43E+00	3.43E+00	6.90E-01	0.2538	G	5.69E-01			8/5/2011 9:32	1216108	46DQ	MLEF61AA
J1KMC0	SOIL	BS	7782-49-2	Se	2.65E-01	U	UG/G	8.23E+00	8.23E+00	1.30E-01	0.2538	G	1.08E-01			8/5/2011 9:32	1216108	46DQ	MLEF61AA
J1KMC1	SOIL	BS	7440-22-4	Ag	-3.99E+00	U	UG/G	1.06E+00	1.06E+00	1.30E-01	0.2587	G	1.05E-01			8/5/2011 9:35	1216108	46DQ	MLEF71AA
J1KMC1	SOIL	BS	7440-38-2	As	1.65E+00	U	UG/G	4.17E+00	4.17E+00	5.80E-01	0.2587	G	4.76E-01			8/5/2011 9:35	1216108	46DQ	MLEF71AA
J1KMC1	SOIL	BS	7440-39-3	Ba	6.43E+01		UG/G	8.70E-01	8.70E-01	1.10E+00	0.2587	G	8.83E-01			8/5/2011 9:35	1216108	46DQ	MLEF71AA
J1KMC1	SOIL	BS	7440-41-7	Beryllium	2.06E-01		UG/G	1.16E-01	1.16E-01	1.60E-03	0.2587	G	1.35E-03			8/5/2011 9:35	1216108	46DQ	MLEF71AA
J1KMC1	SOIL	BS	7440-43-9	Cadmium	8.82E-02	U	UG/G	1.70E+00	1.70E+00	9.90E-02	0.2587	G	8.13E-02			8/5/2011 9:35	1216108	46DQ	MLEF71AA
J1KMC1	SOIL	BS	7440-47-3	Chromium	3.36E+00		UG/G	9.66E-01	9.66E-01	1.50E-01	0.2587	G	1.22E-01			8/5/2011 9:35	1216108	46DQ	MLEF71AA
J1KMC1	SOIL	BS	7439-92-1	Lead	3.02E+00	U	UG/G	3.36E+00	3.36E+00	3.60E-01	0.2587	G	2.96E-01			8/5/2011 9:35	1216108	46DQ	MLEF71AA
J1KMC1	SOIL	BS	7782-49-2	Se	4.64E-01	U	UG/G	8.08E+00	8.08E+00	2.80E-01	0.2587	G	2.34E-01			8/5/2011 9:35	1216108	46DQ	MLEF71AA
J1KM95	SOIL	BS	7440-22-4	Ag	-3.32E+00	U	UG/G	1.09E+00	1.09E+00	1.60E-01	0.2527	G	1.34E-01			8/5/2011 9:03	1216108	46DQ	MLEFJ1A0
J1KM95	SOIL	BS	7440-38-2	As	1.82E+00	U	UG/G	4.27E+00	4.27E+00	8.50E-01	0.2527	G	6.97E-01			8/5/2011 9:03	1216108	46DQ	MLEFJ1A0
J1KM95	SOIL	BS	7440-39-3	Ba	5.95E+01		UG/G	8.90E-01	8.90E-01	8.20E-01	0.2527	G	6.78E-01			8/5/2011 9:03	1216108	46DQ	MLEFJ1A0
J1KM95	SOIL	BS	7440-41-7	Beryllium	2.33E-01		UG/G	1.19E-01	1.19E-01	1.80E-02	0.2527	G	1.45E-02			8/5/2011 9:03	1216108	46DQ	MLEFJ1A0
J1KM95	SOIL	BS	7440-43-9	Cadmium	1.02E-01	U	UG/G	1.74E+00	1.74E+00	8.70E-02	0.2527	G	7.13E-02			8/5/2011 9:03	1216108	46DQ	MLEFJ1A0
J1KM95	SOIL	BS	7440-47-3	Chromium	4.18E+00		UG/G	9.89E-01	9.89E-01	2.20E-01	0.2527	G	1.83E-01			8/5/2011 9:03	1216108	46DQ	MLEFJ1A0
J1KM95	SOIL	BS	7439-92-1	Lead	3.23E+00	U	UG/G	3.44E+00	3.44E+00	2.60E-01	0.2527	G	2.11E-01			8/5/2011 9:03	1216108	46DQ	MLEFJ1A0
J1KM95	SOIL	BS	7782-49-2	Se	4.23E-01	U	UG/G	8.27E+00	8.27E+00	4.90E-01	0.2527	G	4.05E-01			8/5/2011 9:03	1216108	46DQ	MLEFJ1A0
J1KM96	SOIL	BS	7440-22-4	Ag	-3.70E+00	U	UG/G	1.09E+00	1.09E+00	9.50E-02	0.2522	G	7.81E-02			8/5/2011 9:13	1216108	46DQ	MLEFM1AA
J1KM96	SOIL	BS	7440-38-2	As	1.52E+00	U	UG/G	4.28E+00	4.28E+00	8.30E-01	0.2522	G	6.85E-01			8/5/2011 9:13	1216108	46DQ	MLEFM1AA
J1KM96	SOIL	BS	7440-39-3	Ba	5.68E+01		UG/G	8.92E-01	8.92E-01	3.50E-01	0.2522	G	2.87E-01			8/5/2011 9:13	1216108	46DQ	MLEFM1AA
J1KM96	SOIL	BS	7440-41-7	Beryllium	2.10E-01		UG/G	1.19E-01	1.19E-01	1.60E-02	0.2522	G	1.30E-02			8/5/2011 9:13	1216108	46DQ	MLEFM1AA
J1KM96	SOIL	BS	7440-43-9	Cadmium	7.74E-02	U	UG/G	1.74E+00	1.74E+00	5.40E-02	0.2522	G	4.44E-02			8/5/2011 9:13	1216108	46DQ	MLEFM1AA
J1KM96	SOIL	BS	7440-47-3	Chromium	3.83E+00		UG/G	9.91E-01	9.91E-01	8.70E-02	0.2522	G	7.17E-02			8/5/2011 9:13	1216108	46DQ	MLEFM1AA
J1KM96	SOIL	BS	7439-92-1	Lead	2.79E+00	U	UG/G	3.45E+00	3.45E+00	5.30E-01	0.2522	G	4.38E-01			8/5/2011 9:13	1216108	46DQ	MLEFM1AA
J1KM96	SOIL	BS	7782-49-2	Se	2.84E-01	U	UG/G	8.29E+00	8.29E+00	6.70E-01	0.2522	G	5.55E-01			8/5/2011 9:13	1216108	46DQ	MLEFM1AA
J1KM97	SOIL	BS	7440-22-4	Ag	-3.83E+00	U	UG/G	1.09E+00	1.09E+00	4.40E-01	0.2512	G	3.64E-01			8/5/2011 9:16	1216108	46DQ	MLEFP1AA
J1KM97	SOIL	BS	7440-38-2	As	1.48E+00	U	UG/G	4.30E+00	4.30E+00	4.30E-01	0.2512	G	3.55E-01			8/5/2011 9:16	1216108	46DQ	MLEFP1AA
J1KM97	SOIL	BS	7440-39-3	Ba	5.59E+01		UG/G	8.96E-01	8.96E-01	1.80E+00	0.2512	G	1.51E+00			8/5/2011 9:16	1216108	46DQ	MLEFP1AA
J1KM97	SOIL	BS	7440-41-7	Beryllium	2.02E-01		UG/G	1.19E-01	1.19E-01	1.30E-02	0.2512	G	1.05E-02			8/5/2011 9:16	1216108	46DQ	MLEFP1AA
J1KM97	SOIL	BS	7440-43-9	Cadmium	1.04E-01	U	UG/G	1.75E+00	1.75E+00	6.30E-02	0.2512	G	5.16E-02			8/5/2011 9:16	1216108	46DQ	MLEFP1AA
J1KM97	SOIL	BS	7440-47-3	Chromium	4.51E+00		UG/G	9.95E-01	9.95E-01	2.40E-01	0.2512	G	1.96E-01			8/5/2011 9:16	1216108	46DQ	MLEFP1AA
J1KM97	SOIL	BS	7439-92-1	Lead	2.89E+00	U	UG/G	3.46E+00	3.46E+00	3.10E-01	0.2512	G	2.59E-01			8/5/2011 9:16	1216108	46DQ	MLEFP1AA
J1KM97	SOIL	BS	7782-49-2	Se	4.25E-01	U	UG/G	8.32E+00	8.32E+00	8.40E-01	0.2512	G	6.90E-01			8/5/2011 9:16	1216108	46DQ	MLEFP1AA
J1KM98	SOIL	BS	7440-22-4	Ag	-4.01E+00	U	UG/G	1.08E+00	1.08E+00	5.90E-02	0.2542	G	4.83E-02			8/5/2011 9:19	1216108	46DQ	MLEFR1AA
J1KM98	SOIL	BS	7440-38-2	As	1.15E+00	U	UG/G	4.25E+00	4.25E+00	7.90E-01	0.2542	G	6.51E-01			8/5/2011 9:19	1216108	46DQ	MLEFR1AA
J1KM98	SOIL	BS	7440-39-3	Ba	5.94E+01		UG/G	8.85E-01	8.85E-01	8.40E-01	0.2542	G	6.89E-01			8/5/2011 9:19	1216108	46DQ	MLEFR1AA
J1KM98	SOIL	BS	7440-41-7	Beryllium	1.84E-01		UG/G	1.18E-01	1.18E-01	4.20E-03	0.2542	G	3.47E-03			8/5/2011 9:19	1216108	46DQ	MLEFR1AA
J1KM98	SOIL	BS	7440-43-9	Cadmium	1.02E-01	U	UG/G	1.73E+00	1.73E+00	7.20E-02	0.2542	G	5.89E-02			8/5/2011 9:19	1216108	46DQ	MLEFR1AA
J1KM98	SOIL	BS	7440-47-3	Chromium	4.00E+00		UG/G	9.83E-01	9.83E-01	1.30E-01	0.2542	G	1.09E-01			8/5/2011 9:19	1216108	46DQ	MLEFR1AA
J1KM98	SOIL	BS	7439-92-1	Lead	2.48E+00	U	UG/G	3.42E+00	3.42E+00	3.00E-01	0.2542	G	2.47E-01			8/5/2011 9:19	1216108	46DQ	MLEFR1AA
J1KM98	SOIL	BS	7782-49-2	Se	6.51E-01	U	UG/G	8.22E+00	8.22E+00	1.40E+00	0.2542	G	1.15E+00			8/5/2011 9:19	1216108	46DQ	MLEFR1AA
J1KMC2	SOIL	BS	7440-22-4	Ag	-3.86E+00	U	UG/G	1.09E+00	1.09E+00	2.00E-01	0.2516	G	1.66E-01			8/5/2011 9:38	1216108	46DQ	MLEGE1AA
J1KMC2	SOIL	BS	7440-38-2	As	1.61E+00	U	UG/G	4.29E+00	4.29E+00	8.60E-01	0.2516	G	7.06E-01			8/5/2011 9:38	1216108	46DQ	MLEGE1AA
J1KMC2	SOIL	BS	7440-39-3	Ba	5.67E+01		UG/G	8.94E-01	8.94E-01	5.90E-01	0.2516	G	4.89E-01			8/5/2011 9:38	1216108	46DQ	MLEGE1AA
J1KMC2	SOIL	BS	7440-41-7	Beryllium	2.15E-01		UG/G	1.19E-01	1.19E-01	4.00E-03	0.2516	G	3.29E-03			8/5/2011 9:38	1216108	46DQ	MLEGE1AA
J1KMC2	SOIL	BS	7440-43-9	Cadmium	1.03E-01	U	UG/G	1.75E+00	1.75E+00	1.70E-02	0.2516	G	1.41E-02			8/5/2011 9:38	1216108	46DQ	MLEGE1AA
J1KMC2	SOIL	BS	7440-47-3	Chromium	4.18E+00		UG/G	9.94E-01	9.94E-01	2.00E-01	0.2516	G	1.61E-01			8/5/2011 9:38	1216108	46DQ	MLEGE1AA
J1KMC2	SOIL	BS	7439-92-1	Lead	2.78E+00	U	UG/G	3.46E+00	3.46E+00	2.20E-01	0.2516	G	1.81E-01			8/5/2011 9:38	1216108	46DQ	MLEGE1AA
J1KMC2	SOIL	BS	7782-49-2	Se	-1.74E-01	U	UG/G	8.31E+00	8.31E+00	5.10E-01	0.2516	G	4.20E-01			8/5/2011 9:38	1216108	46DQ	MLEGE1AA
J1KMC3	SOIL	BS	7440-22-4	Ag	-3.80E+00	U	UG/G	1.08E+00	1.08E+00	1.70E-01	0.2549	G	1.42E-01			8/5/2011 9:41	1216108	46DQ	MLEGF1AA
J1KMC3	SOIL	BS	7440-38-2	As	2.24E+00	U	UG/G	4.24E+00	4.24E+00	1.20E+00	0.2549	G	9.53E-01			8/5/2011 9:41	1216108	46DQ	MLEGF1AA
J1KMC3	SOIL	BS	7440-39-3	Ba	5.28E+01		UG/G	8.83E-01	8.83E-01	4.90E-01	0.2549	G	4.02E-01			8/5/2011 9:41	1216108	46DQ	MLEGF1AA
J1KMC3	SOIL	BS	7440-41-7	Beryllium	2.00E-01		UG/G	1.18E-01	1.18E-01	1.20E-03	0.2549	G	9.60E-04			8/5/2011 9:41	1216108	46DQ	MLEGF1AA
J1KMC3	SOIL	BS	7440-43-9	Cadmium	5.92E-02	U	UG/G	1.73E+00	1.73E+00	4.30E-02	0.2549	G	3.52E-02			8/5/2011 9:41	1216108	46DQ	MLEGF1AA
J1KMC3	SOIL	BS	7440-47-3	Chromium	2.96E+00		UG/G	9.81E-01	9.81E-01	5.80E-02	0.2549	G	4.73E-02			8/5/2011 9:41	1216108	46DQ	MLEGF1AA
J1KMC3	SOIL	BS	7439-92-1	Lead	2.86E+00	U	UG/G	3.41E+00	3.41E+00	1.20E-01	0.2549	G	9.53E-02			8/5/2011 9:41	1216108	46DQ	MLEGF1AA
J1KMC3	SOIL	BS	7782-49-2	Se	3.03E-01	U	UG/G	8.20E+00	8.20E+00	8.70E-01	0.2549	G	7.20E-01			8/5/2011 9:41	1216108	46DQ	MLEGF1AA
J1KMC4	SOIL	BS	7440-22-4	Ag	-3.82E+00	U	UG/G	1.08E+00	1.08E+00	1.10E-01	0.2549	G	8.83E-02			8/5/2011 9:43	1216108	46DQ	MLEGJ1AA
J1KMC4	SOIL	BS	7440-38-2	As	2.43E+00	U	UG/G	4.24E+00	4.24E+00	6.10E-02	0.2549	G	5.04E-02			8/5/2011 9:43	1216108	46DQ	MLEGJ1AA
J1KMC4	SOIL	BS	7440-39-3	Ba	6.12E+01		UG/G	8.83E-01	8.83E-01	8.30E-01	0.2549	G	6.80E-01			8/5/2011 9:43	1216108	46DQ	MLEGJ1AA
J1KMC4	SOIL	BS	7440-41-7	Beryllium	2.11E-01		UG/G	1.18E-01	1.18E-01	6.90E-03	0.2549	G	5.68E-03			8/5/2011 9:43	1216108	46DQ	MLEGJ1AA
J1KMC4	SOIL	BS	7440-43-9	Cadmium	1.05E-01	U	UG/G	1.73E+00	1.73E+00	7.00E-02	0.2549	G	5.72E-02			8/5/2011 9:43	1216108	46DQ	MLEGJ1AA
J1KMC4	SOIL	BS	7440-47-3	Chromium	6.32E+00		UG/G	9.81E-01	9.81E-01	8.50E-02	0.2549	G	7.02E-02			8/5/2011 9:43	1216108	46DQ	MLEGJ1AA

Client_id	Matrix	Result_typ	Cas_nbr	Parameter	Result	Qualifier	Units	Reporting_Limi	Reporting_Li	Uncertainty_1	Analyzed_s	Analyzec	Decision_leve	LCS	Reco	AddedA	Analysis_date_timi	Batch_nbr	Test_Met	Lab_sample_id
J1KMC4	SOIL	BS	7439-92-1	Lead	2.85E+00	U	UG/G	3.41E+00	3.41E+00	3.40E-01	0.2549	G	2.80E-01				8/5/2011 9:43	1216108	46DQ	MLEGJ1AA
J1KMC4	SOIL	BS	7782-49-2	Se	1.70E-01	U	UG/G	8.20E+00	8.20E+00	8.40E-01	0.2549	G	6.92E-01				8/5/2011 9:43	1216108	46DQ	MLEGJ1AA
INTRA-LAB BL/	SOIL	BLK	7440-22-4	Ag	-1.04E-02	U	MG/L	5.50E-03	5.50E-03	3.60E-04	1	L	2.96E-04				8/5/2011 8:54	1216108	46DQ	MLEJP1AA
INTRA-LAB BL/	SOIL	BLK	7440-38-2	As	-4.82E-03	U	MG/L	2.16E-02	2.16E-02	2.30E-03	1	L	1.87E-03				8/5/2011 8:54	1216108	46DQ	MLEJP1AA
INTRA-LAB BL/	SOIL	BLK	7440-39-3	Ba	-3.72E-04	U	MG/L	4.50E-03	4.50E-03	6.00E-05	1	L	4.91E-05				8/5/2011 8:54	1216108	46DQ	MLEJP1AA
INTRA-LAB BL/	SOIL	BLK	7440-41-7	Beryllium	8.09E-05	U	MG/L	6.00E-04	6.00E-04	3.30E-05	1	L	2.69E-05				8/5/2011 8:54	1216108	46DQ	MLEJP1AA
INTRA-LAB BL/	SOIL	BLK	7440-43-9	Cadmium	1.74E-04	U	MG/L	8.80E-03	8.80E-03	1.90E-04	1	L	1.59E-04				8/5/2011 8:54	1216108	46DQ	MLEJP1AA
INTRA-LAB BL/	SOIL	BLK	7440-47-3	Chromium	-8.62E-04	U	MG/L	5.00E-03	5.00E-03	8.20E-04	1	L	6.76E-04				8/5/2011 8:54	1216108	46DQ	MLEJP1AA
INTRA-LAB BL/	SOIL	BLK	7439-92-1	Lead	-2.20E-04	U	MG/L	1.74E-02	1.74E-02	1.00E-03	1	L	8.37E-04				8/5/2011 8:54	1216108	46DQ	MLEJP1AA
INTRA-LAB BL/	SOIL	BLK	7782-49-2	Se	3.26E-04	U	MG/L	4.18E-02	4.18E-02	2.00E-03	1	L	1.69E-03				8/5/2011 8:54	1216108	46DQ	MLEJP1AA
INTRA-LAB CH!	SOIL	LCS	7440-22-4	Ag	8.53E-01		MG/L	5.50E-03	5.50E-03	1.90E-02	1	L	1.57E-02	0.85		1	8/5/2011 8:57	1216108	46DQ	MLEJP1AA
INTRA-LAB CH!	SOIL	LCS	7440-38-2	As	8.92E-01		MG/L	2.16E-02	2.16E-02	5.20E-03	1	L	4.31E-03	0.89		1	8/5/2011 8:57	1216108	46DQ	MLEJP1AA
INTRA-LAB CH!	SOIL	LCS	7440-39-3	Ba	9.03E-01		MG/L	4.50E-03	4.50E-03	2.80E-02	1	L	2.26E-02	0.9		1	8/5/2011 8:57	1216108	46DQ	MLEJP1AA
INTRA-LAB CH!	SOIL	LCS	7440-41-7	Beryllium	9.18E-01		MG/L	6.00E-04	6.00E-04	2.00E-02	1	L	1.65E-02	0.92		1	8/5/2011 8:57	1216108	46DQ	MLEJP1AA
INTRA-LAB CH!	SOIL	LCS	7440-43-9	Cadmium	8.79E-01		MG/L	8.80E-03	8.80E-03	2.70E-03	1	L	2.20E-03	0.88		1	8/5/2011 8:57	1216108	46DQ	MLEJP1AA
INTRA-LAB CH!	SOIL	LCS	7440-47-3	Chromium	8.80E-01		MG/L	5.00E-03	5.00E-03	1.60E-02	1	L	1.32E-02	0.88		1	8/5/2011 8:57	1216108	46DQ	MLEJP1AA
INTRA-LAB CH!	SOIL	LCS	7439-92-1	Lead	8.76E-01		MG/L	1.74E-02	1.74E-02	2.60E-03	1	L	2.15E-03	0.88		1	8/5/2011 8:57	1216108	46DQ	MLEJP1AA
INTRA-LAB CH!	SOIL	LCS	7782-49-2	Se	8.55E-01		MG/L	4.18E-02	4.18E-02	5.30E-03	1	L	4.35E-03	0.85		1	8/5/2011 8:57	1216108	46DQ	MLEJP1AA
J1KM95 DUP	SOIL	DUP	7440-22-4	Ag	-3.56E+00	U	UG/G	1.07E+00	1.07E+00	2.20E-01	0.2578	G	1.77E-01				8/5/2011 9:11	1216108	46DQ	MLEFJ1A0
J1KM95 DUP	SOIL	DUP	7440-38-2	As	1.73E+00	U	UG/G	4.19E+00	4.19E+00	1.80E-01	0.2578	G	1.46E-01				8/5/2011 9:11	1216108	46DQ	MLEFJ1A0
J1KM95 DUP	SOIL	DUP	7440-39-3	Ba	6.11E+01		UG/G	8.73E-01	8.73E-01	5.10E-01	0.2578	G	4.21E-01				8/5/2011 9:11	1216108	46DQ	MLEFJ1A0
J1KM95 DUP	SOIL	DUP	7440-41-7	Beryllium	2.69E-01		UG/G	1.16E-01	1.16E-01	2.80E-02	0.2578	G	2.29E-02				8/5/2011 9:11	1216108	46DQ	MLEFJ1A0
J1KM95 DUP	SOIL	DUP	7440-43-9	Cadmium	7.74E-02	U	UG/G	1.71E+00	1.71E+00	7.30E-02	0.2578	G	5.98E-02				8/5/2011 9:11	1216108	46DQ	MLEFJ1A0
J1KM95 DUP	SOIL	DUP	7440-47-3	Chromium	5.10E+00		UG/G	9.70E-01	9.70E-01	1.80E-01	0.2578	G	1.48E-01				8/5/2011 9:11	1216108	46DQ	MLEFJ1A0
J1KM95 DUP	SOIL	DUP	7439-92-1	Lead	3.37E+00	U	UG/G	3.37E+00	3.37E+00	5.80E-01	0.2578	G	4.77E-01				8/5/2011 9:11	1216108	46DQ	MLEFJ1A0
J1KM95 DUP	SOIL	DUP	7782-49-2	Se	2.08E-01	U	UG/G	8.11E+00	8.11E+00	1.30E+00	0.2578	G	1.10E+00				8/5/2011 9:11	1216108	46DQ	MLEFJ1A0
J1KM95	SOIL	MS	7440-22-4	Ag	1.61E+02		% RECO	1.07E+00	1.07E+00	2.80E+00	0.258	G	2.30E+00	0.83	193.8		8/5/2011 9:05	1216108	46DQ	MLEFJ1A0
J1KM95	SOIL	MS	7440-38-2	As	1.72E+02		% RECO	4.19E+00	4.19E+00	1.80E+00	0.258	L	1.48E+00	0.89	193.8		8/5/2011 9:05	1216108	46DQ	MLEFJ1A0
J1KM95	SOIL	MS	7440-39-3	Ba	1.68E+02		% RECO	8.72E-01	8.72E-01	3.40E+00	0.258	L	2.77E+00	0.87	193.8		8/5/2011 9:05	1216108	46DQ	MLEFJ1A0
J1KM95	SOIL	MS	7440-41-7	Beryllium	1.79E+02		% RECO	1.16E-01	1.16E-01	1.80E+00	0.258	L	1.49E+00	0.92	193.8		8/5/2011 9:05	1216108	46DQ	MLEFJ1A0
J1KM95	SOIL	MS	7440-43-9	Cadmium	1.70E+02		% RECO	1.71E+00	1.71E+00	1.30E+00	0.258	L	1.09E+00	0.88	193.8		8/5/2011 9:05	1216108	46DQ	MLEFJ1A0
J1KM95	SOIL	MS	7440-47-3	Chromium	1.64E+02		% RECO	9.69E-01	9.69E-01	2.90E+00	0.258	L	2.35E+00	0.85	193.8		8/5/2011 9:05	1216108	46DQ	MLEFJ1A0
J1KM95	SOIL	MS	7439-92-1	Lead	1.62E+02		% RECO	3.37E+00	3.37E+00	1.20E+00	0.258	L	9.59E-01	0.84	193.8		8/5/2011 9:05	1216108	46DQ	MLEFJ1A0
J1KM95	SOIL	MS	7782-49-2	Se	1.64E+02		% RECO	8.10E+00	8.10E+00	1.60E+00	0.258	L	1.35E+00	0.85	193.8		8/5/2011 9:05	1216108	46DQ	MLEFJ1A0
J1KM95	SOIL	MSD	7440-22-4	Ag	1.60E+02		% RECO	1.07E+00	1.07E+00	3.70E+00	0.2579	L	3.03E+00	0.83	193.9		8/5/2011 9:08	1216108	46DQ	MLEFJ1A0
J1KM95	SOIL	MSD	7440-38-2	As	1.73E+02		% RECO	4.19E+00	4.19E+00	8.90E-01	0.2579	L	7.34E-01	0.89	193.9		8/5/2011 9:08	1216108	46DQ	MLEFJ1A0
J1KM95	SOIL	MSD	7440-39-3	Ba	1.93E+02		% RECO	8.72E-01	8.72E-01	7.90E+00	0.2579	L	6.51E+00	1	193.9		8/5/2011 9:08	1216108	46DQ	MLEFJ1A0
J1KM95	SOIL	MSD	7440-41-7	Beryllium	1.79E+02		% RECO	1.16E-01	1.16E-01	4.60E+00	0.2579	L	3.79E+00	0.92	193.9		8/5/2011 9:08	1216108	46DQ	MLEFJ1A0
J1KM95	SOIL	MSD	7440-43-9	Cadmium	1.70E+02		% RECO	1.71E+00	1.71E+00	8.10E-01	0.2579	L	6.64E-01	0.88	193.9		8/5/2011 9:08	1216108	46DQ	MLEFJ1A0
J1KM95	SOIL	MSD	7440-47-3	Chromium	1.67E+02		% RECO	9.69E-01	9.69E-01	4.00E+00	0.2579	L	3.31E+00	0.86	193.9		8/5/2011 9:08	1216108	46DQ	MLEFJ1A0
J1KM95	SOIL	MSD	7439-92-1	Lead	1.62E+02		% RECO	3.37E+00	3.37E+00	6.40E-01	0.2579	L	5.28E-01	0.83	193.9		8/5/2011 9:08	1216108	46DQ	MLEFJ1A0
J1KM95	SOIL	MSD	7782-49-2	Se	1.64E+02		% RECO	8.10E+00	8.10E+00	1.50E+00	0.2579	L	1.23E+00	0.84	193.9		8/5/2011 9:08	1216108	46DQ	MLEFJ1A0

Washington Closure Hanford	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	RC-154-067	Page 1 of 1

Collector Orozco, L.	**Company Contact** Joan Kessner	**Telephone No.** 509-375-4688	**Project Coordinator** KESSNER, JH
Project Designation 618-10 & 618-11 Field Remediation - Soil In-Process	**Sampling Location** 618-10 EAST Surge Trench Soil		**SAF No.** RC-154
Ice Chest No. N/A	**Field Logbook No.** EL-1648-01	**COA** S618DT8100	**Method of Shipment** Gov Vehicle / Hand deliver
Shipped To TestAmerica Incorporated, Richland ~~RCF~~ TRE 8-1-11	**Offsite Property No.** N/A		**Bill of Lading/Air Bill No.** N/A

Price Code 8L

Data Turnaround SV 8/1/11 ~~21 Days~~ 24 hour

POSSIBLE SAMPLE HAZARDS/REMARKS

~~Potential~~ Rad < DOT Limits
AJ 8-2-11

Special Handling and/or Storage

Cool 4 Deg C

Quote #881441

SDG # J01208
LOT # J1H020494
Report: 8/3/11

J1H020494

Preservation	Cool 4C	None											
Type of Container	G/P	Snap Vial											
No. of Container(s)	1	1											
Volume	60mL	60mL											
SAMPLE ANALYSIS	See item (1) in Special Instructions.	RCF GEA Shipping Screen TRE 8-1-11											

Sample No.	Matrix *	Sample Date	Sample Time			RCF							
J1KM80 MLCW9	SOIL	8/1/11	0720	X	X	29660							1
J1KM81 MLCXC	SOIL	8/1/11	0725	X	X	29661							2
J1KM82 MLCXD	SOIL	8/1/11	0730	X	X	29662							3
J1KM83 MLCXF	SOIL	8/1/11	0735	X	X	29663							4
J1KM84 MLCXG	SOIL	8/1/11	0740	X	X	29664							5

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

Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Loren Orozco Lin Orozco	0845 08/1/11	S. Van Den Hende	8/1/11 0845
S. Van Den Hende	8/1/11 1105	T.R. Edmundson	8-1-11 1105
T.R. Edmundson	8-1-11 1300	A. PORTER	1060#2 8-1-11 1300
A. PORTER	1060#2 WCH 8-2-11 1600	Lucas Velazquez	8/2/11 1600

SPECIAL INSTRUCTIONS

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

REVIEWED BY AJ DATE 8-2-11

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

Apex™

Analysis Report for RCF29660

J1KM80 SAF:RC-154 618-10/EAST Surge Trench Soil

Non-Reg

GAMMA SPECTRUM ANALYSIS

Sample Identification	: RCF29660
Sample Description	: J1KM80 SAF:RC-154 618-10/EAST Surge Trench Soil
Sample Type	: 80g pillbox
Sample Size	: 6.400E+01 grams
Facility	: Default
Sample Taken On	: 8/1/2011 7:20:00AM
Acquisition Started	: 8/1/2011 2:01:46PM
Procedure	: 80 Gram Pill Box
Operator	: RCT
Detector Name	: PGTLYNX
Geometry	: 80 Gram Pill Box
Live Time	: 3600.0 seconds
Real Time	: 3602.4 seconds
Dead Time	: 0.07 %
Peak Locate Threshold	: 3.00
Peak Locate Range (in channels)	: 40 - 4096
Peak Area Range (in channels)	: 40 - 4096
Identification Energy Tolerance	: 1.000 keV
Energy Calibration Used Done On	: 3/3/2011
Efficiency Calibration Used Done On	: 3/11/2011
Efficiency Calibration Description	: PGTL 80gPB 030811EC SN82752-238
Sample Number	: 17735

INTERFERENCE CORRECTED REPORT

Nuclide Name		Nuclide Id Confidence	Wt mean Activity (pCi/grams)	Wt mean Activity Uncertainty	Comments
K-40		1.000	1.46E+01	2.64E+00	
PB-212		0.710	8.06E-01	1.40E-01	
RA-226d	@	0.352	4.59E-01	1.38E-01	
TH-232d		0.598	4.72E-01	1.20E-01	

Apex™

Analysis Report for RCF29661

J1KM81 SAF:RC-154 618-10/EAST Surge Trench Soil

Non-Reg

GAMMA SPECTRUM ANALYSIS

Sample Identification	: RCF29661
Sample Description	: J1KM81 SAF:RC-154 618-10/EAST Surge Trench Soil
Sample Type	: 80g pillbox
Sample Size	: 6.800E+01 grams
Facility	: Default
Sample Taken On	: 8/1/2011 7:25:00AM
Acquisition Started	: 8/1/2011 3:02:43PM
Procedure	: 80 Gram Pill Box
Operator	: RCT
Detector Name	: PGTLYNX
Geometry	: 80 Gram Pill Box
Live Time	: 3600.0 seconds
Real Time	: 3602.6 seconds
Dead Time	: 0.07 %
Peak Locate Threshold	: 3.00
Peak Locate Range (in channels)	: 40 - 4096
Peak Area Range (in channels)	: 40 - 4096
Identification Energy Tolerance	: 1.000 keV
Energy Calibration Used Done On	: 3/3/2011
Efficiency Calibration Used Done On	: 3/11/2011
Efficiency Calibration Description	: PGTL 80gPB 030811EC SN82752-238
Sample Number	: 17739

INTERFERENCE CORRECTED REPORT

Nuclide Name		Nuclide Id Confidence	Wt mean Activity (pCi/grams)	Wt mean Activity Uncertainty	Comments
K-40		0.999	1.19E+01	2.43E+00	
PB-212		0.711	5.99E-01	1.26E-01	
RA-226d	@	0.352	3.80E-01	1.25E-01	
TH-232d		0.427	3.61E-01	1.13E-01	

Apex™

Analysis Report for RCF29662

J1KM82 SAF:RC-154 618-10/EAST Surge Trench Soil

Non-Reg

GAMMA SPECTRUM ANALYSIS

Sample Identification	: RCF29662
Sample Description	: J1KM82 SAF:RC-154 618-10/EAST Surge Trench Soil
Sample Type	: 80g pillbox
Sample Size	: 6.800E+01 grams
Facility	: Default
Sample Taken On	: 8/1/2011 7:30:00AM
Acquisition Started	: 8/1/2011 4:07:46PM
Procedure	: 80 Gram Pill Box
Operator	: RCT
Detector Name	: PGTLYNX
Geometry	: 80 Gram Pill Box
Live Time	: 3600.0 seconds
Real Time	: 3602.5 seconds
Dead Time	: 0.07 %
Peak Locate Threshold	: 3.00
Peak Locate Range (in channels)	: 40 - 4096
Peak Area Range (in channels)	: 40 - 4096
Identification Energy Tolerance	: 1.000 keV
Energy Calibration Used Done On	: 3/3/2011
Efficiency Calibration Used Done On	: 3/11/2011
Efficiency Calibration Description	: PGTL 80gPB 030811EC SN82752-238
Sample Number	: 17740

INTERFERENCE CORRECTED REPORT

Nuclide Name		Nuclide Id Confidence	Wt mean Activity (pCi/grams)	Wt mean Activity Uncertainty	Comments
K-40		1.000	1.23E+01	2.47E+00	
PB-212		0.710	5.76E-01	1.25E-01	
RA-226d	@	0.352	3.21E-01	1.02E-01	
TH-232d		0.600	4.32E-01	1.15E-01	

Apex™

Analysis Report for RCF29663

J1KM83 SAF:RC-154 618-10/EAST Surge Trench Soil

Non-Reg

GAMMA SPECTRUM ANALYSIS

Sample Identification	: RCF29663
Sample Description	: J1KM83 SAF:RC-154 618-10/EAST Surge Trench Soil
Sample Type	: 50g pillbox
Sample Size	: 5.800E+01 grams
Facility	: Default
Sample Taken On	: 8/1/2011 7:35:00AM
Acquisition Started	: 8/1/2011 4:07:52PM
Procedure	: 50 Gram Pill Box
Operator	: RCT
Detector Name	: REGIE2
Geometry	: 50 ml Pill Box
Live Time	: 3600.0 seconds
Real Time	: 3600.4 seconds
Dead Time	: 0.01 %
Peak Locate Threshold	: 3.00
Peak Locate Range (in channels)	: 40 - 4096
Peak Area Range (in channels)	: 40 - 4096
Identification Energy Tolerance	: 1.000 keV
Energy Calibration Used Done On	: 3/11/2011
Efficiency Calibration Used Done On	: 3/17/2011
Efficiency Calibration Description	: REGIE2 50gPB 031711EC SN82751A-238
Sample Number	: 17741

INTERFERENCE CORRECTED REPORT

Nuclide Name		Nuclide Id Confidence	Wt mean Activity (pCi/grams)	Wt mean Activity Uncertainty	Comments
K-40		0.995	1.06E+01	2.57E+00	
PB-212		0.709	6.10E-01	1.19E-01	
RA-226d	@	0.351	2.93E-01	1.18E-01	

Apex™

Analysis Report for RCF29664

J1KM84 SAF:RC-154 618-10/EAST Surge Trench Soil

Non-Reg

GAMMA SPECTRUM ANALYSIS

Sample Identification	: RCF29664
Sample Description	: J1KM84 SAF:RC-154 618-10/EAST Surge Trench Soil
Sample Type	: 80g pillbox
Sample Size	: 6.300E+01 grams
Facility	: Default
Sample Taken On	: 8/1/2011 7:40:00AM
Acquisition Started	: 8/2/2011 7:00:19AM
Procedure	: 80 Gram Pill Box
Operator	: RCT
Detector Name	: PGTLYNX
Geometry	: 80 Gram Pill Box
Live Time	: 3600.0 seconds
Real Time	: 3602.3 seconds
Dead Time	: 0.06 %
Peak Locate Threshold	: 3.00
Peak Locate Range (in channels)	: 40 - 4096
Peak Area Range (in channels)	: 40 - 4096
Identification Energy Tolerance	: 1.000 keV
Energy Calibration Used Done On	: 3/3/2011
Efficiency Calibration Used Done On	: 3/11/2011
Efficiency Calibration Description	: PGTL 80gPB 030811EC SN82752-238
Sample Number	: 17768

INTERFERENCE CORRECTED REPORT

Nuclide Name		Nuclide Id Confidence	Wt mean Activity (pCi/grams)	Wt mean Activity Uncertainty	Comments
K-40		0.997	1.14E+01	2.46E+00	
PB-212		0.710	4.93E-01	1.27E-01	
RA-226d	@	0.621	5.14E-01	1.17E-01	
TH-232d		0.423	7.22E-01	1.42E-01	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Sample Check-in List

Date/Time Received: 8/2/11 @ 1600 GM Screen Result: (Airlock) .04 Initials HC
(Sample Receiving) .04 Initials HC

Client: WCH SDG #: J01208 NA [ ] SAF #: RC-154 NA [ ]

Lot Number: J1H020494

Chain of Custody # RC-154-067

Shipping Container ID: Hand delivered NA [ ]

Samples received inside shipping container/cooler/box Yes [HC] 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 [HC]
2. Custody Seals dated and signed? Yes [ ] No [ ] No Custody Seal HC
3. Cooler temperature: _____°C NA [HC]
4. Vermiculite/packing materials is NA [ ] Wet [ ] Dry [HC]

Item 5 through 16 for samples. Initial appropriate response.

5. Chain of Custody record present? Yes [HC] No [ ]
6. Number of samples received (Each sample may contain multiple bottles): 5 samples
7. Containers received: 5 x 60mL ag

8. Sample holding times exceeded? NA [ ] Yes [ ] No [HC]
9. Samples have:
   ____tape
   HC custody seals
   HC hazard labels
   HC appropriate sample labels
10. Matrix:
    HC A (FLT, Wipe, Solid, Soil)
    ____S (Air, Niosh 7400)
    ____I (Water)
    ____T (Biological, Ni-63)
11. Samples:
    HC 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 [HC]
    (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 [HC]
14. Description of anomalies (include sample numbers): NA HC

LS-023, Rev. 14, 06/11 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: Haylee Cornett Date: 8/2/11 @ 1600

Client Informed on _____ by _____ Person contacted _____

[✓] No action necessary; process as is

Project Manager [signature] Date 8/3/11

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

See over for additional information.

TestAmerica Laboratories, Inc.

Washington Closure Hanford	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	RC-154-068	Page 1 of 1

Collector Orozco, L.	**Company Contact** Joan Kessner	**Telephone No.** 509-375-4688	**Project Coordinator** KESSNER, JH
Project Designation 618-10 & 618-11 Field Remediation - Soil In-Process	**Sampling Location** 618-10 EAST Surge Trench Soil		**SAF No.** RC-154
Ice Chest No. N/A	**Field Logbook No.** EL-1648-01	**COA** S618DT8100	**Method of Shipment** Gov Vehicle / Hand delwer
Shipped To TestAmerica Incorporated, Richland ~~RCF~~ TRE 8-1-11	**Offsite Property No.** N/A		**Bill of Lading/Air Bill No.** N/A

Price Code 8L

Data Turnaround SU 8/1/11 ~~21 Days~~ 24 hour

POSSIBLE SAMPLE HAZARDS/REMARKS

~~Potential~~ Rad LDOT Limits
AJ 8-2-11

Special Handling and/or Storage

Cool 4 Deg C

Quote #88144
SDG #J01208
LOT #J1H020506
Report: 8/3/11

J1H020506

Preservation				Cool 4C	None								
Type of Container				G/P	Snap Vial								
No. of Container(s)				1	1								
Volume				60mL	60mL								
SAMPLE ANALYSIS				See item (1) in Special Instructions.	RCF GEA Shipping Screen TRE 8-1-11								
Sample No.	Matrix *	Sample Date	Sample Time				RCF						
J1KM85 MLC21	SOIL	8/1/11	0745	X	X		29665						6
J1KM86 MLC24	SOIL	8/1/11	0750	X	X		29666						7
J1KM87 MLC26	SOIL	8/1/11	0755	X	X		29667						8
J1KM88 MLC29	SOIL	8/1/11	0800	X	X	AJ 8-2-11	~~Rot~~ 29668						9
J1KM89 MLC3D	SOIL	8/1/11	0805	X	X		29669						10

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

Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Loren Orozco Lorenzo	0845 08/1/11	S. Van Den Hende	8/1/11 0845
S. Van Den Hende	8/1/11 1105	J.R. Edmundson	8-1-11 1105
J.R. Edmundson	8-1-11 1300	A. PORTER 1060#2	8-1-11 1300
A. PORTER 1060#2 WCH	1600 8-2-11	Luras Velazquez TALR	8/2/11 1600

SPECIAL INSTRUCTIONS

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

REVIEWED BY AJ DATE 8-2-11

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

Apex™

Analysis Report for RCF29665

J1KM85 SAF:RC-154 618-10/EAST Surge Trench Soil

Non-Reg

GAMMA SPECTRUM ANALYSIS

Sample Identification	: RCF29665
Sample Description	: J1KM85 SAF:RC-154 618-10/EAST Surge Trench Soil
Sample Type	: 80g pillbox
Sample Size	: 6.400E+01 grams
Facility	: Default
Sample Taken On	: 8/1/2011 7:45:00AM
Acquisition Started	: 8/2/2011 7:00:29AM
Procedure	: 80 Gram Pill Box
Operator	: RCT
Detector Name	: REGIE2
Geometry	: 80 Gram Pill Box
Live Time	: 3600.0 seconds
Real Time	: 3600.4 seconds
Dead Time	: 0.01 %
Peak Locate Threshold	: 3.00
Peak Locate Range (in channels)	: 40 - 4096
Peak Area Range (in channels)	: 40 - 4096
Identification Energy Tolerance	: 1.000 keV
Energy Calibration Used Done On	: 3/11/2011
Efficiency Calibration Used Done On	: 3/16/2011
Efficiency Calibration Description	: REGIE2 80gPB 031511EC SN82752-238
Sample Number	: 17769

INTERFERENCE CORRECTED REPORT

Nuclide Name		Nuclide Id Confidence	Wt mean Activity (pCi/grams)	Wt mean Activity Uncertainty	Comments
K-40		0.940	1.06E+01	2.40E+00	
PB-212		0.708	7.50E-01	1.27E-01	
RA-226d	@	0.349	4.47E-01	1.53E-01	
TH-232d		0.430	4.21E-01	1.24E-01	

Apex™

Analysis Report for RCF29666

J1KM86 SAF:RC-154 618-10/EAST Surge Trench Soil

Non-Reg

GAMMA SPECTRUM ANALYSIS

Sample Identification	: RCF29666
Sample Description	: J1KM86 SAF:RC-154 618-10/EAST Surge Trench Soil
Sample Type	: 80g pillbox
Sample Size	: 6.400E+01 grams
Facility	: Default
Sample Taken On	: 8/1/2011 7:50:00AM
Acquisition Started	: 8/2/2011 8:09:02AM
Procedure	: 80 Gram Pill Box
Operator	: RCT
Detector Name	: PGTLYNX
Geometry	: 80 Gram Pill Box
Live Time	: 3600.0 seconds
Real Time	: 3602.5 seconds
Dead Time	: 0.07 %
Peak Locate Threshold	: 3.00
Peak Locate Range (in channels)	: 40 - 4096
Peak Area Range (in channels)	: 40 - 4096
Identification Energy Tolerance	: 1.000 keV
Energy Calibration Used Done On	: 3/3/2011
Efficiency Calibration Used Done On	: 3/11/2011
Efficiency Calibration Description	: PGTL 80gPB 030811EC SN82752-238
Sample Number	: 17772

INTERFERENCE CORRECTED REPORT

Nuclide Name		Nuclide Id Confidence	Wt mean Activity (pCi/grams)	Wt mean Activity Uncertainty	Comments
K-40		0.998	1.06E+01	2.46E+00	
PB-212		0.708	5.86E-01	1.31E-01	
RA-226d	@	0.616	3.04E-01	1.19E-01	
TH-232d		0.567	5.18E-01	1.34E-01	