SAF-RC-207
Remedial Action of the 100-C-7 & 100-C-7:1 Waste Sites – In-Process
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Kathy Wendt H4-21 KW 12/3/12
INITIAL/DATE

COMMENTS:

SDG J01624 SAF-RC-207

Rad only ☑ Chem only Rad & Chem

☑ Complete Partial

Sample Location: **100-C-7:1 (ACL)**
(Section C, cell 3)
(Section A, cell 1)
(Section B, cell 2)

Analytical Data Package Prepared For

Washington Closure Hanford

RECEIVED
NOV 2012

Radiochemical Analysis By

TestAmerica

2800 G.W. Way, Richland Wa, 99354, (509)-375-3131.

Assigned Laboratory Code: TARL

Data Package Contains 75 *Pages*

Report No.: 53874

Results in this report relate only to the sample(s) analyzed.

SDG No.	Order No.	Client Sample ID (List Order)	Lot-Sa No.	Work Order	Report DB ID	Batch No.
J01624	RC-207	J1R5R9	J2K280438-1	MXFP11AC	9MXFP110	2333046
		J1R5T0	J2K280438-2	MXFP21AC	9MXFP210	2333046
		J1R5T1	J2K280438-3	MXFP31AC	9MXFP310	2333046
		J1R5T2	J2K280438-4	MXFP41AC	9MXFP410	2333046
		J1R5T3	J2K280438-5	MXFP71AC	9MXFP710	2333046
		J1R5T9	J2K260410-1	MXEWP1AC	9MXEWP10	2331087
		J1R5V0	J2K260410-2	MXEWQ1AC	9MXEWQ10	2331087
		J1R5V1	J2K260410-3	MXEWR1AC	9MXEWR10	2331087
		J1R5V4	J2K260410-4	MXEWW1AC	9MXEWW10	2331087
		J1R5V5	J2K260410-5	MXEWX1AC	9MXEWX10	2331087
		J1R5V6	J2K290423-1	MXFXJ1AC	9MXFXJ10	2334045
		J1R5V7	J2K290423-2	MXFXL1AC	9MXFXL10	2334045
		J1R601	J2K290423-3	MXFXM1AC	9MXFXM10	2334045
		J1R602	J2K290423-4	MXFXN1AC	9MXFXN10	2334045
		J1R603	J2K290423-5	MXFXP1AC	9MXFXP10	2334045
		J1R604	J2K290423-6	MXFXQ1AC	9MXFXQ10	2334045
		J1R605	J2K290423-7	MXFXR1AC	9MXFXR10	2334045
		J1R627	J2K270418-1	MXE9C1AC	9MXE9C10	2332044
		J1R628	J2K270418-2	MXE9J1AC	9MXE9J10	2332044
		J1R629	J2K270418-3	MXE9L1AC	9MXE9L10	2332044

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Certificate of Analysis

TestAmerica Laboratories, Inc.

Washington Closure Hanford
2620 Fermi Avenue
Richland, WA 99354

November 30, 2012

Attention: Joan Kessner

SAF Number	:	RC-207
Date SDG Closed	:	November 30, 2012
Number of Samples	:	Twenty (20)
Sample Type	:	Soil
SDG Number	:	J01624
Data Deliverable	:	Quick Turn Metals / Summary

CASE NARRATIVE

I. Introduction

Between November 26, 2012 and November 29, 2012, twenty 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
J1R5T9	MXEWP	SOIL	11/26/12
J1R5V0	MXEWQ	SOIL	11/26/12
J1R5V1	MXEWR	SOIL	11/26/12
J1R5V4	MXEWW	SOIL	11/26/12
J1R5V5	MXWEX	SOIL	11/26/12
J1R627	MXE9C	SOIL	11/27/12
J1R628	MXE9J	SOIL	11/27/12
J1R629	MXE9L	SOIL	11/27/12
J1R5R9	MXFP1	SOIL	11/28/12
J1R5T0	MXFP2	SOIL	11/28/12
J1R5T1	MXFP3	SOIL	11/28/12
J1R5T2	MXFP4	SOIL	11/28/12
J1R5T3	MXFP7	SOIL	11/28/12
J1R5V6	MXFXJ	SOIL	11/29/12
J1R5V7	MXFXL	SOIL	11/29/12
J1R601	MXFXM	SOIL	11/29/12
J1R602	MXFXN	SOIL	11/29/12
J1R603	MXFXP	SOIL	11/29/12
J1R604	MXFXQ	SOIL	11/29/12
J1R605	MXFXR	SOIL	11/29/12

2800 George Washington Way Richland, WA 99354 **tel** 509.375.3131 **fax** 509.375.5590 **www.testamericainc.com**

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
Chemical Analysis
Hexavalent Chromium by EPA method 7196A

IV. Quality Control

SDG J01624 includes a minimum of one Laboratory Control Samples (LCS), one method (reagent) blank, a duplicate sample, matrix spike sample and a matrix spike duplicate sample. 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 for the samples with the standard metal request list.

Batch 2331084:
The LCS, batch blank, samples, sample duplicate, MS, MSD, ICB, ICV, CCB and CCV results are within contractual limits.

Batch 2332045:
The LCS, batch blank, samples, sample duplicate, MS, MSD, ICB, ICV, CCB and CCV results are within contractual limits.

Batch 2333050:
The sample matrix spike duplicate recovered below the acceptance criteria for Lead and Selenium. All other batch QC is within the acceptance limits. Except as noted; the LCS, batch blank, samples, sample duplicate, MS, MSD, ICB, ICV, CCB and CCV results are within contractual limits.

Batch 2334038:
The LCS, batch blank, samples, sample duplicate, MS, MSD, ICB, ICV, CCB and CCV results are within contractual limits.

Chemical Analysis
Hexavalent Chromium by EPA method 7196A
Four batches were analyzed.

Batch 2331087:
The LCS, batch blank, samples, sample duplicate (J1R5T9) and sample matrix spike (J1R5T9) results are within contractual requirements.

Batch 2332044:
The matrix spike recovered low at 73%. The post digestive matrix spike recovered at 74% and the insoluble matrix spike recovered at 93%. This implies a reducing capacity in the sample, but not enough to exhaust the more copious insoluble matrix spike. Except as noted; the LCS, batch blank, samples, sample duplicate (J1R627) and sample matrix spike (J1R627) results are within contractual requirements.

Batch 2333046:
The LCS, batch blank, samples, sample duplicate (J1R5R9) and sample matrix spike (J1R5R9) results are within contractual requirements.

Batch 2334045:
The LCS, batch blank, samples, sample duplicate (J1R5V6) and sample matrix spike (J1R5V6) results are within contractual requirements.

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

Drinking Water Method Cross References

	DRINKING WATER ASTM METHOD CROSS REFERENCES	
Referenced Method	**Isotope(s)**	**TestAmerica Richland's SOP No.**
EPA 901.1	Cs-134, I-131	RL-GAM-001
EPA 900.0	Alpha & Beta	RL-GPC-001
EPA 00-02	Gross Alpha (Coprecipitation)	RL-GPC-002
EPA 903.0	Total Alpha Radium (Ra-226)	RL-RA-002
EPA 903.1	Ra-226	RL-RA-001
EPA 904.0	Ra-228	RL-RA-001
EPA 905.0	Sr-89/90	RL-GPC-003
ASTM D5174	Uranium	RL-KPA-003
EPA 906.0	Tritium	RL-LSC-005

Results in this report relate only to the sample(s) analyzed.

Uncertainty Estimation

TestAmerica Richland has adopted the internationally accepted approach to estimating uncertainties described in "NIST Technical Note 1297, 1994 Edition". The approach, "Law of Propagation of Errors", involves the identification of all variables in an analytical method which are used to derive a result. These variables are related to the analytical result (R) by some functional relationship, R = constants * f(x,y,z,...). The components (x,y,z) are evaluated to determine their contribution to the overall method uncertainty. The individual component uncertainties (u_i) are then combined using a statistical model that provides the most probable overall uncertainty value. All component uncertainties are categorized as type A, evaluated by statistical methods, or type B, evaluated by other means. Uncertainties not included in the components, such as sample homogeneity, are combined with the component uncertainty as the square root of the sum-of-the-squares of the individual uncertainties. The uncertainty associated with the derived result is the combined uncertainty (u_c) multiplied by the coverage factor (1,2, or 3).

When three or more sample replicates are used to derive the analytical result, the type A uncertainty is the standard deviation of the mean value (S/?n), where S is the standard deviation of the derived results. The type B uncertainties are all other random or non-random components that are not included in the standard deviation.

The derivation of the general "Law of Propagation of Errors" equations and specific example are available on request.

Report Definitions

Action Lev	An agreed upon activity level used to trigger some action when the final result is greater than or equal to the Action Level. Often the Action Level is related to the Decision Limit.
Batch	The QC preparation batch number that relates laboratory samples to QC samples that were prepared and analyzed together.
Bias	Defined by the equation (Result/Expected)-1 as defined by ANSI N13.30.
COC No	Chain of Custody Number assigned by the Client or TestAmerica.
Count Error (#s)	Poisson counting statistics of the gross sample count and background. The uncertainty is absolute and in the same units as the result. For Liquid Scintillation Counting (LSC) the batch blank count is the background.
Total Uncert (#s) ***u_c - Combined Uncertainty.***	All known uncertainties associated with the preparation and analysis of the sample are propagated to give a measure of the uncertainty associated with the result, ***u_c the combined uncertainty.*** The uncertainty is absolute and in the same units as the result.
(#s), Coverage Factor	The coverage factor defines the width of the confidence interval, 1, 2 or 3 standard deviations.
CRDL (RL)	Contractual Required Detection Limit as defined in the Client's Statement Of Work or TestAmerica "default" nominal detection limit. Often referred to the reporting level (RL)
Lc	Decision Level based on instrument background or blank, adjusted by the Efficiency, Chemical Yield, and Volume associated with the sample. The Type I error probability is approximately 5%. Lc=(1.645 * Sqrt(2*(BkgrndCnt/BkgrndCntMin)/SCntMin)) * (ConvFct/(Eff*Yld*Abn*Vol) * IngrFct). For LSC methods the batch blank is used as a measure of the background variability. Lc cannot be calculated when the background count is zero.
Lot-Sample No	The number assigned by the LIMS software to track samples received on the same day for a given client. The sample number is a sequential number assigned to each sample in the Lot.
MDC|MDA	Detection Level based on instrument background or blank, adjusted by the Efficiency, Chemical Yield, and Volume with a Type I and II error probability of approximately 5%. MDC = (4.65 * Sqrt((BkgrndCnt/BkgrndCntMin)/SCntMin) + 2.71/SCntMin) * (ConvFct/(Eff * Yld * Abn * Vol) * IngrFct). For LSC methods the batch blank is used as a measure of the background variability.
Primary Detector	The instrument identifier associated with the analysis of the sample aliquot.
Ratio U-234/U-238	The U-234 result divided by the U-238 result. The U-234/U-238 ratio for natural uranium in NIST SRM 4321C is 1.038.
Rst/MDC	Ratio of the Result to the MDC. A value greater than 1 may indicate activity above background at a high level of confidence. Caution should be used when applying this factor and it should be used in concert with the qualifiers associated with the result.
Rst/TotUcert	Ratio of the Result to the Total Uncertainty. If the uncertainty has a coverage factor of 2 a value greater than 1 may indicate activity above background at approximately the 95% level of confidence assuming a two-sided confidence interval. Caution should be used when applying this factor and it should be used in concert with the qualifiers associated with the result.
Report DB No	Sample Identifier used by the report system. The number is based upon the first five digits of the **Work Order** Number.
RER	The equation Replicate Error Ratio = (S-D)/[sqrt($TPUs^2$ + $TPUd^2$)] as defined by ICPT BOA where S is the original sample result, D is the result of the duplicate, TPUs is the total uncertainty of the original sample and TPUd is the total uncertainty of the duplicate sample.
SDG	Sample Delivery Group Number assigned by the Client or assigned by TestAmerica upon sample receipt.
Sum Rpt Alpha Spec Rst(s)	The sum of the reported alpha spec results for tests derived from the same sample excluding duplicate result where the results are in the same units.
Work Order	The LIMS software assign test specific identifier.
Yield	The recovery of the tracer added to the sample such as Pu-242 used to trace a Pu-239/40 method.

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Sample Results Summary

Date: 30-Nov-12

TestAmerica TARL

Ordered by Method, Batch No., Client Sample ID.

Report No. : 53874 **SDG No:** J01624

Batch	Client Id Work Order	Parameter	Result +- Uncertainty (2s)	Qual	Units	Tracer Yield	MDL	CRDL	RPD
2331087 7196_CR6									
J1R5T9									
	MXEWP1AC	HEXCHROME	1.55E-01 +- 0.0E+00	U	mg/kg	N/A	1.55E-01	1.55E-01	
	MXEWP1CL	HEXCHROME	1.55E-01 +- 0.0E+00	U	mg/kg	N/A	1.55E-01		0.0
J1R5V0									
	MXEWQ1A	HEXCHROME	1.55E-01 +- 0.0E+00	U	mg/kg	N/A	1.55E-01	1.55E-01	
J1R5V1									
	MXEWR1A	HEXCHROME	1.55E-01 +- 0.0E+00	U	mg/kg	N/A	1.55E-01	1.55E-01	
J1R5V4									
	MXEWW1A	HEXCHROME	1.55E-01 +- 0.0E+00	U	mg/kg	N/A	1.55E-01	1.55E-01	
J1R5V5									
	MXEWX1AC	HEXCHROME	1.55E-01 +- 0.0E+00	U	mg/kg	N/A	1.55E-01	1.55E-01	
2332044 7196_CR6									
J1R627									
	MXE9C1AC	HEXCHROME	1.88E-01 +- 0.0E+00		mg/kg	N/A	1.55E-01	1.55E-01	
	MXE9C1AM	HEXCHROME	1.55E-01 +- 0.0E+00	U	mg/kg	N/A	1.55E-01	3.50E-01	19.2
J1R628									
	MXE9J1AC	HEXCHROME	1.55E-01 +- 0.0E+00	U	mg/kg	N/A	1.55E-01	1.55E-01	
J1R629									
	MXE9L1AC	HEXCHROME	1.55E-01 +- 0.0E+00	U	mg/kg	N/A	1.55E-01	1.55E-01	
2333046 7196_CR6									
J1R5R9									
	MXFP11AC	HEXCHROME	3.35E+00 +- 0.0E+00		mg/kg	N/A	1.55E-01	1.55E-01	
	MXFP11AM	HEXCHROME	4.51E+00 +- 0.0E+00		mg/kg	N/A	1.55E-01	3.50E-01	29.6
J1R5T0									
	MXFP21AC	HEXCHROME	1.55E-01 +- 0.0E+00	U	mg/kg	N/A	1.55E-01	1.55E-01	
J1R5T1									
	MXFP31AC	HEXCHROME	1.55E-01 +- 0.0E+00	U	mg/kg	N/A	1.55E-01	1.55E-01	
J1R5T2									
	MXFP41AC	HEXCHROME	1.55E-01 +- 0.0E+00	U	mg/kg	N/A	1.55E-01	1.55E-01	
J1R5T3									
	MXFP71AC	HEXCHROME	7.90E+01 +- 0.0E+00		mg/kg	N/A	1.55E-01	1.55E-01	
2334045 7196_CR6									
J1R5V6									
	MXFXJ1AC	HEXCHROME	1.94E-01 +- 0.0E+00		mg/kg	N/A	1.55E-01	1.55E-01	
	MXFXJ1cf	HEXCHROME	2.54E-01 +- 0.0E+00		mg/kg	N/A	1.55E-01	3.50E-01	26.8
J1R5V7									
	MXFXL1AC	HEXCHROME	3.10E-01 +- 0.0E+00		mg/kg	N/A	1.55E-01	1.55E-01	
J1R601									

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rptSTLRchSaSum mary2 V5.2.22 A2002

RPD - Relative Percent Difference.

U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdl, Total Uncert, CRDL, RDL or not identified by gamma scan software.

Sample Results Summary

Date: 30-Nov-12

TestAmerica TARL

Ordered by Method, Batch No., Client Sample ID.

Report No. : 53874 **SDG No:** J01624

Batch	Client Id Work Order	Parameter	Result +- Uncertainty (2s)	Qual	Units	Tracer Yield	MDL	CRDL	RPD
2334045	7196_CR6								
J1R601									
	MXFXM1AC	HEXCHROME	2.28E-01 +- 0.0E+00		mg/kg	N/A	1.55E-01	1.55E-01	
J1R602									
	MXFXN1AC	HEXCHROME	1.71E-01 +- 0.0E+00		mg/kg	N/A	1.55E-01	1.55E-01	
J1R603									
	MXFXP1AC	HEXCHROME	1.55E-01 +- 0.0E+00	U	mg/kg	N/A	1.55E-01	1.55E-01	
J1R604									
	MXFXQ1AC	HEXCHROME	2.31E-01 +- 0.0E+00		mg/kg	N/A	1.55E-01	1.55E-01	
J1R605									
	MXFXR1AC	HEXCHROME	2.32E-01 +- 0.0E+00		mg/kg	N/A	1.55E-01	1.55E-01	

No. of Results: 24

TestAmerica

rptSTLRchSaSummary2 V5.2.22 A2002

RPD - Relative Percent Difference.

U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdl, Total Uncert, CRDL, RDL or not identified by gamma scan software.

QC Results Summary

TestAmerica TARL

Ordered by Method, Batch No, QC Type,.

Date: 30-Nov-12

Report No. : 53874

SDG No.: J01624

Batch Work Order	Parameter	Result +- Uncertainty (2s)	Qual	Units	Tracer Yield	LCS Recovery	Bias	MDL
7196_CR6								
2331087 MATRIX SPIKE, J1R5T9								
MXEWP1CK	HEXCHROME	2.65E+01 +- 0.0E+00		mg/kg	N/A	89%	-0.1	1.55E-01
2331087 LCS,								
MXE0J1AC	HEXCHROME	1.78E+01 +- 0.0E+00		mg/kg	N/A	94%	-0.1	1.55E-01
2331087 BLANK QC,								
MXE0J1AA	HEXCHROME	1.55E-01 +- 0.0E+00	U	mg/kg	N/A			1.55E-01
7196_CR6								
2332044 MATRIX SPIKE, J1R627								
MXE9C1AL	HEXCHROME	2.19E+01 +- 0.0E+00		mg/kg	N/A	73%	-0.3	1.55E-01
2332044 LCS,								
MXE9R1AC	HEXCHROME	1.79E+01 +- 0.0E+00		mg/kg	N/A	94%	-0.1	1.55E-01
2332044 BLANK QC,								
MXE9R1AA	HEXCHROME	1.55E-01 +- 0.0E+00	U	mg/kg	N/A			1.55E-01
7196_CR6								
2333046 MATRIX SPIKE, J1R5R9								
MXFP11AL	HEXCHROME	2.92E+01 +- 0.0E+00		mg/kg	N/A	85%	-0.1	1.55E-01
2333046 LCS,								
MXFQN1AC	HEXCHROME	1.79E+01 +- 0.0E+00		mg/kg	N/A	94%	-0.1	1.55E-01
2333046 BLANK QC,								
MXFQN1AA	HEXCHROME	1.55E-01 +- 0.0E+00	U	mg/kg	N/A			1.55E-01
7196_CR6								
2334045 MATRIX SPIKE, J1R5V6								
MXFXJ1CE	HEXCHROME	2.49E+01 +- 0.0E+00		mg/kg	N/A	83%	-0.2	1.55E-01
2334045 LCS,								
MXF2C1AC	HEXCHROME	1.84E+01 +- 0.0E+00		mg/kg	N/A	97%	0.0	1.55E-01
2334045 BLANK QC,								
MXF2C1AA	HEXCHROME	1.55E-01 +- 0.0E+00	U	mg/kg	N/A			1.55E-01

No. of Results: 12

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A2002

Bias - (Result/Expected)-1 as defined by ANSI N13.30.

U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdl, Total Uncert, CRDL, RDL or not identified by gamma scan software.

FORM I

SAMPLE RESULTS

Date: 30-Nov-12

Lab Name:	**TestAmerica**	**SDG:**	J01624	**Collection Date:**	11/28/2012 11:00:00 AM
Lot-Sample No.:	**J2K280438-1**	**Report No. :**	53874	**Received Date:**	11/28/2012 1:40:00 PM
Client Sample ID:	**J1R5R9**	**COC No. :**	RC-207-109	**Matrix:**	SOIL

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 2333046	7196_CR6			Work Order:	MXFP11AC		Report DB ID:	9MXFP110				
HEXCHROME	**3.35E+00**			0.0E+00	1.55E-01	mg/kg	N/A	*(21.6)*	11/28/12 03:00 p		2.5031	
							1.55E-01	*N/A*			g	

No. of Results: 1 **Comments:**

TestAmerica
rptSTLRchSample
V5.2.22 A2002

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdl, Total Uncert, CRDL, RDL or not identified by gamma scan software.

FORM I

SAMPLE RESULTS

Date: 30-Nov-12

Lab Name:	**TestAmerica**	**SDG:**	J01624	**Collection Date:**	11/28/2012 11:10:00 AM
Lot-Sample No.:	**J2K280438-2**	**Report No. :**	53874	**Received Date:**	11/28/2012 1:40:00 PM
Client Sample ID:	**J1R5T0**	**COC No. :**	RC-207-109	**Matrix:**	SOIL

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 2333046	7196_CR6			**Work Order:** MXFP21AC			**Report DB ID:** 9MXFP210					
HEXCHROME	1.55E-01	U		0.0E+00	1.55E-01	mg/kg	N/A	*1.*	11/28/12 03:00 p		2.4993	
							1.55E-01	*N/A*			g	

No. of Results: 1 **Comments:**

TestAmerica
rptSTLRchSample
V5.2.22 A2002

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdl, Total Uncert, CRDL, RDL or not identified by gamma scan software.

FORM I

SAMPLE RESULTS

Date: 30-Nov-12

Lab Name:	**TestAmerica**	**SDG:**	J01624	**Collection Date:**	11/28/2012 11:15:00 AM
Lot-Sample No.:	**J2K280438-3**	**Report No. :**	53874	**Received Date:**	11/28/2012 1:40:00 PM
Client Sample ID:	**J1R5T1**	**COC No. :**	RC-207-109	**Matrix:**	SOIL

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 2333046	7196_CR6			**Work Order:** MXFP31AC			**Report DB ID:** 9MXFP310					
HEXCHROME	1.55E-01	U		0.0E+00	1.55E-01	mg/kg	N/A	*1.*	11/28/12 03:00 p		2.5086	
							1.55E-01	*N/A*			g	

No. of Results: 1 **Comments:**

TestAmerica
rptSTLRchSample
V5.2.22 A2002

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdl, Total Uncert, CRDL, RDL or not identified by gamma scan software.

FORM I

SAMPLE RESULTS

Date: 30-Nov-12

Lab Name:	TestAmerica	**SDG:**	J01624	**Collection Date:**	11/28/2012 11:20:00 AM
Lot-Sample No.:	J2K280438-4	**Report No. :**	53874	**Received Date:**	11/28/2012 1:40:00 PM
Client Sample ID:	J1R5T2	**COC No. :**	RC-207-109	**Matrix:**	SOIL

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 2333046	7196_CR6			**Work Order:**	MXFP41AC		**Report DB ID:**	9MXFP410				
HEXCHROME	1.55E-01	U		0.0E+00	1.55E-01	mg/kg	N/A	*1.*	11/28/12 03:00 p		2.5075	
							1.55E-01	*N/A*			g	

No. of Results: 1 **Comments:**

TestAmerica
rptSTLRchSample
V5.2.22 A2002

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdl, Total Uncert, CRDL, RDL or not identified by gamma scan software.

FORM I

SAMPLE RESULTS

Date: 30-Nov-12

Lab Name:	**TestAmerica**	**SDG:**	J01624	**Collection Date:**	11/28/2012 11:50:00 AM
Lot-Sample No.:	**J2K280438-5**	**Report No. :**	53874	**Received Date:**	11/28/2012 1:40:00 PM
Client Sample ID:	**J1R5T3**	**COC No. :**	RC-207-109	**Matrix:**	SOIL

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 2333046	7196_CR6			Work Order:	MXFP71AC		Report DB ID:	9MXFP710				
HEXCHROME	7.90E+01			0.0E+00	1.55E-01	mg/kg	N/A	*(509.6)*	11/28/12 03:00 p		2.5196	
							1.55E-01	*N/A*			g	

No. of Results: 1 **Comments:**

TestAmerica
rptSTLRchSample
V5.2.22 A2002

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdl, Total Uncert, CRDL, RDL or not identified by gamma scan software.

FORM I

SAMPLE RESULTS

Date: 30-Nov-12

Lab Name:	TestAmerica	**SDG:**	J01624	**Collection Date:**	11/26/2012 8:15:00 AM
Lot-Sample No.:	J2K260410-1	**Report No. :**	53874	**Received Date:**	11/26/2012 12:32:00 PM
Client Sample ID:	J1R5T9	**COC No. :**	RC-207-111	**Matrix:**	SOIL

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 2331087	7196_CR6			**Work Order:**	MXEWP1AC		**Report DB ID:**	9MXEWP10				
HEXCHROME	1.55E-01	U		0.0E+00	1.55E-01	mg/kg	N/A	1.	11/26/12 02:45 p		2.505	
							1.55E-01	N/A			g	

No. of Results: 1 **Comments:**

TestAmerica
rptSTLRchSample
V5.2.22 A2002

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdl, Total Uncert, CRDL, RDL or not identified by gamma scan software.

FORM I

SAMPLE RESULTS

Date: 30-Nov-12

Lab Name:	**TestAmerica**	**SDG:**	J01624	**Collection Date:**	11/26/2012 8:20:00 AM
Lot-Sample No.:	**J2K260410-2**	**Report No. :**	53874	**Received Date:**	11/26/2012 12:32:00 PM
Client Sample ID:	**J1R5V0**	**COC No. :**	RC-207-111	**Matrix:**	SOIL

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 2331087	7196_CR6			**Work Order:**	MXEWQ1AC		**Report DB ID:**	9MXEWQ10				
HEXCHROME	1.55E-01	U		0.0E+00	1.55E-01	mg/kg	N/A	1.	11/26/12 02:45 p		2.5186	
							1.55E-01	N/A			g	

No. of Results: 1 **Comments:**

TestAmerica
rptSTLRchSample
V5.2.22 A2002

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdl, Total Uncert, CRDL, RDL or not identified by gamma scan software.

FORM I

SAMPLE RESULTS

Date: 30-Nov-12

Lab Name:	**TestAmerica**	**SDG:**	J01624	**Collection Date:**	11/26/2012 8:25:00 AM
Lot-Sample No.:	**J2K260410-3**	**Report No. :**	53874	**Received Date:**	11/26/2012 12:32:00 PM
Client Sample ID:	**J1R5V1**	**COC No. :**	RC-207-111	**Matrix:**	SOIL

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 2331087	7196_CR6			**Work Order:**	MXEWR1AC		**Report DB ID:**	9MXEWR10				
HEXCHROME	**1.55E-01**	U		0.0E+00	1.55E-01	mg/kg	N/A	.1.	11/26/12 02:45 p		2.5082	
							1.55E-01	N/A			g	

No. of Results: 1 **Comments:**

TestAmerica
rptSTLRchSample
V5.2.22 A2002

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdl, Total Uncert, CRDL, RDL or not identified by gamma scan software.

FORM I

SAMPLE RESULTS

Date: 30-Nov-12

Lab Name:	TestAmerica	**SDG:**	J01624	**Collection Date:**	11/26/2012 8:35:00 AM
Lot-Sample No.:	J2K260410-4	**Report No. :**	53874	**Received Date:**	11/26/2012 12:32:00 PM
Client Sample ID:	J1R5V4	**COC No. :**	RC-207-112	**Matrix:**	SOIL

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 2331087	7196_CR6			**Work Order:** MXEWW1AC			**Report DB ID:** 9MXEWW10					
HEXCHROME	1.55E-01	U		0.0E+00	1.55E-01	mg/kg	N/A	*1.*	11/26/12 02:45 p		2.5031	
							1.55E-01	*N/A*			g	

No. of Results: 1 **Comments:**

TestAmerica
rptSTLRchSample
V5.2.22 A2002

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdl, Total Uncert, CRDL, RDL or not identified by gamma scan software.

FORM I

SAMPLE RESULTS

Date: 30-Nov-12

Lab Name:	TestAmerica	**SDG:**	J01624	**Collection Date:**	11/26/2012 8:40:00 AM
Lot-Sample No.:	J2K260410-5	**Report No. :**	53874	**Received Date:**	11/26/2012 12:32:00 PM
Client Sample ID:	J1R5V5	**COC No. :**	RC-207-112	**Matrix:**	SOIL

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 2331087	7196_CR6			**Work Order:** MXEWX1AC			**Report DB ID:** 9MXEWX10					
HEXCHROME	1.55E-01	U		0.0E+00	1.55E-01	mg/kg	N/A	*1.*	11/26/12 02:45 p		2.5168	
							1.55E-01	*N/A*			g	

No. of Results: 1 **Comments:**

TestAmerica
rptSTLRchSample
V5.2.22 A2002

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdl, Total Uncert, CRDL, RDL or not identified by gamma scan software.

FORM I

SAMPLE RESULTS

Date: 30-Nov-12

Lab Name:	TestAmerica	**SDG:**	J01624	**Collection Date:**	11/29/2012 10:15:00 AM
Lot-Sample No.:	J2K290423-1	**Report No. :**	53874	**Received Date:**	11/29/2012 11:30:00 AM
Client Sample ID:	J1R5V6	**COC No. :**	RC-207-112	**Matrix:**	SOIL

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 2334045	7196_CR6			**Work Order:** MXFXJ1AC			**Report DB ID:** 9MXFXJ10					
HEXCHROME	1.94E-01			0.0E+00	1.55E-01	mg/kg	N/A	*(1.3)*	11/29/12 02:25 p		2.5048	
							1.55E-01	*N/A*			g	

No. of Results: 1 **Comments:**

TestAmerica
rptSTLRchSample
V5.2.22 A2002

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdl, Total Uncert, CRDL, RDL or not identified by gamma scan software.

FORM I

SAMPLE RESULTS

Date: 30-Nov-12

Lab Name:	**TestAmerica**	**SDG:**	J01624	**Collection Date:**	11/29/2012 10:20:00 AM
Lot-Sample No.:	**J2K290423-2**	**Report No. :**	53874	**Received Date:**	11/29/2012 11:30:00 AM
Client Sample ID:	**J1R5V7**	**COC No. :**	RC-207-112	**Matrix:**	SOIL

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 2334045	7196_CR6			**Work Order:**	MXFXL1AC		**Report DB ID:**	9MXFXL10				
HEXCHROME	**3.10E-01**			0.0E+00	1.55E-01	mg/kg	N/A	*(2.)*	11/29/12 02:25 p		2.5193	
							1.55E-01	*N/A*			g	

No. of Results: 1 **Comments:**

TestAmerica
rptSTLRchSample
V5.2.22 A2002

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdl, Total Uncert, CRDL, RDL or not identified by gamma scan software.

FORM I

SAMPLE RESULTS

Date: 30-Nov-12

Lab Name:	TestAmerica	**SDG:**	J01624	**Collection Date:**	11/29/2012 8:45:00 AM
Lot-Sample No.:	J2K290423-3	**Report No. :**	53874	**Received Date:**	11/29/2012 11:30:00 AM
Client Sample ID:	J1R601	**COC No. :**	RC-207-113	**Matrix:**	SOIL

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 2334045	7196_CR6			**Work Order:**	MXFXM1AC		**Report DB ID:**	9MXFXM10				
HEXCHROME	2.28E-01			0.0E+00	1.55E-01	mg/kg	N/A	*(1.5)*	11/29/12 02:25 p		2.5376	
							1.55E-01	*N/A*			g	

No. of Results: 1 **Comments:**

TestAmerica
rptSTLRchSample
V5.2.22 A2002

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdl, Total Uncert, CRDL, RDL or not identified by gamma scan software.

FORM I

SAMPLE RESULTS

Date: 30-Nov-12

Lab Name:	**TestAmerica**	**SDG:**	J01624	**Collection Date:**	11/29/2012 8:50:00 AM
Lot-Sample No.:	**J2K290423-4**	**Report No. :**	53874	**Received Date:**	11/29/2012 11:30:00 AM
Client Sample ID:	**J1R602**	**COC No. :**	RC-207-113	**Matrix:**	SOIL

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 2334045	7196_CR6			**Work Order:**	MXFXN1AC		**Report DB ID:**	9MXFXN10				
HEXCHROME	1.71E-01			0.0E+00	1.55E-01	mg/kg	N/A	*(1.1)*	11/29/12 02:25 p		2.5212	
							1.55E-01	*N/A*			g	

No. of Results: 1 **Comments:**

TestAmerica
rptSTLRchSample
V5.2.22 A2002

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdl, Total Uncert, CRDL, RDL or not identified by gamma scan software.

FORM I

SAMPLE RESULTS

Date: 30-Nov-12

Lab Name:	**TestAmerica**	**SDG:**	J01624	**Collection Date:**	11/29/2012 8:55:00 AM
Lot-Sample No.:	**J2K290423-5**	**Report No. :**	53874	**Received Date:**	11/29/2012 11:30:00 AM
Client Sample ID:	**J1R603**	**COC No. :**	RC-207-113	**Matrix:**	SOIL

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 2334045	7196_CR6			**Work Order:** MXFXP1AC			**Report DB ID:** 9MXFXP10					
HEXCHROME	1.55E-01	U		0.0E+00	1.55E-01	mg/kg	N/A	*1.*	11/29/12 02:25 p		2.5153	
							1.55E-01	*N/A*			g	

No. of Results: 1 **Comments:**

TestAmerica
rptSTLRchSample
V5.2.22 A2002

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdl, Total Uncert, CRDL, RDL or not identified by gamma scan software.

FORM I

SAMPLE RESULTS

Date: 30-Nov-12

Lab Name:	TestAmerica	**SDG:**	J01624	**Collection Date:**	11/29/2012 9:00:00 AM
Lot-Sample No.:	J2K290423-6	**Report No. :**	53874	**Received Date:**	11/29/2012 11:30:00 AM
Client Sample ID:	J1R604	**COC No. :**	RC-207-113	**Matrix:**	SOIL

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 2334045	7196_CR6			**Work Order:**	MXFXQ1AC		**Report DB ID:**	9MXFXQ10				
HEXCHROME	2.31E-01			0.0E+00	1.55E-01	mg/kg	N/A	*(1.5)*	11/29/12 02:25 p		2.5283	
							1.55E-01	*N/A*			g	

No. of Results: 1 **Comments:**

TestAmerica
rptSTLRchSample
V5.2.22 A2002

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdl, Total Uncert, CRDL, RDL or not identified by gamma scan software.

FORM I

SAMPLE RESULTS

Date: 30-Nov-12

Lab Name:	TestAmerica	**SDG:**	J01624	**Collection Date:**	11/29/2012 9:05:00 AM
Lot-Sample No.:	J2K290423-7	**Report No. :**	53874	**Received Date:**	11/29/2012 11:30:00 AM
Client Sample ID:	J1R605	**COC No. :**	RC-207-113	**Matrix:**	SOIL

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 2334045	7196_CR6			**Work Order:** MXFXR1AC			**Report DB ID:** 9MXFXR10					
HEXCHROME	**2.32E-01**			0.0E+00	1.55E-01	mg/kg	N/A	*(1.5)*	11/29/12 02:25 p		2.5261	
							1.55E-01	*N/A*			g	

No. of Results: 1 **Comments:**

TestAmerica
rptSTLRchSample
V5.2.22 A2002

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdl, Total Uncert, CRDL, RDL or not identified by gamma scan software.

FORM I

SAMPLE RESULTS

Date: 30-Nov-12

Lab Name:	**TestAmerica**	**SDG:**	J01624	**Collection Date:**	11/27/2012 9:00:00 AM
Lot-Sample No.:	**J2K270418-1**	**Report No. :**	53874	**Received Date:**	11/27/2012 10:35:00 AM
Client Sample ID:	**J1R627**	**COC No. :**	RC-207-114	**Matrix:**	SOIL

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 2332044	7196_CR6			**Work Order:**	MXE9C1AC		**Report DB ID:**	9MXE9C10				
HEXCHROME	1.88E-01			0.0E+00	1.55E-01	mg/kg	N/A	*(1.2)*	11/27/12 12:30 p		2.5101	
							1.55E-01	*N/A*			g	

No. of Results: 1 **Comments:**

TestAmerica
rptSTLRchSample
V5.2.22 A2002

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdl, Total Uncert, CRDL, RDL or not identified by gamma scan software.

FORM I

SAMPLE RESULTS

Date: 30-Nov-12

Lab Name:	**TestAmerica**	**SDG:**	J01624	**Collection Date:**	11/27/2012 9:05:00 AM
Lot-Sample No.:	**J2K270418-2**	**Report No. :**	53874	**Received Date:**	11/27/2012 10:35:00 AM
Client Sample ID:	**J1R628**	**COC No. :**	RC-207-114	**Matrix:**	SOIL

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 2332044	7196_CR6			**Work Order:**	MXE9J1AC		**Report DB ID:**	9MXE9J10				
HEXCHROME	1.55E-01	U		0.0E+00	1.55E-01	mg/kg	N/A	*1.*	11/27/12 12:30 p		2.5049	
							1.55E-01	*N/A*			g	

No. of Results: 1 **Comments:**

TestAmerica
rptSTLRchSample
V5.2.22 A2002

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdl, Total Uncert, CRDL, RDL or not identified by gamma scan software.

FORM I

SAMPLE RESULTS

Date: 30-Nov-12

Lab Name:	**TestAmerica**	**SDG:**	J01624	**Collection Date:**	11/27/2012 9:10:00 AM
Lot-Sample No.:	**J2K270418-3**	**Report No. :**	53874	**Received Date:**	11/27/2012 10:35:00 AM
Client Sample ID:	**J1R629**	**COC No. :**	RC-207-114	**Matrix:**	SOIL

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 2332044	7196_CR6			**Work Order:** MXE9L1AC			**Report DB ID:** 9MXE9L10					
HEXCHROME	1.55E-01	U		0.0E+00	1.55E-01	mg/kg	N/A	*1.*	11/27/12 12:30 p		2.5168	
							1.55E-01	*N/A*			g	

No. of Results: 1 **Comments:**

TestAmerica
rptSTLRchSample
V5.2.22 A2002

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdl, Total Uncert, CRDL, RDL or not identified by gamma scan software.

FORM II

Date: 30-Nov-12

DUPLICATE RESULTS

Lab Name:	TestAmerica	**SDG:**	J01624	**Collection Date:**	11/28/2012 11:00:00 AM
Lot-Sample No.:	J2K280438-1	**Report No. :**	53874	**Received Date:**	11/28/2012 1:40:00 PM
Client Sample ID:	J1R5R9	**COC No. :**	RC-207-109	**Matrix:**	SOIL

Parameter	Result, Orig Rst	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Action Lev	Rpt Unit, CRDL	Yield	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 2333046	7196_CR6			**Work Order:** MXFP11AM		**Report DB ID:** MXFP11ER			**Orig Sa DB ID:** 9MXFP110			
HEXCHROME	4.51E+00			0.0E+00	1.55E-01	mg/kg	N/A	(29.1)	11/28/12 03:00 p		2.5148	
	3.35E+00		**RPD**	**29.6**		3.50E-01		N/A			g	

No. of Results: 1 **Comments:**

TestAmerica
rptSTLRchDupV5.
2.22 A2002

RPD - Relative Percent Difference.
MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.

FORM II

Date: 30-Nov-12

DUPLICATE RESULTS

Lab Name:	TestAmerica	**SDG:**	J01624	**Collection Date:**	11/26/2012 8:15:00 AM
Lot-Sample No.:	J2K260410-1	**Report No. :**	53874	**Received Date:**	11/26/2012 12:32:00 PM
Client Sample ID:	J1R5T9	**COC No. :**	RC-207-111	**Matrix:**	SOIL

Parameter	Result, Orig Rst	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Action Lev	Rpt Unit, CRDL	Yield	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 2331087	7196_CR6			Work Order:	MXEWP1CL		Report DB ID:	MXEWP1ER	Orig Sa DB ID:	9MXEWP10		
HEXCHROME	1.55E-01	U		0.0E+00	1.55E-01	mg/kg	N/A	1.	11/26/12 02:45 p		2.5047	
	1.55E-01	U	RPD	0.0				N/A			g	

No. of Results: 1 Comments:

TestAmerica
rptSTLRchDupV5.
2.22 A2002

RPD - Relative Percent Difference.
MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdl, Total Uncert, CRDL, RDL or not identified by gamma scan software.

FORM II

Date: 30-Nov-12

DUPLICATE RESULTS

Lab Name:	**TestAmerica**	**SDG:**	J01624	**Collection Date:**	11/29/2012 10:15:00 AM
Lot-Sample No.:	**J2K290423-1**	**Report No. :**	53874	**Received Date:**	11/29/2012 11:30:00 AM
Client Sample ID:	**J1R5V6**	**COC No. :**	RC-207-112	**Matrix:**	SOIL

Parameter	Result, Orig Rst	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Action Lev	Rpt Unit, CRDL	Yield	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 2334045	7196_CR6			**Work Order:** MXFXJ1cf		**Report DB ID:** MXFXJ1ER			**Orig Sa DB ID:** 9MXFXJ10			
HEXCHROME	2.54E-01			0.0E+00	1.55E-01	mg/kg	N/A	(1.6)	11/29/12 02:25 p		2.5045	
	1.94E-01		**RPD**	**26.8**		3.50E-01		N/A			g	

No. of Results: 1 **Comments:**

TestAmerica **RPD** - Relative Percent Difference.

rptSTLRchDupV5.2.22 A2002 **MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.**

FORM II

Date: 30-Nov-12

DUPLICATE RESULTS

Lab Name:	TestAmerica	**SDG:**	J01624	**Collection Date:**	11/27/2012 9:00:00 AM
Lot-Sample No.:	J2K270418-1	**Report No. :**	53874	**Received Date:**	11/27/2012 10:35:00 AM
Client Sample ID:	J1R627	**COC No. :**	RC-207-114	**Matrix:**	SOIL

Parameter	Result, Orig Rst	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Action Lev	Rpt Unit, CRDL	Yield	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 2332044	7196_CR6			Work Order: MXE9C1AM		Report DB ID: MXE9C1ER			Orig Sa DB ID: 9MXE9C10			
HEXCHROME	1.55E-01	U		0.0E+00	1.55E-01	mg/kg	N/A	1.	11/27/12 12:30 p		2.5031	
	1.88E-01		RPD	19.2		3.50E-01		N/A			g	

No. of Results: 1 Comments:

TestAmerica
rptSTLRchDupV5.
2.22 A2002

RPD - Relative Percent Difference.
MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdl, Total Uncert, CRDL, RDL or not identified by gamma scan software.

FORM II

BLANK RESULTS

Date: 30-Nov-12

Lab Name: TestAmerica

Matrix: SOIL

SDG: J01624

Report No. : 53874

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Lc	Rpt Unit, CRDL	Yield	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 2331087	7196_CR6			**Work Order:**	MXE0J1AA		**Report DB ID:**	MXE0J1AB				
HEXCHROME	1.55E-01	U		0.0E+00	1.55E-01	mg/kg	N/A	1.	11/26/12 02:45 p		2.5	
						1.55E-01		N/A			g	
Batch: 2332044	7196_CR6			**Work Order:**	MXE9R1AA		**Report DB ID:**	MXE9R1AB				
HEXCHROME	1.55E-01	U		0.0E+00	1.55E-01	mg/kg	N/A	1.	11/27/12 12:30 p		2.5	
						1.55E-01		N/A			g	
Batch: 2333046	7196_CR6			**Work Order:**	MXFQN1AA		**Report DB ID:**	MXFQN1AB				
HEXCHROME	1.55E-01	U		0.0E+00	1.55E-01	mg/kg	N/A	1.	11/28/12 03:00 p		2.5	
						1.55E-01		N/A			g	
Batch: 2334045	7196_CR6			**Work Order:**	MXF2C1AA		**Report DB ID:**	MXF2C1AB				
HEXCHROME	1.55E-01	U		0.0E+00	1.55E-01	mg/kg	N/A	1.	11/29/12 02:25 p		2.5	
						1.55E-01		N/A			g	

No. of Results: 4 **Comments:**

TestAmerica
rptSTLRchBlank
V5.2.22 A2002

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdl, Total Uncert, CRDL, RDL or not identified by gamma scan software.

FORM II

LCS RESULTS

Date: 30-Nov-12

Lab Name: TestAmerica

Matrix: SOIL

SDG: J01624

Report No. : 53874

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL	Report Unit	Yield	Expected	Expected Uncert	Recovery, Bias	Analysis, Prep Date	Aliquot Size	Primary Detector
Batch: 2331087	7196_CR6			**Work Order:**	MXE0J1AC		**Report DB ID:**	MXE0J1AS					
HEXCHROME	1.78E+01			0.0E+00	1.55E-01	mg/kg	N/A	1.90E+01		94%	11/26/12 02:45 p	2.5	
							Rec Limits:	80	120	-0.1		g	
Batch: 2332044	7196_CR6			**Work Order:**	MXE9R1AC		**Report DB ID:**	MXE9R1AS					
HEXCHROME	1.79E+01			0.0E+00	1.55E-01	mg/kg	N/A	1.90E+01		94%	11/27/12 12:30 p	2.5	
							Rec Limits:	80	120	-0.1		g	
Batch: 2333046	7196_CR6			**Work Order:**	MXFQN1AC		**Report DB ID:**	MXFQN1AS					
HEXCHROME	1.79E+01			0.0E+00	1.55E-01	mg/kg	N/A	1.90E+01		94%	11/28/12 03:00 p	2.5	
							Rec Limits:	80	120	-0.1		g	
Batch: 2334045	7196_CR6			**Work Order:**	MXF2C1AC		**Report DB ID:**	MXF2C1AS					
HEXCHROME	1.84E+01			0.0E+00	1.55E-01	mg/kg	N/A	1.90E+01		97%	11/29/12 02:25 p	2.5	
							Rec Limits:	80	120	0.0		g	

No. of Results: 4 **Comments:**

TestAmerica **Bias** - (Result/Expected)-1 as defined by ANSI N13.30.

rptSTLRchLcs
V5.2.22 A2002

FORM II

Date: 30-Nov-12

MATRIX SPIKE RESULTS

Lab Name: TestAmerica **SDG:** J01624

Lot-Sample No.: J2K260410-1, J1R5T9 **Report No. :** 53874 **Matrix:** SOIL

Parameter	SpikeResult, Orig Rst	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA	Rpt Unit, CRDL	Yield	Rec-overy	Expected, Uncert	Analysis, Prep Date	Aliquot Size	Analy Method, Primary Detector
Batch: 2331087	Work Order: MXEWP1CK			Report DB ID: MXEWP1CW			Orig Sa DB ID: 9MXEWP10					
HEXCHROME	2.65E+01			0.0E+00	1.55E-01	mg/kg	N/A	88.67%	2.99E+01	11/26/12 02:45 p	2.518	7196_CR6
	1.55E-01										g	

Number of Results: 1

Comments:

TestAmerica
rptSTLRchMs
V5.2.22 A2002

RER - Replicate Error Ratio = (S-D)/[sqrt(sq(TPUs)+sq(TPUd))] as defined by ICPT BOA.
Bias - (Result/Expected)-1 as defined by ANSI N13.30.

FORM II

MATRIX SPIKE RESULTS

Date: 30-Nov-12

Lab Name: TestAmerica **SDG:** J01624

Lot-Sample No.: J2K270418-1, J1R627 **Report No. :** 53874 **Matrix:** SOIL

Parameter	SpikeResult, Orig Rst	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA	Rpt Unit, CRDL	Yield	Rec-overy	Expected, Uncert	Analysis, Prep Date	Aliquot Size	Analy Method, Primary Detector
Batch: 2332044	Work Order:	MXE9C1AL		Report DB ID:	MXE9C1CW		Orig Sa DB ID:	9MXE9C10				
HEXCHROME	2.19E+01			0.0E+00	1.55E-01	mg/kg	N/A	72.90%	3.01E+01	11/27/12 12:30 p	2.5195	7196_CR6
	1.88E-01										g	

Number of Results: 1

Comments:

TestAmerica
rptSTLRchMs
V5.2.22 A2002

RER - Replicate Error Ratio = (S-D)/[sqrt(sq(TPUs)+sq(TPUd))] as defined by ICPT BOA.
Bias - (Result/Expected)-1 as defined by ANSI N13.30.

FORM II

MATRIX SPIKE RESULTS

Date: 30-Nov-12

Lab Name: TestAmerica **SDG:** J01624

Lot-Sample No.: J2K280438-1, J1R5R9 **Report No. :** 53874 **Matrix:** SOIL

Parameter	SpikeResult, Orig Rst	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA	Rpt Unit, CRDL	Yield	Rec-overy	Expected, Uncert	Analysis, Prep Date	Aliquot Size	Analy Method, Primary Detector
Batch: 2333046	Work Order:	MXFP11AL		Report DB ID:	MXFP11CW		Orig Sa DB ID:	9MXFP110				
HEXCHROME	2.92E+01			0.0E+00	1.55E-01	mg/kg	N/A	85.41%	3.42E+01	11/28/12 03:00 p	2.5099	7196_CR6
	3.35E+00										g	

Number of Results: 1

Comments:

TestAmerica
rptSTLRchMs
V5.2.22 A2002

RER - Replicate Error Ratio = (S-D)/[sqrt(sq(TPUs)+sq(TPUd))] as defined by ICPT BOA.
Bias - (Result/Expected)-1 as defined by ANSI N13.30.

FORM II

MATRIX SPIKE RESULTS

Date: 30-Nov-12

Lab Name: TestAmerica **SDG:** J01624

Lot-Sample No.: J2K290423-1, J1R5V6 **Report No. :** 53874 **Matrix:** SOIL

Parameter	SpikeResult, Orig Rst	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA	Rpt Unit, CRDL	Yield	Rec-overy	Expected, Uncert	Analysis, Prep Date	Aliquot Size	Analy Method, Primary Detector
Batch: 2334045	Work Order:	MXFXJ1CE		Report DB ID:	MXFXJ1CW		Orig Sa DB ID:	9MXFXJ10				
HEXCHROME	2.49E+01			0.0E+00	1.55E-01	mg/kg	N/A	82.95%	3.01E+01	11/29/12 02:25 p	2.5255	7196_CR6
	1.94E-01										g	

Number of Results: 1

Comments:

TestAmerica
rptSTLRchMs
V5.2.22 A2002

RER - Replicate Error Ratio = (S-D)/[sqrt(sq(TPUs)+sq(TPUd))] as defined by ICPT BOA.
Bias - (Result/Expected)-1 as defined by ANSI N13.30.

SDG: J01624
SAF: RC-207
BATCH: 2331084
MATRIX: SOIL
ANALYSIS DATE: 11/26/12

Client_id	Matrix	Result_	Cas_nbr	Parameter	Result	Qualifier	Units	Reporting_Limits_S	Reporting_Limits	Uncertainty_1s	Analyzed_	Analyz	Decision_level_lc	LCSRecc	Added	Analysis_date_time	Batch_nbr	Test_Meth	Lab_sample_Id
J1R5T9	SOIL	CS	7440-22-4	Ag	-1.56E-01	U	UG/G	9.80E+00	9.80E+00	1.10E-01	0.255	G	8.94E-02			11/26/2012 19:24	2331084	46DQ	MXEWP1A0
J1R5T9	SOIL	CS	7440-38-2	As	6.46E-01	U	UG/G	9.80E+00	9.80E+00	4.40E-01	0.255	G	3.62E-01			11/26/2012 19:24	2331084	46DQ	MXEWP1A0
J1R5T9	SOIL	CS	7440-39-3	Ba	6.64E+01		UG/G	1.96E+00	1.96E+00	1.00E+00	0.255	G	8.48E-01			11/26/2012 19:24	2331084	46DQ	MXEWP1A0
J1R5T9	SOIL	CS	7440-41-7	Beryllium	2.04E-01		UG/G	9.80E-02	9.80E-02	4.10E-03	0.255	G	3.40E-03			11/26/2012 19:24	2331084	46DQ	MXEWP1A0
J1R5T9	SOIL	CS	7440-43-9	Cadmium	3.13E-02	U	UG/G	1.96E+00	1.96E+00	7.60E-02	0.255	G	6.22E-02			11/26/2012 19:24	2331084	46DQ	MXEWP1A0
J1R5T9	SOIL	CS	7440-47-3	Chromium	3.12E+00	U	UG/G	9.80E+00	9.80E+00	1.30E-01	0.255	G	1.04E-01			11/26/2012 19:24	2331084	46DQ	MXEWP1A0
J1R5T9	SOIL	CS	7439-92-1	Lead	1.74E+00	U	UG/G	9.80E+00	9.80E+00	2.10E-01	0.255	G	1.75E-01			11/26/2012 19:24	2331084	46DQ	MXEWP1A0
J1R5T9	SOIL	CS	7782-49-2	Se	-6.55E-01	U	UG/G	9.80E+00	9.80E+00	3.60E-01	0.255	G	2.96E-01			11/26/2012 19:24	2331084	46DQ	MXEWP1A0
J1R5V0	SOIL	CS	7440-22-4	Ag	-1.57E-01	U	UG/G	1.01E+01	1.01E+01	1.30E-01	0.2478	G	1.05E-01			11/26/2012 19:46	2331084	46DQ	MXEWQ1AA
J1R5V0	SOIL	CS	7440-38-2	As	7.72E-01	U	UG/G	1.01E+01	1.01E+01	1.30E-01	0.2478	G	1.08E-01			11/26/2012 19:46	2331084	46DQ	MXEWQ1AA
J1R5V0	SOIL	CS	7440-39-3	Ba	3.69E+01		UG/G	2.02E+00	2.02E+00	1.60E-01	0.2478	G	1.29E-01			11/26/2012 19:46	2331084	46DQ	MXEWQ1AA
J1R5V0	SOIL	CS	7440-41-7	Beryllium	2.14E-01		UG/G	1.01E-01	1.01E-01	3.90E-03	0.2478	G	3.24E-03			11/26/2012 19:46	2331084	46DQ	MXEWQ1AA
J1R5V0	SOIL	CS	7440-43-9	Cadmium	6.89E-02	U	UG/G	2.02E+00	2.02E+00	9.00E-02	0.2478	G	7.44E-02			11/26/2012 19:46	2331084	46DQ	MXEWQ1AA
J1R5V0	SOIL	CS	7440-47-3	Chromium	2.43E+00	U	UG/G	1.01E+01	1.01E+01	1.80E-01	0.2478	G	1.51E-01			11/26/2012 19:46	2331084	46DQ	MXEWQ1AA
J1R5V0	SOIL	CS	7439-92-1	Lead	2.05E+00	U	UG/G	1.01E+01	1.01E+01	2.60E-01	0.2478	G	2.12E-01			11/26/2012 19:46	2331084	46DQ	MXEWQ1AA
J1R5V0	SOIL	CS	7782-49-2	Se	-9.38E-01	U	UG/G	1.01E+01	1.01E+01	3.50E-01	0.2478	G	2.87E-01			11/26/2012 19:46	2331084	46DQ	MXEWQ1AA
J1R5V1	SOIL	CS	7440-22-4	Ag	-1.17E-01	U	UG/G	1.01E+01	1.01E+01	3.70E-01	0.2485	G	3.03E-01			11/26/2012 19:50	2331084	46DQ	MXEWR1AA
J1R5V1	SOIL	CS	7440-38-2	As	4.70E-01	U	UG/G	1.01E+01	1.01E+01	3.20E-01	0.2485	G	2.66E-01			11/26/2012 19:50	2331084	46DQ	MXEWR1AA
J1R5V1	SOIL	CS	7440-39-3	Ba	3.83E+01		UG/G	2.01E+00	2.01E+00	1.50E-01	0.2485	G	1.25E-01			11/26/2012 19:50	2331084	46DQ	MXEWR1AA
J1R5V1	SOIL	CS	7440-41-7	Beryllium	1.81E-01		UG/G	1.01E-01	1.01E-01	3.90E-03	0.2485	G	3.19E-03			11/26/2012 19:50	2331084	46DQ	MXEWR1AA
J1R5V1	SOIL	CS	7440-43-9	Cadmium	2.14E-02	U	UG/G	2.01E+00	2.01E+00	5.00E-02	0.2485	G	4.13E-02			11/26/2012 19:50	2331084	46DQ	MXEWR1AA
J1R5V1	SOIL	CS	7440-47-3	Chromium	1.71E+00	U	UG/G	1.01E+01	1.01E+01	3.20E-02	0.2485	G	2.60E-02			11/26/2012 19:50	2331084	46DQ	MXEWR1AA
J1R5V1	SOIL	CS	7439-92-1	Lead	1.45E+00	U	UG/G	1.01E+01	1.01E+01	2.80E-02	0.2485	G	2.32E-02			11/26/2012 19:50	2331084	46DQ	MXEWR1AA
J1R5V1	SOIL	CS	7782-49-2	Se	-9.42E-01	U	UG/G	1.01E+01	1.01E+01	4.40E-01	0.2485	G	3.59E-01			11/26/2012 19:50	2331084	46DQ	MXEWR1AA
J1R5V4	SOIL	CS	7440-22-4	Ag	-1.80E-01	U	UG/G	1.01E+01	1.01E+01	1.30E-01	0.2482	G	1.06E-01			11/26/2012 19:55	2331084	46DQ	MXEWW1AA
J1R5V4	SOIL	CS	7440-38-2	As	1.53E-01	U	UG/G	1.01E+01	1.01E+01	2.70E-01	0.2482	G	2.25E-01			11/26/2012 19:55	2331084	46DQ	MXEWW1AA
J1R5V4	SOIL	CS	7440-39-3	Ba	4.90E+01		UG/G	2.01E+00	2.01E+00	5.80E-01	0.2482	G	4.73E-01			11/26/2012 19:55	2331084	46DQ	MXEWW1AA
J1R5V4	SOIL	CS	7440-41-7	Beryllium	1.88E-01		UG/G	1.01E-01	1.01E-01	1.60E-02	0.2482	G	1.28E-02			11/26/2012 19:55	2331084	46DQ	MXEWW1AA
J1R5V4	SOIL	CS	7440-43-9	Cadmium	1.63E-02	U	UG/G	2.01E+00	2.01E+00	2.30E-02	0.2482	G	1.90E-02			11/26/2012 19:55	2331084	46DQ	MXEWW1AA
J1R5V4	SOIL	CS	7440-47-3	Chromium	2.11E+00	U	UG/G	1.01E+01	1.01E+01	9.40E-02	0.2482	G	7.76E-02			11/26/2012 19:55	2331084	46DQ	MXEWW1AA
J1R5V4	SOIL	CS	7439-92-1	Lead	1.64E+00	U	UG/G	1.01E+01	1.01E+01	1.80E-01	0.2482	G	1.45E-01			11/26/2012 19:55	2331084	46DQ	MXEWW1AA
J1R5V4	SOIL	CS	7782-49-2	Se	-1.13E+00	U	UG/G	1.01E+01	1.01E+01	7.20E-01	0.2482	G	5.94E-01			11/26/2012 19:55	2331084	46DQ	MXEWW1AA
J1R5V5	SOIL	CS	7440-22-4	Ag	-2.70E-01	U	UG/G	9.88E+00	9.88E+00	1.60E-01	0.2531	G	1.35E-01			11/26/2012 20:00	2331084	46DQ	MXEWX1AA
J1R5V5	SOIL	CS	7440-38-2	As	3.47E-01	U	UG/G	9.88E+00	9.88E+00	2.60E-01	0.2531	G	2.13E-01			11/26/2012 20:00	2331084	46DQ	MXEWX1AA
J1R5V5	SOIL	CS	7440-39-3	Ba	4.60E+01		UG/G	1.98E+00	1.98E+00	3.60E-01	0.2531	G	3.00E-01			11/26/2012 20:00	2331084	46DQ	MXEWX1AA
J1R5V5	SOIL	CS	7440-41-7	Beryllium	2.26E-01		UG/G	9.88E-02	9.88E-02	9.50E-03	0.2531	G	7.85E-03			11/26/2012 20:00	2331084	46DQ	MXEWX1AA
J1R5V5	SOIL	CS	7440-43-9	Cadmium	2.62E-02	U	UG/G	1.98E+00	1.98E+00	2.20E-02	0.2531	G	1.80E-02			11/26/2012 20:00	2331084	46DQ	MXEWX1AA
J1R5V5	SOIL	CS	7440-47-3	Chromium	2.53E+00	U	UG/G	9.88E+00	9.88E+00	5.30E-02	0.2531	G	4.39E-02			11/26/2012 20:00	2331084	46DQ	MXEWX1AA
J1R5V5	SOIL	CS	7439-92-1	Lead	1.90E+00	U	UG/G	9.88E+00	9.88E+00	4.30E-02	0.2531	G	3.57E-02			11/26/2012 20:00	2331084	46DQ	MXEWX1AA
J1R5V5	SOIL	CS	7782-49-2	Se	-5.31E-01	U	UG/G	9.88E+00	9.88E+00	1.00E+00	0.2531	G	8.44E-01			11/26/2012 20:00	2331084	46DQ	MXEWX1AA
INTRA-LAB BLANK	SOIL	BLK	7440-22-4	Ag	1.12E-03	U	MG/L	5.00E-02	5.00E-02	4.80E-04	0.2503	L	3.92E-04			11/26/2012 18:55	2331084	46DQ	MXEXG1AA
INTRA-LAB BLANK	SOIL	BLK	7440-38-2	As	-5.22E-04	U	MG/L	5.00E-02	5.00E-02	1.10E-03	0.2503	L	8.90E-04			11/26/2012 18:55	2331084	46DQ	MXEXG1AA
INTRA-LAB BLANK	SOIL	BLK	7440-39-3	Ba	2.23E-05	U	MG/L	1.00E-02	1.00E-02	2.10E-05	0.2503	L	1.72E-05			11/26/2012 18:55	2331084	46DQ	MXEXG1AA
INTRA-LAB BLANK	SOIL	BLK	7440-41-7	Beryllium	8.26E-05	U	MG/L	5.00E-04	5.00E-04	2.90E-05	0.2503	L	2.37E-05			11/26/2012 18:55	2331084	46DQ	MXEXG1AA
INTRA-LAB BLANK	SOIL	BLK	7440-43-9	Cadmium	1.68E-04	U	MG/L	1.00E-02	1.00E-02	3.20E-04	0.2503	L	2.67E-04			11/26/2012 18:55	2331084	46DQ	MXEXG1AA
INTRA-LAB BLANK	SOIL	BLK	7440-47-3	Chromium	-2.02E-04	U	MG/L	5.00E-02	5.00E-02	3.30E-04	0.2503	L	2.67E-04			11/26/2012 18:55	2331084	46DQ	MXEXG1AA
INTRA-LAB BLANK	SOIL	BLK	7439-92-1	Lead	1.66E-04	U	MG/L	5.00E-02	5.00E-02	1.60E-03	0.2503	L	1.29E-03			11/26/2012 18:55	2331084	46DQ	MXEXG1AA
INTRA-LAB BLANK	SOIL	BLK	7782-49-2	Se	-6.82E-04	U	MG/L	5.00E-02	5.00E-02	2.00E-03	0.2503	L	1.63E-03			11/26/2012 18:55	2331084	46DQ	MXEXG1AA
INTRA-LAB CHECK	SOIL	LCS	7440-22-4	Ag	9.20E-01		MG/L	5.00E-02	5.00E-02	6.60E-03	0.2512	L	5.40E-03	0.92	1	11/26/2012 19:13	2331084	46DQ	MXEXG1AA
INTRA-LAB CHECK	SOIL	LCS	7440-38-2	As	9.10E-01		MG/L	5.00E-02	5.00E-02	1.30E-03	0.2512	L	1.11E-03	0.91	1	11/26/2012 19:13	2331084	46DQ	MXEXG1AA
INTRA-LAB CHECK	SOIL	LCS	7440-39-3	Ba	9.95E-01		MG/L	1.00E-02	1.00E-02	6.70E-03	0.2512	L	5.48E-03	0.99	1	11/26/2012 19:13	2331084	46DQ	MXEXG1AA
INTRA-LAB CHECK	SOIL	LCS	7440-41-7	Beryllium	9.16E-01		MG/L	5.00E-04	5.00E-04	7.40E-03	0.2512	L	6.05E-03	0.92	1	11/26/2012 19:13	2331084	46DQ	MXEXG1AA
INTRA-LAB CHECK	SOIL	LCS	7440-43-9	Cadmium	8.85E-01		MG/L	1.00E-02	1.00E-02	6.00E-03	0.2512	L	4.91E-03	0.88	1	11/26/2012 19:13	2331084	46DQ	MXEXG1AA
INTRA-LAB CHECK	SOIL	LCS	7440-47-3	Chromium	9.39E-01		MG/L	5.00E-02	5.00E-02	7.70E-03	0.2512	L	6.32E-03	0.94	1	11/26/2012 19:13	2331084	46DQ	MXEXG1AA
INTRA-LAB CHECK	SOIL	LCS	7439-92-1	Lead	9.41E-01		MG/L	5.00E-02	5.00E-02	5.10E-03	0.2512	L	4.19E-03	0.94	1	11/26/2012 19:13	2331084	46DQ	MXEXG1AA
INTRA-LAB CHECK	SOIL	LCS	7782-49-2	Se	8.38E-01		MG/L	5.00E-02	5.00E-02	8.60E-03	0.2512	L	7.06E-03	0.84	1	11/26/2012 19:13	2331084	46DQ	MXEXG1AA
J1R5T9 DUP	SOIL	DUP	7440-22-4	Ag	-1.87E-01	U	UG/G	1.01E+01	1.01E+01	2.30E-01	0.2485	G	1.86E-01			11/26/2012 19:41	2331084	46DQ	MXEWP1A0
J1R5T9 DUP	SOIL	DUP	7440-38-2	As	6.27E-01	U	UG/G	1.01E+01	1.01E+01	3.20E-01	0.2485	G	2.61E-01			11/26/2012 19:41	2331084	46DQ	MXEWP1A0
J1R5T9 DUP	SOIL	DUP	7440-39-3	Ba	5.88E+01		UG/G	2.01E+00	2.01E+00	2.40E-01	0.2485	G	1.97E-01			11/26/2012 19:41	2331084	46DQ	MXEWP1A0
J1R5T9 DUP	SOIL	DUP	7440-41-7	Beryllium	2.16E-01		UG/G	1.01E-01	1.01E-01	6.40E-03	0.2485	G	5.28E-03			11/26/2012 19:41	2331084	46DQ	MXEWP1A0
J1R5T9 DUP	SOIL	DUP	7440-43-9	Cadmium	3.37E-02	U	UG/G	2.01E+00	2.01E+00	9.50E-03	0.2485	G	7.78E-03			11/26/2012 19:41	2331084	46DQ	MXEWP1A0
J1R5T9 DUP	SOIL	DUP	7440-47-3	Chromium	2.61E+00	U	UG/G	1.01E+01	1.01E+01	1.10E-01	0.2485	G	8.94E-02			11/26/2012 19:41	2331084	46DQ	MXEWP1A0
J1R5T9 DUP	SOIL	DUP	7439-92-1	Lead	2.20E+00	U	UG/G	1.01E+01	1.01E+01	1.70E-01	0.2485	G	1.37E-01			11/26/2012 19:41	2331084	46DQ	MXEWP1A0
J1R5T9 DUP	SOIL	DUP	7782-49-2	Se	-8.25E-01	U	UG/G	1.01E+01	1.01E+01	2.40E-01	0.2485	G	1.97E-01			11/26/2012 19:41	2331084	46DQ	MXEWP1A0
J1R5T9	SOIL	MS	7440-22-4	Ag	1.75E+02		% REC	1.00E+01	1.00E+01	2.50E+00	0.2499	L	2.08E+00	0.88	200	11/26/2012 19:29	2331084	46DQ	MXEWP1A0
J1R5T9	SOIL	MS	7440-38-2	As	1.77E+02		% REC	1.00E+01	1.00E+01	5.50E-01	0.2499	L	4.52E-01	0.89	199	11/26/2012 19:29	2331084	46DQ	MXEWP1A0
J1R5T9	SOIL	MS	7440-39-3	Ba	1.71E+02		% REC	2.00E+00	2.00E+00	8.60E+00	0.2499	L	7.07E+00	1.19	143	11/26/2012 19:29	2331084	46DQ	MXEWP1A0
J1R5T9	SOIL	MS	7440-41-7	Beryllium	1.75E+02		% REC	1.00E-01	1.00E-01	2.30E+00	0.2499	L	1.87E+00	0.88	200	11/26/2012 19:29	2331084	46DQ	MXEWP1A0

Client_id	Matrix	Result_	Cas_nbr	Parameter	Result	Qualifier	Units	Reporting_Limits_S	Reporting_Limits	Uncertainty_1s	Analyzed_:	Analyz	Decision_level_lc	LCSRecc	Added	Analysis_date_time	Batch_nbr	Test_Meth	Lab_sample_id
J1R5T9	SOIL	MS	7440-43-9	Cadmium	1.71E+02		% REC	2.00E+00	2.00E+00	1.10E+00	0.2499	L	8.85E-01	0.85	200	11/26/2012 19:29	2331084	46DQ	MXEWP1A0
J1R5T9	SOIL	MS	7440-47-3	Chromium	1.73E+02		% REC	1.00E+01	1.00E+01	3.00E+00	0.2499	L	2.44E+00	0.88	197	11/26/2012 19:29	2331084	46DQ	MXEWP1A0
J1R5T9	SOIL	MS	7439-92-1	Lead	1.75E+02		% REC	1.00E+01	1.00E+01	2.20E+00	0.2499	L	1.82E+00	0.88	198	11/26/2012 19:29	2331084	46DQ	MXEWP1A0
J1R5T9	SOIL	MS	7782-49-2	Se	1.62E+02		% REC	1.00E+01	1.00E+01	8.30E-01	0.2499	L	6.84E-01	0.81	200	11/26/2012 19:29	2331084	46DQ	MXEWP1A0
J1R5T9	SOIL	MSD	7440-22-4	Ag	1.73E+02		% REC	1.01E+01	1.01E+01	3.20E+00	0.2481	L	2.67E+00	0.86	202	11/26/2012 19:35	2331084	46DQ	MXEWP1A0
J1R5T9	SOIL	MSD	7440-38-2	As	1.76E+02		% REC	1.01E+01	1.01E+01	3.80E-01	0.2481	L	3.15E-01	0.87	201	11/26/2012 19:35	2331084	46DQ	MXEWP1A0
J1R5T9	SOIL	MSD	7440-39-3	Ba	1.59E+02		% REC	2.02E+00	2.02E+00	3.40E+00	0.2481	L	2.81E+00	1.13	141	11/26/2012 19:35	2331084	46DQ	MXEWP1A0
J1R5T9	SOIL	MSD	7440-41-7	Beryllium	1.78E+02		% REC	1.01E-01	1.01E-01	3.00E+00	0.2481	L	2.44E+00	0.88	201	11/26/2012 19:35	2331084	46DQ	MXEWP1A0
J1R5T9	SOIL	MSD	7440-43-9	Cadmium	1.72E+02		% REC	2.02E+00	2.02E+00	1.20E+00	0.2481	L	9.84E-01	0.85	202	11/26/2012 19:35	2331084	46DQ	MXEWP1A0
J1R5T9	SOIL	MSD	7440-47-3	Chromium	1.77E+02		% REC	1.01E+01	1.01E+01	2.50E+00	0.2481	L	2.08E+00	0.89	198	11/26/2012 19:35	2331084	46DQ	MXEWP1A0
J1R5T9	SOIL	MSD	7439-92-1	Lead	1.75E+02		% REC	1.01E+01	1.01E+01	3.20E-01	0.2481	L	2.60E-01	0.88	200	11/26/2012 19:35	2331084	46DQ	MXEWP1A0
J1R5T9	SOIL	MSD	7782-49-2	Se	1.61E+02		% REC	1.01E+01	1.01E+01	7.00E-01	0.2481	L	5.75E-01	0.8	202	11/26/2012 19:35	2331084	46DQ	MXEWP1A0

SDG: J01624
SAF: RC-207
BATCH: 2332045
MATRIX: SOIL
ANALYSIS DATE: 11/27/12

Client_Id	Matrix	Result_	Cas_nbr	Parameter	Result	Qualifier	Units	Reporting_Limits_S	Reporting_Limits	Uncertainty_1s	Analyzed_s	Analyz	Decision_level_lc	LCS	Reco	Addc	Analysis_date_time	Batch_nbr	Test_Met	Lab_sample_id
J1R627	SOIL	CS	7440-22-4	Ag	-1.81E-02	U	UG/G	9.87E+00	9.87E+00	1.50E-01	0.2532	G	1.22E-01				11/27/2012 18:47	2332045	46DQ	MXE9C1A0
J1R627	SOIL	CS	7440-38-2	As	7.73E+00	U	UG/G	9.87E+00	9.87E+00	1.00E+00	0.2532	G	8.39E-01				11/27/2012 18:47	2332045	46DQ	MXE9C1A0
J1R627	SOIL	CS	7440-39-3	Ba	7.89E+01		UG/G	1.97E+00	1.97E+00	1.30E+00	0.2532	G	1.04E+00				11/27/2012 18:47	2332045	46DQ	MXE9C1A0
J1R627	SOIL	CS	7440-41-7	Beryllium	3.86E-01		UG/G	9.87E-02	9.87E-02	6.00E-03	0.2532	G	4.97E-03				11/27/2012 18:47	2332045	46DQ	MXE9C1A0
J1R627	SOIL	CS	7440-43-9	Cadmium	1.17E-01	U	UG/G	1.97E+00	1.97E+00	3.60E-02	0.2532	G	2.92E-02				11/27/2012 18:47	2332045	46DQ	MXE9C1A0
J1R627	SOIL	CS	7440-47-3	Chromium	8.25E+00	U	UG/G	9.87E+00	9.87E+00	2.80E-01	0.2532	G	2.32E-01				11/27/2012 18:47	2332045	46DQ	MXE9C1A0
J1R627	SOIL	CS	7439-92-1	Lead	7.04E+00	U	UG/G	9.87E+00	9.87E+00	3.10E-01	0.2532	G	2.55E-01				11/27/2012 18:47	2332045	46DQ	MXE9C1A0
J1R627	SOIL	CS	7782-49-2	Se	6.28E-01	U	UG/G	9.87E+00	9.87E+00	1.60E+00	0.2532	G	1.34E+00				11/27/2012 18:47	2332045	46DQ	MXE9C1A0
J1R628	SOIL	CS	7440-22-4	Ag	-1.27E-01	U	UG/G	9.86E+00	9.86E+00	1.80E-01	0.2536	G	1.47E-01				11/27/2012 19:05	2332045	46DQ	MXE9J1AA
J1R628	SOIL	CS	7440-38-2	As	2.56E+00	U	UG/G	9.86E+00	9.86E+00	7.20E-01	0.2536	G	5.90E-01				11/27/2012 19:05	2332045	46DQ	MXE9J1AA
J1R628	SOIL	CS	7440-39-3	Ba	5.30E+01		UG/G	1.97E+00	1.97E+00	6.30E-01	0.2536	G	5.21E-01				11/27/2012 19:05	2332045	46DQ	MXE9J1AA
J1R628	SOIL	CS	7440-41-7	Beryllium	2.34E-01		UG/G	9.86E-02	9.86E-02	1.60E-03	0.2536	G	1.34E-03				11/27/2012 19:05	2332045	46DQ	MXE9J1AA
J1R628	SOIL	CS	7440-43-9	Cadmium	7.43E-02	U	UG/G	1.97E+00	1.97E+00	7.70E-02	0.2536	G	6.34E-02				11/27/2012 19:05	2332045	46DQ	MXE9J1AA
J1R628	SOIL	CS	7440-47-3	Chromium	3.08E+00	U	UG/G	9.86E+00	9.86E+00	1.70E-01	0.2536	G	1.43E-01				11/27/2012 19:05	2332045	46DQ	MXE9J1AA
J1R628	SOIL	CS	7439-92-1	Lead	2.68E+00	U	UG/G	9.86E+00	9.86E+00	4.40E-01	0.2536	G	3.66E-01				11/27/2012 19:05	2332045	46DQ	MXE9J1AA
J1R628	SOIL	CS	7782-49-2	Se	4.76E-01	U	UG/G	9.86E+00	9.86E+00	5.40E-01	0.2536	G	4.46E-01				11/27/2012 19:05	2332045	46DQ	MXE9J1AA
J1R629	SOIL	CS	7440-22-4	Ag	3.07E-02	U	UG/G	1.01E+01	1.01E+01	2.20E-01	0.2479	G	1.77E-01				11/27/2012 19:08	2332045	46DQ	MXE9L1AA
J1R629	SOIL	CS	7440-38-2	As	3.13E+00	U	UG/G	1.01E+01	1.01E+01	4.90E-01	0.2479	G	3.99E-01				11/27/2012 19:08	2332045	46DQ	MXE9L1AA
J1R629	SOIL	CS	7440-39-3	Ba	4.46E+01		UG/G	2.02E+00	2.02E+00	2.90E-01	0.2479	G	2.42E-01				11/27/2012 19:08	2332045	46DQ	MXE9L1AA
J1R629	SOIL	CS	7440-41-7	Beryllium	2.22E-01		UG/G	1.01E-01	1.01E-01	1.10E-02	0.2479	G	8.86E-03				11/27/2012 19:08	2332045	46DQ	MXE9L1AA
J1R629	SOIL	CS	7440-43-9	Cadmium	7.59E-02	U	UG/G	2.02E+00	2.02E+00	3.10E-02	0.2479	G	2.51E-02				11/27/2012 19:08	2332045	46DQ	MXE9L1AA
J1R629	SOIL	CS	7440-47-3	Chromium	4.70E+00	U	UG/G	1.01E+01	1.01E+01	1.20E-01	0.2479	G	9.83E-02				11/27/2012 19:08	2332045	46DQ	MXE9L1AA
J1R629	SOIL	CS	7439-92-1	Lead	2.71E+00	U	UG/G	1.01E+01	1.01E+01	1.10E+00	0.2479	G	8.71E-01				11/27/2012 19:08	2332045	46DQ	MXE9L1AA
J1R629	SOIL	CS	7782-49-2	Se	2.76E-01	U	UG/G	1.01E+01	1.01E+01	5.00E-01	0.2479	G	4.12E-01				11/27/2012 19:08	2332045	46DQ	MXE9L1AA
INTRA-LAB BLANK	SOIL	BLK	7440-22-4	Ag	8.19E-04	U	MG/L	5.00E-02	5.00E-02	7.60E-04	0.2518	L	6.22E-04				11/27/2012 18:35	2332045	46DQ	MXE9V1AA
INTRA-LAB BLANK	SOIL	BLK	7440-38-2	As	1.51E-03	U	MG/L	5.00E-02	5.00E-02	2.50E-03	0.2518	L	2.02E-03				11/27/2012 18:35	2332045	46DQ	MXE9V1AA
INTRA-LAB BLANK	SOIL	BLK	7440-39-3	Ba	2.15E-04	U	MG/L	1.00E-02	1.00E-02	1.10E-04	0.2518	L	9.13E-05				11/27/2012 18:35	2332045	46DQ	MXE9V1AA
INTRA-LAB BLANK	SOIL	BLK	7440-41-7	Beryllium	7.83E-05	U	MG/L	5.00E-04	5.00E-04	1.40E-04	0.2518	L	1.12E-04				11/27/2012 18:35	2332045	46DQ	MXE9V1AA
INTRA-LAB BLANK	SOIL	BLK	7440-43-9	Cadmium	1.50E-04	U	MG/L	1.00E-02	1.00E-02	2.90E-04	0.2518	L	2.39E-04				11/27/2012 18:35	2332045	46DQ	MXE9V1AA
INTRA-LAB BLANK	SOIL	BLK	7440-47-3	Chromium	5.66E-04	U	MG/L	5.00E-02	5.00E-02	8.60E-04	0.2518	L	7.05E-04				11/27/2012 18:35	2332045	46DQ	MXE9V1AA
INTRA-LAB BLANK	SOIL	BLK	7439-92-1	Lead	-7.81E-04	U	MG/L	5.00E-02	5.00E-02	2.00E-03	0.2518	L	1.65E-03				11/27/2012 18:35	2332045	46DQ	MXE9V1AA
INTRA-LAB BLANK	SOIL	BLK	7782-49-2	Se	2.33E-04	U	MG/L	5.00E-02	5.00E-02	7.30E-03	0.2518	L	6.00E-03				11/27/2012 18:35	2332045	46DQ	MXE9V1AA
INTRA-LAB CHECK	SOIL	LCS	7440-22-4	Ag	9.03E-01		MG/L	5.00E-02	5.00E-02	8.90E-03	0.2532	L	7.31E-03	0.9	1		11/27/2012 18:38	2332045	46DQ	MXE9V1AA
INTRA-LAB CHECK	SOIL	LCS	7440-38-2	As	8.96E-01		MG/L	5.00E-02	5.00E-02	4.00E-03	0.2532	L	3.32E-03	0.9	1		11/27/2012 18:38	2332045	46DQ	MXE9V1AA
INTRA-LAB CHECK	SOIL	LCS	7440-39-3	Ba	9.91E-01		MG/L	1.00E-02	1.00E-02	7.80E-03	0.2532	L	6.41E-03	0.99	1		11/27/2012 18:38	2332045	46DQ	MXE9V1AA
INTRA-LAB CHECK	SOIL	LCS	7440-41-7	Beryllium	9.09E-01		MG/L	5.00E-04	5.00E-04	5.40E-03	0.2532	L	4.42E-03	0.91	1		11/27/2012 18:38	2332045	46DQ	MXE9V1AA
INTRA-LAB CHECK	SOIL	LCS	7440-43-9	Cadmium	8.90E-01		MG/L	1.00E-02	1.00E-02	5.20E-03	0.2532	L	4.30E-03	0.89	1		11/27/2012 18:38	2332045	46DQ	MXE9V1AA
INTRA-LAB CHECK	SOIL	LCS	7440-47-3	Chromium	9.34E-01		MG/L	5.00E-02	5.00E-02	9.00E-03	0.2532	L	7.43E-03	0.93	1		11/27/2012 18:38	2332045	46DQ	MXE9V1AA
INTRA-LAB CHECK	SOIL	LCS	7439-92-1	Lead	9.14E-01		MG/L	5.00E-02	5.00E-02	4.10E-03	0.2532	L	3.40E-03	0.91	1		11/27/2012 18:38	2332045	46DQ	MXE9V1AA
INTRA-LAB CHECK	SOIL	LCS	7782-49-2	Se	8.31E-01		MG/L	5.00E-02	5.00E-02	4.50E-03	0.2532	L	3.67E-03	0.83	1		11/27/2012 18:38	2332045	46DQ	MXE9V1AA
J1R627 DUP	SOIL	DUP	7440-22-4	Ag	2.41E-02	U	UG/G	1.00E+01	1.00E+01	7.90E-02	0.2499	G	6.52E-02				11/27/2012 19:01	2332045	46DQ	MXE9C1A0
J1R627 DUP	SOIL	DUP	7440-38-2	As	7.49E+00	U	UG/G	1.00E+01	1.00E+01	4.20E-01	0.2499	G	3.48E-01				11/27/2012 19:01	2332045	46DQ	MXE9C1A0
J1R627 DUP	SOIL	DUP	7440-39-3	Ba	7.51E+01		UG/G	2.00E+00	2.00E+00	3.40E-01	0.2499	G	2.80E-01				11/27/2012 19:01	2332045	46DQ	MXE9C1A0
J1R627 DUP	SOIL	DUP	7440-41-7	Beryllium	3.70E-01		UG/G	1.00E-01	1.00E-01	1.10E-02	0.2499	G	9.18E-03				11/27/2012 19:01	2332045	46DQ	MXE9C1A0
J1R627 DUP	SOIL	DUP	7440-43-9	Cadmium	9.14E-02	U	UG/G	2.00E+00	2.00E+00	1.30E-02	0.2499	G	1.07E-02				11/27/2012 19:01	2332045	46DQ	MXE9C1A0
J1R627 DUP	SOIL	DUP	7440-47-3	Chromium	8.37E+00	U	UG/G	1.00E+01	1.00E+01	7.60E-02	0.2499	G	6.27E-02				11/27/2012 19:01	2332045	46DQ	MXE9C1A0
J1R627 DUP	SOIL	DUP	7439-92-1	Lead	7.08E+00	U	UG/G	1.00E+01	1.00E+01	1.60E-01	0.2499	G	1.33E-01				11/27/2012 19:01	2332045	46DQ	MXE9C1A0
J1R627 DUP	SOIL	DUP	7782-49-2	Se	6.89E-01	U	UG/G	1.00E+01	1.00E+01	1.80E+00	0.2499	G	1.51E+00				11/27/2012 19:01	2332045	46DQ	MXE9C1A0
J1R627	SOIL	MS	7440-22-4	Ag	1.73E+02		% RECC	9.98E+00	9.98E+00	7.00E-01	0.2506	L	5.77E-01	0.87	200		11/27/2012 18:50	2332045	46DQ	MXE9C1A0
J1R627	SOIL	MS	7440-38-2	As	1.77E+02		% RECC	9.98E+00	9.98E+00	1.70E+00	0.2506	L	1.41E+00	0.89	200		11/27/2012 18:50	2332045	46DQ	MXE9C1A0
J1R627	SOIL	MS	7440-39-3	Ba	1.92E+02		% RECC	2.00E+00	2.00E+00	3.80E-01	0.2506	L	3.11E-01	0.96	200		11/27/2012 18:50	2332045	46DQ	MXE9C1A0
J1R627	SOIL	MS	7440-41-7	Beryllium	1.79E+02		% RECC	9.98E-02	9.98E-02	2.20E+00	0.2506	L	1.84E+00	0.9	200		11/27/2012 18:50	2332045	46DQ	MXE9C1A0
J1R627	SOIL	MS	7440-43-9	Cadmium	1.75E+02		% RECC	2.00E+00	2.00E+00	1.40E+00	0.2506	L	1.12E+00	0.88	200		11/27/2012 18:50	2332045	46DQ	MXE9C1A0
J1R627	SOIL	MS	7440-47-3	Chromium	1.79E+02		% RECC	9.98E+00	9.98E+00	1.10E+00	0.2506	L	9.35E-01	0.9	200		11/27/2012 18:50	2332045	46DQ	MXE9C1A0
J1R627	SOIL	MS	7439-92-1	Lead	1.74E+02		% RECC	9.98E+00	9.98E+00	1.30E+00	0.2506	L	1.07E+00	0.87	200		11/27/2012 18:50	2332045	46DQ	MXE9C1A0
J1R627	SOIL	MS	7782-49-2	Se	1.64E+02		% RECC	9.98E+00	9.98E+00	3.00E-01	0.2506	L	2.51E-01	0.82	200		11/27/2012 18:50	2332045	46DQ	MXE9C1A0
J1R627	SOIL	MSD	7440-22-4	Ag	1.70E+02		% RECC	9.93E+00	9.93E+00	3.40E+00	0.2518	L	2.76E+00	0.86	199		11/27/2012 18:56	2332045	46DQ	MXE9C1A0
J1R627	SOIL	MSD	7440-38-2	As	1.72E+02		% RECC	9.93E+00	9.93E+00	2.70E+00	0.2518	L	2.25E+00	0.87	199		11/27/2012 18:56	2332045	46DQ	MXE9C1A0
J1R627	SOIL	MSD	7440-39-3	Ba	1.75E+02		% RECC	1.99E+00	1.99E+00	7.20E+00	0.2518	L	5.92E+00	0.88	199		11/27/2012 18:56	2332045	46DQ	MXE9C1A0
J1R627	SOIL	MSD	7440-41-7	Beryllium	1.75E+02		% RECC	9.93E-02	9.93E-02	4.30E+00	0.2518	L	3.53E+00	0.88	199		11/27/2012 18:56	2332045	46DQ	MXE9C1A0
J1R627	SOIL	MSD	7440-43-9	Cadmium	1.71E+02		% RECC	1.99E+00	1.99E+00	3.20E+00	0.2518	L	2.64E+00	0.86	199		11/27/2012 18:56	2332045	46DQ	MXE9C1A0
J1R627	SOIL	MSD	7440-47-3	Chromium	1.75E+02		% RECC	9.93E+00	9.93E+00	4.90E+00	0.2518	L	4.01E+00	0.88	199		11/27/2012 18:56	2332045	46DQ	MXE9C1A0
J1R627	SOIL	MSD	7439-92-1	Lead	1.70E+02		% RECC	9.93E+00	9.93E+00	3.30E+00	0.2518	L	2.68E+00	0.86	199		11/27/2012 18:56	2332045	46DQ	MXE9C1A0
J1R627	SOIL	MSD	7782-49-2	Se	1.61E+02		% RECC	9.93E+00	9.93E+00	2.40E+00	0.2518	L	1.94E+00	0.81	199		11/27/2012 18:56	2332045	46DQ	MXE9C1A0

SDG: J01624
SAF: RC-207
BATCH: 2333050
MATRIX: SOIL
ANALYSIS DATE: 11/28/12

Client_id	Matrix	Result_	Cas_nbr	Parameter	Result	Qualifier	Units	Reporting_Limits_S	Reporting_Limits	Uncertainty_1s	Analyzed_Analyz	Decision_level_lc	LCSRecc	Addu	Analysis_date_time	Batch_nbr	Test_Meth	Lab_sample_id
J1R5R9	SOIL	CS	7440-22-4	Ag	-2.02E-01	U	UG/G	9.83E+00	9.83E+00	3.30E-01	0.2543 G	2.74E-01			11/28/2012 19:41	2333050	46DQ	MXFP11A0
J1R5R9	SOIL	CS	7440-38-2	As	4.88E+00	U	UG/G	9.83E+00	9.83E+00	7.60E-01	0.2543 G	6.27E-01			11/28/2012 19:41	2333050	46DQ	MXFP11A0
J1R5R9	SOIL	CS	7440-39-3	Ba	8.74E+01		UG/G	1.97E+00	1.97E+00	4.60E-01	0.2543 G	3.82E-01			11/28/2012 19:41	2333050	46DQ	MXFP11A0
J1R5R9	SOIL	CS	7440-41-7	Beryllium	4.09E-01		UG/G	9.83E-02	9.83E-02	5.50E-03	0.2543 G	4.55E-03			11/28/2012 19:41	2333050	46DQ	MXFP11A0
J1R5R9	SOIL	CS	7440-43-9	Cadmium	1.22E-01	U	UG/G	1.97E+00	1.97E+00	2.70E-02	0.2543 G	2.26E-02			11/28/2012 19:41	2333050	46DQ	MXFP11A0
J1R5R9	SOIL	CS	7440-47-3	Chromium	2.41E+01		UG/G	9.83E+00	9.83E+00	5.00E-01	0.2543 G	4.10E-01			11/28/2012 19:41	2333050	46DQ	MXFP11A0
J1R5R9	SOIL	CS	7439-92-1	Lead	7.72E+00	U	UG/G	9.83E+00	9.83E+00	3.80E-01	0.2543 G	3.13E-01			11/28/2012 19:41	2333050	46DQ	MXFP11A0
J1R5R9	SOIL	CS	7782-49-2	Se	1.06E-01	U	UG/G	9.83E+00	9.83E+00	4.70E-01	0.2543 G	3.87E-01			11/28/2012 19:41	2333050	46DQ	MXFP11A0
J1R5T0	SOIL	CS	7440-22-4	Ag	-2.78E-01	U	UG/G	9.94E+00	9.94E+00	2.00E-01	0.2514 G	1.67E-01			11/28/2012 20:00	2333050	46DQ	MXFP21AA
J1R5T0	SOIL	CS	7440-38-2	As	9.95E-01	U	UG/G	9.94E+00	9.94E+00	5.20E-01	0.2514 G	4.28E-01			11/28/2012 20:00	2333050	46DQ	MXFP21AA
J1R5T0	SOIL	CS	7440-39-3	Ba	5.66E+01		UG/G	1.99E+00	1.99E+00	2.50E+00	0.2514 G	2.07E+00			11/28/2012 20:00	2333050	46DQ	MXFP21AA
J1R5T0	SOIL	CS	7440-41-7	Beryllium	2.83E-01		UG/G	9.94E-02	9.94E-02	2.50E-02	0.2514 G	2.03E-02			11/28/2012 20:00	2333050	46DQ	MXFP21AA
J1R5T0	SOIL	CS	7440-43-9	Cadmium	7.90E-02	U	UG/G	1.99E+00	1.99E+00	1.00E-01	0.2514 G	8.49E-02			11/28/2012 20:00	2333050	46DQ	MXFP21AA
J1R5T0	SOIL	CS	7440-47-3	Chromium	3.10E+00	U	UG/G	9.94E+00	9.94E+00	1.20E-01	0.2514 G	9.90E-02			11/28/2012 20:00	2333050	46DQ	MXFP21AA
J1R5T0	SOIL	CS	7439-92-1	Lead	2.95E+00	U	UG/G	9.94E+00	9.94E+00	5.10E-01	0.2514 G	4.19E-01			11/28/2012 20:00	2333050	46DQ	MXFP21AA
J1R5T0	SOIL	CS	7782-49-2	Se	-2.14E-01	U	UG/G	9.94E+00	9.94E+00	5.00E-01	0.2514 G	4.09E-01			11/28/2012 20:00	2333050	46DQ	MXFP21AA
J1R5T1	SOIL	CS	7440-22-4	Ag	-2.99E-01	U	UG/G	1.01E+01	1.01E+01	2.60E-01	0.2487 G	2.10E-01			11/28/2012 20:03	2333050	46DQ	MXFP31AA
J1R5T1	SOIL	CS	7440-38-2	As	4.02E+00	U	UG/G	1.01E+01	1.01E+01	6.70E-01	0.2487 G	5.51E-01			11/28/2012 20:03	2333050	46DQ	MXFP31AA
J1R5T1	SOIL	CS	7440-39-3	Ba	7.74E+01		UG/G	2.01E+00	2.01E+00	1.40E+00	0.2487 G	1.16E+00			11/28/2012 20:03	2333050	46DQ	MXFP31AA
J1R5T1	SOIL	CS	7440-41-7	Beryllium	3.95E-01		UG/G	1.01E-01	1.01E-01	2.10E-02	0.2487 G	1.76E-02			11/28/2012 20:03	2333050	46DQ	MXFP31AA
J1R5T1	SOIL	CS	7440-43-9	Cadmium	1.27E-01	U	UG/G	2.01E+00	2.01E+00	7.70E-02	0.2487 G	6.35E-02			11/28/2012 20:03	2333050	46DQ	MXFP31AA
J1R5T1	SOIL	CS	7440-47-3	Chromium	9.01E+00	U	UG/G	1.01E+01	1.01E+01	1.90E-01	0.2487 G	1.60E-01			11/28/2012 20:03	2333050	46DQ	MXFP31AA
J1R5T1	SOIL	CS	7439-92-1	Lead	6.97E+00	U	UG/G	1.01E+01	1.01E+01	3.60E-01	0.2487 G	2.95E-01			11/28/2012 20:03	2333050	46DQ	MXFP31AA
J1R5T1	SOIL	CS	7782-49-2	Se	-1.17E-01	U	UG/G	1.01E+01	1.01E+01	1.20E+00	0.2487 G	1.03E+00			11/28/2012 20:03	2333050	46DQ	MXFP31AA
J1R5T2	SOIL	CS	7440-22-4	Ag	-2.11E-01	U	UG/G	1.00E+01	1.00E+01	1.50E-01	0.2498 G	1.20E-01			11/28/2012 20:08	2333050	46DQ	MXFP41AA
J1R5T2	SOIL	CS	7440-38-2	As	1.57E+00	U	UG/G	1.00E+01	1.00E+01	1.40E+00	0.2498 G	1.17E+00			11/28/2012 20:08	2333050	46DQ	MXFP41AA
J1R5T2	SOIL	CS	7440-39-3	Ba	4.43E+01		UG/G	2.00E+00	2.00E+00	1.90E+00	0.2498 G	1.55E+00			11/28/2012 20:08	2333050	46DQ	MXFP41AA
J1R5T2	SOIL	CS	7440-41-7	Beryllium	2.42E-01		UG/G	1.00E-01	1.00E-01	7.10E-03	0.2498 G	5.87E-03			11/28/2012 20:08	2333050	46DQ	MXFP41AA
J1R5T2	SOIL	CS	7440-43-9	Cadmium	6.52E-02	U	UG/G	2.00E+00	2.00E+00	6.10E-02	0.2498 G	4.99E-02			11/28/2012 20:08	2333050	46DQ	MXFP41AA
J1R5T2	SOIL	CS	7440-47-3	Chromium	3.27E+00	U	UG/G	1.00E+01	1.00E+01	1.10E-01	0.2498 G	8.68E-02			11/28/2012 20:08	2333050	46DQ	MXFP41AA
J1R5T2	SOIL	CS	7439-92-1	Lead	2.46E+00	U	UG/G	1.00E+01	1.00E+01	2.50E-01	0.2498 G	2.04E-01			11/28/2012 20:08	2333050	46DQ	MXFP41AA
J1R5T2	SOIL	CS	7782-49-2	Se	1.93E-02	U	UG/G	1.00E+01	1.00E+01	9.80E-01	0.2498 G	8.05E-01			11/28/2012 20:08	2333050	46DQ	MXFP41AA
J1R5T3	SOIL	CS	7440-22-4	Ag	-1.01E-01	U	UG/G	1.01E+01	1.01E+01	6.30E-02	0.248 G	5.19E-02			11/28/2012 20:25	2333050	46DQ	MXFP71AA
J1R5T3	SOIL	CS	7440-38-2	As	1.59E+01		UG/G	1.01E+01	1.01E+01	3.20E-01	0.248 G	2.66E-01			11/28/2012 20:25	2333050	46DQ	MXFP71AA
J1R5T3	SOIL	CS	7440-39-3	Ba	1.51E+02		UG/G	2.02E+00	2.02E+00	4.20E+00	0.248 G	3.42E+00			11/28/2012 20:25	2333050	46DQ	MXFP71AA
J1R5T3	SOIL	CS	7440-41-7	Beryllium	5.58E-01		UG/G	1.01E-01	1.01E-01	2.10E-02	0.248 G	1.72E-02			11/28/2012 20:25	2333050	46DQ	MXFP71AA
J1R5T3	SOIL	CS	7440-43-9	Cadmium	3.70E-01	U	UG/G	2.02E+00	2.02E+00	4.70E-02	0.248 G	3.85E-02			11/28/2012 20:25	2333050	46DQ	MXFP71AA
J1R5T3	SOIL	CS	7440-47-3	Chromium	1.13E+02		UG/G	1.01E+01	1.01E+01	1.80E+00	0.248 G	1.45E+00			11/28/2012 20:25	2333050	46DQ	MXFP71AA
J1R5T3	SOIL	CS	7439-92-1	Lead	9.26E+00	U	UG/G	1.01E+01	1.01E+01	5.40E-01	0.248 G	4.45E-01			11/28/2012 20:25	2333050	46DQ	MXFP71AA
J1R5T3	SOIL	CS	7782-49-2	Se	1.80E+00	U	UG/G	1.01E+01	1.01E+01	1.20E+00	0.248 G	1.01E+00			11/28/2012 20:25	2333050	46DQ	MXFP71AA
INTRA-LAB BLANK	SOIL	BLK	7440-22-4	Ag	-1.86E-03	U	MG/L	5.00E-02	5.00E-02	6.90E-04	0.247 L	5.68E-04			11/28/2012 19:29	2333050	46DQ	MXFQ41AA
INTRA-LAB BLANK	SOIL	BLK	7440-38-2	As	-1.14E-03	U	MG/L	5.00E-02	5.00E-02	3.20E-03	0.247 L	2.66E-03			11/28/2012 19:29	2333050	46DQ	MXFQ41AA
INTRA-LAB BLANK	SOIL	BLK	7440-39-3	Ba	1.03E-04	U	MG/L	1.00E-02	1.00E-02	3.40E-05	0.247 L	2.79E-05			11/28/2012 19:29	2333050	46DQ	MXFQ41AA
INTRA-LAB BLANK	SOIL	BLK	7440-41-7	Beryllium	6.64E-05	U	MG/L	5.00E-04	5.00E-04	1.30E-04	0.247 L	1.04E-04			11/28/2012 19:29	2333050	46DQ	MXFQ41AA
INTRA-LAB BLANK	SOIL	BLK	7440-43-9	Cadmium	1.58E-04	U	MG/L	1.00E-02	1.00E-02	1.80E-04	0.247 L	1.48E-04			11/28/2012 19:29	2333050	46DQ	MXFQ41AA
INTRA-LAB BLANK	SOIL	BLK	7440-47-3	Chromium	2.48E-04	U	MG/L	5.00E-02	5.00E-02	5.40E-04	0.247 L	4.43E-04			11/28/2012 19:29	2333050	46DQ	MXFQ41AA
INTRA-LAB BLANK	SOIL	BLK	7439-92-1	Lead	1.27E-03	U	MG/L	5.00E-02	5.00E-02	6.90E-04	0.247 L	5.68E-04			11/28/2012 19:29	2333050	46DQ	MXFQ41AA
INTRA-LAB BLANK	SOIL	BLK	7782-49-2	Se	-7.80E-04	U	MG/L	5.00E-02	5.00E-02	2.80E-03	0.247 L	2.30E-03			11/28/2012 19:29	2333050	46DQ	MXFQ41AA
INTRA-LAB CHECK	SOIL	LCS	7440-22-4	Ag	9.24E-01		MG/L	5.00E-02	5.00E-02	8.10E-03	0.2558 L	8.64E-03	0.92	1	11/28/2012 19:32	2333050	46DQ	MXFQ41AA
INTRA-LAB CHECK	SOIL	LCS	7440-38-2	As	8.89E-01		MG/L	5.00E-02	5.00E-02	8.50E-03	0.2558 L	7.01E-03	0.89	1	11/28/2012 19:32	2333050	46DQ	MXFQ41AA
INTRA-LAB CHECK	SOIL	LCS	7440-39-3	Ba	1.02E+00		MG/L	1.00E-02	1.00E-02	1.80E-02	0.2558 L	1.50E-02	1.02	1	11/28/2012 19:32	2333050	46DQ	MXFQ41AA
INTRA-LAB CHECK	SOIL	LCS	7440-41-7	Beryllium	9.51E-01		MG/L	5.00E-04	5.00E-04	9.90E-03	0.2558 L	8.11E-03	0.95	1	11/28/2012 19:32	2333050	46DQ	MXFQ41AA
INTRA-LAB CHECK	SOIL	LCS	7440-43-9	Cadmium	8.80E-01		MG/L	1.00E-02	1.00E-02	4.10E-03	0.2558 L	3.38E-03	0.88	1	11/28/2012 19:32	2333050	46DQ	MXFQ41AA
INTRA-LAB CHECK	SOIL	LCS	7440-47-3	Chromium	9.57E-01		MG/L	5.00E-02	5.00E-02	9.80E-03	0.2558 L	8.09E-03	0.96	1	11/28/2012 19:32	2333050	46DQ	MXFQ41AA
INTRA-LAB CHECK	SOIL	LCS	7439-92-1	Lead	8.67E-01		MG/L	5.00E-02	5.00E-02	9.80E-03	0.2558 L	8.06E-03	0.87	1	11/28/2012 19:32	2333050	46DQ	MXFQ41AA
INTRA-LAB CHECK	SOIL	LCS	7782-49-2	Se	8.16E-01		MG/L	5.00E-02	5.00E-02	7.70E-03	0.2558 L	6.35E-03	0.82	1	11/28/2012 19:32	2333050	46DQ	MXFQ41AA
J1R5R9 DUP	SOIL	DUP	7440-22-4	Ag	-3.23E-01	U	UG/G	9.94E+00	9.94E+00	1.10E-01	0.2515 G	8.73E-02			11/28/2012 19:56	2333050	46DQ	MXFP11A0
J1R5R9 DUP	SOIL	DUP	7440-38-2	As	4.67E+00	U	UG/G	9.94E+00	9.94E+00	7.70E-01	0.2515 G	6.34E-01			11/28/2012 19:56	2333050	46DQ	MXFP11A0
J1R5R9 DUP	SOIL	DUP	7440-39-3	Ba	8.42E+01		UG/G	1.99E+00	1.99E+00	5.20E-01	0.2515 G	4.28E-01			11/28/2012 19:56	2333050	46DQ	MXFP11A0
J1R5R9 DUP	SOIL	DUP	7440-41-7	Beryllium	4.41E-01		UG/G	9.94E-02	9.94E-02	1.10E-02	0.2515 G	9.40E-03			11/28/2012 19:56	2333050	46DQ	MXFP11A0
J1R5R9 DUP	SOIL	DUP	7440-43-9	Cadmium	9.95E-02	U	UG/G	1.99E+00	1.99E+00	1.90E-02	0.2515 G	1.59E-02			11/28/2012 19:56	2333050	46DQ	MXFP11A0
J1R5R9 DUP	SOIL	DUP	7440-47-3	Chromium	1.90E+01		UG/G	9.94E+00	9.94E+00	2.80E-01	0.2515 G	2.32E-01			11/28/2012 19:56	2333050	46DQ	MXFP11A0
J1R5R9 DUP	SOIL	DUP	7439-92-1	Lead	7.99E+00	U	UG/G	9.94E+00	9.94E+00	2.60E-01	0.2515 G	2.12E-01			11/28/2012 19:56	2333050	46DQ	MXFP11A0
J1R5R9 DUP	SOIL	DUP	7782-49-2	Se	-2.34E-01	U	UG/G	9.94E+00	9.94E+00	1.70E+00	0.2515 G	1.44E+00			11/28/2012 19:56	2333050	46DQ	MXFP11A0
J1R5R9	SOIL	MS	7440-22-4	Ag	1.77E+02		% REC	9.94E+00	9.94E+00	2.70E+00	0.2515 L	2.25E+00	0.89	199	11/28/2012 19:46	2333050	46DQ	MXFP11A0
J1R5R9	SOIL	MS	7440-38-2	As	1.73E+02		% REC	9.94E+00	9.94E+00	1.50E+00	0.2515 L	1.20E+00	0.87	199	11/28/2012 19:46	2333050	46DQ	MXFP11A0
J1R5R9	SOIL	MS	7440-39-3	Ba	1.75E+02		% REC	1.99E+00	1.99E+00	6.40E+00	0.2515 L	5.28E+00	0.88	199	11/28/2012 19:46	2333050	46DQ	MXFP11A0
J1R5R9	SOIL	MS	7440-41-7	Beryllium	1.89E+02		% REC	9.94E-02	9.94E-02	3.10E+00	0.2515 L	2.58E+00	0.95	199	11/28/2012 19:46	2333050	46DQ	MXFP11A0

Client_Id	Matrix	Result_	Cas_nbr	Parameter	Result	Qualifier	Units	Reporting_Limits_S	Reporting_Limits	Uncertainty_1s	Analyzed_Analyz	Decision_level_lc	LCS	Recc	Add	Analysis_date_time	Batch_nbr	Test_Meth	Lab_sample_Id
J1R5R9	SOIL	MS	7440-43-9	Cadmium	1.71E+02		% REC	1.99E+00	1.99E+00	2.00E+00	0.2515 L	1.61E+00	0.86	199		11/28/2012 19:46	2333050	46DQ	MXFP11A0
J1R5R9	SOIL	MS	7440-47-3	Chromium	1.75E+02		% REC	9.94E+00	9.94E+00	2.70E+00	0.2515 L	2.24E+00	0.88	199		11/28/2012 19:46	2333050	46DQ	MXFP11A0
J1R5R9	SOIL	MS	7439-92-1	Lead	1.60E+02		% REC	9.94E+00	9.94E+00	8.10E-01	0.2515 L	6.68E-01	0.8	199		11/28/2012 19:46	2333050	46DQ	MXFP11A0
J1R5R9	SOIL	MS	7782-49-2	Se	1.59E+02		% REC	9.94E+00	9.94E+00	1.70E+00	0.2515 L	1.41E+00	0.8	199		11/28/2012 19:46	2333050	46DQ	MXFP11A0
J1R5R9	SOIL	MSD	7440-22-4	Ag	1.73E+02		% REC	9.92E+00	9.92E+00	5.60E+00	0.252 L	4.60E+00	0.87	198		11/28/2012 19:51	2333050	46DQ	MXFP11A0
J1R5R9	SOIL	MSD	7440-38-2	As	1.71E+02		% REC	9.92E+00	9.92E+00	3.00E+00	0.252 L	2.48E+00	0.86	198		11/28/2012 19:51	2333050	46DQ	MXFP11A0
J1R5R9	SOIL	MSD	7440-39-3	Ba	1.84E+02		% REC	1.98E+00	1.98E+00	8.40E-01	0.252 L	6.91E-01	0.93	198		11/28/2012 19:51	2333050	46DQ	MXFP11A0
J1R5R9	SOIL	MSD	7440-41-7	Beryllium	1.83E+02		% REC	9.92E-02	9.92E-02	6.80E+00	0.252 L	5.59E+00	0.92	198		11/28/2012 19:51	2333050	46DQ	MXFP11A0
J1R5R9	SOIL	MSD	7440-43-9	Cadmium	1.66E+02		% REC	1.98E+00	1.98E+00	3.00E+00	0.252 L	2.45E+00	0.84	198		11/28/2012 19:51	2333050	46DQ	MXFP11A0
J1R5R9	SOIL	MSD	7440-47-3	Chromium	1.74E+02		% REC	9.92E+00	9.92E+00	7.60E+00	0.252 L	6.28E+00	0.88	198		11/28/2012 19:51	2333050	46DQ	MXFP11A0
J1R5R9	SOIL	MSD	7439-92-1	Lead	1.56E+02		% REC	9.92E+00	9.92E+00	3.30E+00	0.252 L	2.72E+00	0.79	198		11/28/2012 19:51	2333050	46DQ	MXFP11A0
J1R5R9	SOIL	MSD	7782-49-2	Se	1.58E+02		% REC	9.92E+00	9.92E+00	2.60E+00	0.252 L	2.15E+00	0.79	198		11/28/2012 19:51	2333050	46DQ	MXFP11A0

Clouseau
Nonconformance Memo

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

NCM #: **10-22334**
NCM Initiated By: Britnie Clark
Date Opened: 11/29/2012
Date Closed:

Classification: **Deficiency**
Status: **PMREVIEW**
Production Area: Classical Chemistry
Tests: 6010A
Lot #'s (Sample #'s): J2K280000 (50), J2K280438 (1,2,3,4,5),
QC Batches: 2333050,

Nonconformance: Other (describe in detail)
Subcategory: Other (explanation required)

Problem Description / Root Cause

Name	Date	Description
Britnie Clark	11/29/2012	The matrix spike duplicate recovered low and outside of acceptance criteria for Pb and Se.

Corrective Action

Name	Date	Corrective Action
Britnie Clark	11/29/2012	The data was reported as is; submitted for client review.

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

Britt Clark
11/29/12

Date Printed: 11/29/2012

Page 1 of 1

SDG: J01624
SAF: RC-207
BATCH: 2334038
MATRIX: SOIL
ANALYSIS DATE: 11/29/12

Client_id	Matrix	Result_	Cas_nbr	Parameter	Result	Qualifier	Units	Reporting_Limits_(	Reporting_Limits	Uncertainty_1s	Analyzed_(	Analyz	Decision_level_lc	LCSRecc	Adde	Analysis_date_time	Batch_nbr	Test_Me	Lab_sample_id
J1R5V6	SOIL	CS	7440-22-4	Ag	3.74E-01	U	UG/G	9.87E+00	9.87E+00	1.20E-01	0.2533	G	1.01E-01			11/29/2012 19:25	2334038	46DQ	MXFXJ1A0
J1R5V6	SOIL	CS	7440-38-2	As	3.21E-01	U	UG/G	9.87E+00	9.87E+00	5.30E-01	0.2533	G	4.37E-01			11/29/2012 19:25	2334038	46DQ	MXFXJ1A0
J1R5V6	SOIL	CS	7440-39-3	Ba	3.03E+01		UG/G	1.97E+00	1.97E+00	4.60E-01	0.2533	G	3.81E-01			11/29/2012 19:25	2334038	46DQ	MXFXJ1A0
J1R5V6	SOIL	CS	7440-41-7	Beryllium	1.81E-01		UG/G	9.87E-02	9.87E-02	4.40E-03	0.2533	G	3.60E-03			11/29/2012 19:25	2334038	46DQ	MXFXJ1A0
J1R5V6	SOIL	CS	7440-43-9	Cadmium	7.34E-02	U	UG/G	1.97E+00	1.97E+00	1.70E-02	0.2533	G	1.37E-02			11/29/2012 19:25	2334038	46DQ	MXFXJ1A0
J1R5V6	SOIL	CS	7440-47-3	Chromium	2.30E+00	U	UG/G	9.87E+00	9.87E+00	1.70E-01	0.2533	G	1.42E-01			11/29/2012 19:25	2334038	46DQ	MXFXJ1A0
J1R5V6	SOIL	CS	7439-92-1	Lead	1.76E+00	U	UG/G	9.87E+00	9.87E+00	4.60E-02	0.2533	G	3.79E-02			11/29/2012 19:25	2334038	46DQ	MXFXJ1A0
J1R5V6	SOIL	CS	7782-49-2	Se	1.32E-01	U	UG/G	9.87E+00	9.87E+00	1.50E-01	0.2533	G	1.25E-01			11/29/2012 19:25	2334038	46DQ	MXFXJ1A0
J1R5V7	SOIL	CS	7440-22-4	Ag	3.57E-01	U	UG/G	9.88E+00	9.88E+00	7.30E-02	0.253	G	6.02E-02			11/29/2012 19:46	2334038	46DQ	MXFXL1AA
J1R5V7	SOIL	CS	7440-38-2	As	2.46E-01	U	UG/G	9.88E+00	9.88E+00	7.10E-01	0.253	G	5.88E-01			11/29/2012 19:46	2334038	46DQ	MXFXL1AA
J1R5V7	SOIL	CS	7440-39-3	Ba	3.10E+01		UG/G	1.98E+00	1.98E+00	1.00E-01	0.253	G	8.59E-02			11/29/2012 19:46	2334038	46DQ	MXFXL1AA
J1R5V7	SOIL	CS	7440-41-7	Beryllium	1.55E-01		UG/G	9.88E-02	9.88E-02	7.50E-03	0.253	G	6.15E-03			11/29/2012 19:46	2334038	46DQ	MXFXL1AA
J1R5V7	SOIL	CS	7440-43-9	Cadmium	8.04E-02	U	UG/G	1.98E+00	1.98E+00	4.80E-02	0.253	G	3.99E-02			11/29/2012 19:46	2334038	46DQ	MXFXL1AA
J1R5V7	SOIL	CS	7440-47-3	Chromium	1.76E+00	U	UG/G	9.88E+00	9.88E+00	8.60E-02	0.253	G	7.09E-02			11/29/2012 19:46	2334038	46DQ	MXFXL1AA
J1R5V7	SOIL	CS	7439-92-1	Lead	1.64E+00	U	UG/G	9.88E+00	9.88E+00	1.50E-01	0.253	G	1.23E-01			11/29/2012 19:46	2334038	46DQ	MXFXL1AA
J1R5V7	SOIL	CS	7782-49-2	Se	1.23E-01	U	UG/G	9.88E+00	9.88E+00	4.80E-01	0.253	G	3.93E-01			11/29/2012 19:46	2334038	46DQ	MXFXL1AA
J1R601	SOIL	CS	7440-22-4	Ag	3.88E-01	U	UG/G	9.99E+00	9.99E+00	1.10E-01	0.2503	G	9.38E-02			11/29/2012 19:51	2334038	46DQ	MXFXM1AA
J1R601	SOIL	CS	7440-38-2	As	-1.33E-01	U	UG/G	9.99E+00	9.99E+00	3.30E-01	0.2503	G	2.70E-01			11/29/2012 19:51	2334038	46DQ	MXFXM1AA
J1R601	SOIL	CS	7440-39-3	Ba	3.02E+01		UG/G	2.00E+00	2.00E+00	3.90E-01	0.2503	G	3.19E-01			11/29/2012 19:51	2334038	46DQ	MXFXM1AA
J1R601	SOIL	CS	7440-41-7	Beryllium	2.18E-01		UG/G	9.99E-02	9.99E-02	2.20E-02	0.2503	G	1.85E-02			11/29/2012 19:51	2334038	46DQ	MXFXM1AA
J1R601	SOIL	CS	7440-43-9	Cadmium	1.05E-01	U	UG/G	2.00E+00	2.00E+00	3.40E-02	0.2503	G	2.82E-02			11/29/2012 19:51	2334038	46DQ	MXFXM1AA
J1R601	SOIL	CS	7440-47-3	Chromium	2.17E+00	U	UG/G	9.99E+00	9.99E+00	7.40E-03	0.2503	G	6.08E-03			11/29/2012 19:51	2334038	46DQ	MXFXM1AA
J1R601	SOIL	CS	7439-92-1	Lead	1.96E+00	U	UG/G	9.99E+00	9.99E+00	5.10E-01	0.2503	G	4.17E-01			11/29/2012 19:51	2334038	46DQ	MXFXM1AA
J1R601	SOIL	CS	7782-49-2	Se	8.86E-02	U	UG/G	9.99E+00	9.99E+00	5.50E-01	0.2503	G	4.51E-01			11/29/2012 19:51	2334038	46DQ	MXFXM1AA
J1R602	SOIL	CS	7440-22-4	Ag	3.42E-01	U	UG/G	1.00E+01	1.00E+01	2.10E-01	0.2492	G	1.72E-01			11/29/2012 20:10	2334038	46DQ	MXFXN1AA
J1R602	SOIL	CS	7440-38-2	As	2.63E-01	U	UG/G	1.00E+01	1.00E+01	8.70E-01	0.2492	G	7.13E-01			11/29/2012 20:10	2334038	46DQ	MXFXN1AA
J1R602	SOIL	CS	7440-39-3	Ba	4.30E+01		UG/G	2.01E+00	2.01E+00	2.00E-01	0.2492	G	1.62E-01			11/29/2012 20:10	2334038	46DQ	MXFXN1AA
J1R602	SOIL	CS	7440-41-7	Beryllium	2.20E-01		UG/G	1.00E-01	1.00E-01	5.90E-02	0.2492	G	4.84E-02			11/29/2012 20:10	2334038	46DQ	MXFXN1AA
J1R602	SOIL	CS	7440-43-9	Cadmium	1.10E-01	U	UG/G	2.01E+00	2.01E+00	3.10E-02	0.2492	G	2.58E-02			11/29/2012 20:10	2334038	46DQ	MXFXN1AA
J1R602	SOIL	CS	7440-47-3	Chromium	2.55E+00	U	UG/G	1.00E+01	1.00E+01	1.50E-01	0.2492	G	1.23E-01			11/29/2012 20:10	2334038	46DQ	MXFXN1AA
J1R602	SOIL	CS	7439-92-1	Lead	2.02E+00	U	UG/G	1.00E+01	1.00E+01	9.20E-02	0.2492	G	7.58E-02			11/29/2012 20:10	2334038	46DQ	MXFXN1AA
J1R602	SOIL	CS	7782-49-2	Se	5.27E-01	U	UG/G	1.00E+01	1.00E+01	6.20E-01	0.2492	G	5.09E-01			11/29/2012 20:10	2334038	46DQ	MXFXN1AA
J1R603	SOIL	CS	7440-22-4	Ag	2.50E-01	U	UG/G	9.98E+00	9.98E+00	2.40E-01	0.2505	G	1.96E-01			11/29/2012 20:16	2334038	46DQ	MXFXP1AA
J1R603	SOIL	CS	7440-38-2	As	6.72E-01	U	UG/G	9.98E+00	9.98E+00	5.20E-01	0.2505	G	4.27E-01			11/29/2012 20:16	2334038	46DQ	MXFXP1AA
J1R603	SOIL	CS	7440-39-3	Ba	4.77E+01		UG/G	2.00E+00	2.00E+00	3.60E-02	0.2505	G	2.95E-02			11/29/2012 20:16	2334038	46DQ	MXFXP1AA
J1R603	SOIL	CS	7440-41-7	Beryllium	1.88E-01		UG/G	9.98E-02	9.98E-02	1.10E-02	0.2505	G	8.90E-03			11/29/2012 20:16	2334038	46DQ	MXFXP1AA
J1R603	SOIL	CS	7440-43-9	Cadmium	8.25E-02	U	UG/G	2.00E+00	2.00E+00	3.90E-02	0.2505	G	3.24E-02			11/29/2012 20:16	2334038	46DQ	MXFXP1AA
J1R603	SOIL	CS	7440-47-3	Chromium	1.59E+00	U	UG/G	9.98E+00	9.98E+00	1.30E-01	0.2505	G	1.05E-01			11/29/2012 20:16	2334038	46DQ	MXFXP1AA
J1R603	SOIL	CS	7439-92-1	Lead	1.78E+00	U	UG/G	9.98E+00	9.98E+00	1.20E-01	0.2505	G	1.01E-01			11/29/2012 20:16	2334038	46DQ	MXFXP1AA
J1R603	SOIL	CS	7782-49-2	Se	3.72E-01	U	UG/G	9.98E+00	9.98E+00	2.80E-01	0.2505	G	2.31E-01			11/29/2012 20:16	2334038	46DQ	MXFXP1AA
J1R604	SOIL	CS	7440-22-4	Ag	4.43E-01	U	UG/G	1.00E+01	1.00E+01	9.00E-02	0.2491	G	7.44E-02			11/29/2012 20:21	2334038	46DQ	MXFXQ1AA
J1R604	SOIL	CS	7440-38-2	As	-3.10E-01	U	UG/G	1.00E+01	1.00E+01	5.50E-01	0.2491	G	4.52E-01			11/29/2012 20:21	2334038	46DQ	MXFXQ1AA
J1R604	SOIL	CS	7440-39-3	Ba	4.16E+01		UG/G	2.01E+00	2.01E+00	1.30E-01	0.2491	G	1.07E-01			11/29/2012 20:21	2334038	46DQ	MXFXQ1AA
J1R604	SOIL	CS	7440-41-7	Beryllium	2.14E-01		UG/G	1.00E-01	1.00E-01	6.40E-03	0.2491	G	5.28E-03			11/29/2012 20:21	2334038	46DQ	MXFXQ1AA
J1R604	SOIL	CS	7440-43-9	Cadmium	1.02E-01	U	UG/G	2.01E+00	2.01E+00	5.60E-02	0.2491	G	4.59E-02			11/29/2012 20:21	2334038	46DQ	MXFXQ1AA
J1R604	SOIL	CS	7440-47-3	Chromium	2.33E+00	U	UG/G	1.00E+01	1.00E+01	1.00E-01	0.2491	G	8.49E-02			11/29/2012 20:21	2334038	46DQ	MXFXQ1AA
J1R604	SOIL	CS	7439-92-1	Lead	2.08E+00	U	UG/G	1.00E+01	1.00E+01	5.00E-01	0.2491	G	4.14E-01			11/29/2012 20:21	2334038	46DQ	MXFXQ1AA
J1R604	SOIL	CS	7782-49-2	Se	3.64E-01	U	UG/G	1.00E+01	1.00E+01	5.00E-01	0.2491	G	4.12E-01			11/29/2012 20:21	2334038	46DQ	MXFXQ1AA
J1R605	SOIL	CS	7440-22-4	Ag	3.50E-01	U	UG/G	1.00E+01	1.00E+01	7.50E-02	0.2489	G	6.18E-02			11/29/2012 20:26	2334038	46DQ	MXFXR1AA
J1R605	SOIL	CS	7440-38-2	As	4.11E-01	U	UG/G	1.00E+01	1.00E+01	4.20E-01	0.2489	G	3.49E-01			11/29/2012 20:26	2334038	46DQ	MXFXR1AA
J1R605	SOIL	CS	7440-39-3	Ba	3.97E+01		UG/G	2.01E+00	2.01E+00	4.90E-01	0.2489	G	4.00E-01			11/29/2012 20:26	2334038	46DQ	MXFXR1AA
J1R605	SOIL	CS	7440-41-7	Beryllium	1.79E-01		UG/G	1.00E-01	1.00E-01	6.70E-03	0.2489	G	5.55E-03			11/29/2012 20:26	2334038	46DQ	MXFXR1AA
J1R605	SOIL	CS	7440-43-9	Cadmium	1.02E-01	U	UG/G	2.01E+00	2.01E+00	7.30E-02	0.2489	G	6.00E-02			11/29/2012 20:26	2334038	46DQ	MXFXR1AA
J1R605	SOIL	CS	7440-47-3	Chromium	1.69E+00	U	UG/G	1.00E+01	1.00E+01	8.70E-02	0.2489	G	7.14E-02			11/29/2012 20:26	2334038	46DQ	MXFXR1AA
J1R605	SOIL	CS	7439-92-1	Lead	1.94E+00	U	UG/G	1.00E+01	1.00E+01	2.80E-01	0.2489	G	2.34E-01			11/29/2012 20:26	2334038	46DQ	MXFXR1AA
INTRA-LAB BLANK	SOIL	BLK	7440-22-4	Ag	2.09E-03	U	MG/L	5.00E-02	5.00E-02	9.40E-04	0.2535	L	7.70E-04			11/29/2012 19:11	2334038	46DQ	MXF0E1AA
INTRA-LAB BLANK	SOIL	BLK	7440-38-2	As	-8.10E-04	U	MG/L	5.00E-02	5.00E-02	1.80E-03	0.2535	L	1.51E-03			11/29/2012 19:11	2334038	46DQ	MXF0E1AA
INTRA-LAB BLANK	SOIL	BLK	7440-39-3	Ba	1.51E-04	U	MG/L	1.00E-02	1.00E-02	4.50E-05	0.2535	L	3.69E-05			11/29/2012 19:11	2334038	46DQ	MXF0E1AA
INTRA-LAB BLANK	SOIL	BLK	7440-41-7	Beryllium	5.24E-05	U	MG/L	5.00E-04	5.00E-04	6.50E-05	0.2535	L	5.31E-05			11/29/2012 19:11	2334038	46DQ	MXF0E1AA
INTRA-LAB BLANK	SOIL	BLK	7440-43-9	Cadmium	3.32E-04	U	MG/L	1.00E-02	1.00E-02	2.60E-05	0.2535	L	2.15E-05			11/29/2012 19:11	2334038	46DQ	MXF0E1AA
INTRA-LAB BLANK	SOIL	BLK	7440-47-3	Chromium	8.64E-04	U	MG/L	5.00E-02	5.00E-02	7.80E-04	0.2535	L	6.41E-04			11/29/2012 19:11	2334038	46DQ	MXF0E1AA
INTRA-LAB BLANK	SOIL	BLK	7439-92-1	Lead	-6.82E-04	U	MG/L	5.00E-02	5.00E-02	2.10E-04	0.2535	L	1.69E-04			11/29/2012 19:11	2334038	46DQ	MXF0E1AA
INTRA-LAB BLANK	SOIL	BLK	7782-49-2	Se	8.42E-04	U	MG/L	5.00E-02	5.00E-02	3.30E-03	0.2535	L	2.75E-03			11/29/2012 19:11	2334038	46DQ	MXF0E1AA
INTRA-LAB CHECK	SOIL	LCS	7440-22-4	Ag	9.37E-01		MG/L	5.00E-02	5.00E-02	1.10E-02	0.248	L	8.80E-03	0.94	1	11/29/2012 19:14	2334038	46DQ	MXF0E1AA
INTRA-LAB CHECK	SOIL	LCS	7440-38-2	As	9.37E-01		MG/L	5.00E-02	5.00E-02	6.00E-03	0.248	L	4.96E-03	0.94	1	11/29/2012 19:14	2334038	46DQ	MXF0E1AA
INTRA-LAB CHECK	SOIL	LCS	7440-39-3	Ba	9.77E-01		MG/L	1.00E-02	1.00E-02	6.20E-03	0.248	L	5.12E-03	0.98	1	11/29/2012 19:14	2334038	46DQ	MXF0E1AA
INTRA-LAB CHECK	SOIL	LCS	7440-41-7	Beryllium	8.99E-01		MG/L	5.00E-04	5.00E-04	8.60E-03	0.248	L	7.06E-03	0.9	1	11/29/2012 19:14	2334038	46DQ	MXF0E1AA
INTRA-LAB CHECK	SOIL	LCS	7440-43-9	Cadmium	9.72E-01		MG/L	1.00E-02	1.00E-02	9.90E-04	0.248	L	8.16E-04	0.97	1	11/29/2012 19:14	2334038	46DQ	MXF0E1AA

Client_id	Matrix	Result_	Cas_nbr	Parameter	Result	Qualifier	Units	Reporting_Limits_s	Reporting_Limits	Uncertainty_1s	Analyzed_s	Analyz	Decision_level_lc	LCSRecc	Adde	Analysis_date_time	Batch_nbr	Test_Me	Lab_sample_id
INTRA-LAB CHECK	SOIL	LCS	7440-47-3	Chromium	9.55E-01		MG/L	5.00E-02	5.00E-02	1.00E-02	0.248	L	8.57E-03	0.96	1	11/29/2012 19:14	2334038	46DQ	MXF0E1AA
INTRA-LAB CHECK	SOIL	LCS	7439-92-1	Lead	9.49E-01		MG/L	5.00E-02	5.00E-02	3.80E-03	0.248	L	3.09E-03	0.95	1	11/29/2012 19:14	2334038	46DQ	MXF0E1AA
INTRA-LAB CHECK	SOIL	LCS	7782-49-2	Se	8.65E-01		MG/L	5.00E-02	5.00E-02	3.10E-03	0.248	L	2.53E-03	0.87	1	11/29/2012 19:14	2334038	46DQ	MXF0E1AA
J1R5V6 DUP	SOIL	DUP	7440-22-4	Ag	4.00E-01	U	UG/G	9.95E+00	9.95E+00	2.20E-01	0.2512	G	1.82E-01			11/29/2012 19:41	2334038	46DQ	MXFXJ1A0
J1R5V6 DUP	SOIL	DUP	7440-38-2	As	1.02E+00	U	UG/G	9.95E+00	9.95E+00	5.10E-01	0.2512	G	4.18E-01			11/29/2012 19:41	2334038	46DQ	MXFXJ1A0
J1R5V6 DUP	SOIL	DUP	7440-39-3	Ba	3.25E+01		UG/G	1.99E+00	1.99E+00	4.80E-01	0.2512	G	3.97E-01			11/29/2012 19:41	2334038	46DQ	MXFXJ1A0
J1R5V6 DUP	SOIL	DUP	7440-41-7	Beryllium	3.06E-01		UG/G	9.95E-02	9.95E-02	2.90E-01	0.2512	G	2.43E-01			11/29/2012 19:41	2334038	46DQ	MXFXJ1A0
J1R5V6 DUP	SOIL	DUP	7440-43-9	Cadmium	9.65E-02	U	UG/G	1.99E+00	1.99E+00	4.70E-02	0.2512	G	3.85E-02			11/29/2012 19:41	2334038	46DQ	MXFXJ1A0
J1R5V6 DUP	SOIL	DUP	7440-47-3	Chromium	2.02E+00	U	UG/G	9.95E+00	9.95E+00	1.50E-01	0.2512	G	1.26E-01			11/29/2012 19:41	2334038	46DQ	MXFXJ1A0
J1R5V6 DUP	SOIL	DUP	7439-92-1	Lead	2.13E+00	U	UG/G	9.95E+00	9.95E+00	1.50E-02	0.2512	G	1.25E-02			11/29/2012 19:41	2334038	46DQ	MXFXJ1A0
J1R5V6 DUP	SOIL	DUP	7782-49-2	Se	2.38E-01	U	UG/G	9.95E+00	9.95E+00	3.80E-01	0.2512	G	3.12E-01			11/29/2012 19:41	2334038	46DQ	MXFXJ1A0
J1R5V6	SOIL	MS	7440-22-4	Ag	1.77E+02		% RECC	9.94E+00	9.94E+00	4.30E+00	0.2515	L	3.53E+00	0.89	199	11/29/2012 19:30	2334038	46DQ	MXFXJ1A0
J1R5V6	SOIL	MS	7440-38-2	As	1.80E+02		% RECC	9.94E+00	9.94E+00	1.20E+00	0.2515	L	9.74E-01	0.91	199	11/29/2012 19:30	2334038	46DQ	MXFXJ1A0
J1R5V6	SOIL	MS	7440-39-3	Ba	1.83E+02		% RECC	1.99E+00	1.99E+00	4.00E+00	0.2515	L	3.26E+00	0.97	199	11/29/2012 19:30	2334038	46DQ	MXFXJ1A0
J1R5V6	SOIL	MS	7440-41-7	Beryllium	1.76E+02		% RECC	9.94E-02	9.94E-02	7.10E+00	0.2515	L	5.84E+00	0.58	199	11/29/2012 19:30	2334038	46DQ	MXFXJ1A0
J1R5V6	SOIL	MS	7440-43-9	Cadmium	1.88E+02		% RECC	1.99E+00	1.99E+00	1.10E+00	0.2515	L	9.35E-01	0.94	199	11/29/2012 19:30	2334038	46DQ	MXFXJ1A0
J1R5V6	SOIL	MS	7440-47-3	Chromium	1.81E+02		% RECC	9.94E+00	9.94E+00	7.20E+00	0.2515	L	5.93E+00	0.91	199	11/29/2012 19:30	2334038	46DQ	MXFXJ1A0
J1R5V6	SOIL	MS	7439-92-1	Lead	1.77E+02		% RECC	9.94E+00	9.94E+00	1.90E+00	0.2515	L	1.53E+00	0.89	199	11/29/2012 19:30	2334038	46DQ	MXFXJ1A0
J1R5V6	SOIL	MS	7782-49-2	Se	1.66E+02		% RECC	9.94E+00	9.94E+00	2.10E-01	0.2515	L	1.71E-01	0.84	199	11/29/2012 19:30	2334038	46DQ	MXFXJ1A0
J1R5V6	SOIL	MSD	7440-22-4	Ag	1.75E+02		% RECC	9.97E+00	9.97E+00	1.60E+00	0.2507	L	1.32E+00	0.88	199	11/29/2012 19:35	2334038	46DQ	MXFXJ1A0
J1R5V6	SOIL	MSD	7440-38-2	As	1.77E+02		% RECC	9.97E+00	9.97E+00	1.30E+00	0.2507	L	1.11E+00	0.89	199	11/29/2012 19:35	2334038	46DQ	MXFXJ1A0
J1R5V6	SOIL	MSD	7440-39-3	Ba	1.73E+02		% RECC	1.99E+00	1.99E+00	4.10E+00	0.2507	L	3.38E+00	0.87	199	11/29/2012 19:35	2334038	46DQ	MXFXJ1A0
J1R5V6	SOIL	MSD	7440-41-7	Beryllium	1.71E+02		% RECC	9.97E-02	9.97E-02	8.90E-01	0.2507	L	7.32E-01	0.86	199	11/29/2012 19:35	2334038	46DQ	MXFXJ1A0
J1R5V6	SOIL	MSD	7440-43-9	Cadmium	1.84E+02		% RECC	1.99E+00	1.99E+00	9.00E-01	0.2507	L	7.41E-01	0.92	199	11/29/2012 19:35	2334038	46DQ	MXFXJ1A0
J1R5V6	SOIL	MSD	7440-47-3	Chromium	1.77E+02		% RECC	9.97E+00	9.97E+00	9.60E-01	0.2507	L	7.87E-01	0.89	199	11/29/2012 19:35	2334038	46DQ	MXFXJ1A0
J1R5V6	SOIL	MSD	7439-92-1	Lead	1.74E+02		% RECC	9.97E+00	9.97E+00	1.20E+00	0.2507	L	9.75E-01	0.87	199	11/29/2012 19:35	2334038	46DQ	MXFXJ1A0
J1R5V6	SOIL	MSD	7782-49-2	Se	1.64E+02		% RECC	9.97E+00	9.97E+00	1.40E+00	0.2507	L	1.12E+00	0.82	199	11/29/2012 19:35	2334038	46DQ	MXFXJ1A0

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Richland Laboratory
Data Review Check List
Hexavalent Chromium

Batch Number(s):	2331087	Lab Sample Numbers or SDG:	J01624

Method/Test/Parameter: Cr+6 ☐ RL-WC-003(Aqueous) ☒ RL-WC-004(Solid)

Review Item	Yes (✓)	No (✓)	N/A (✓)	2nd Level Review (✓)
A. Initial Calibration 1. Performed at required frequency with required number of levels?	✓			X
2. Correlation coefficient greater than 0.97?	✓			X
3. Initial calibration verification (ICV) analyzed immediately after calibration and results within 10% of expected?	✓			X
4. Initial calibration blank (ICB) analyzed immediately after ICV and concentrations of all parameters ≤ reporting limit?	✓			X
B. Continuing Calibration 1. CCV analyzed at required frequency and all parameters within 10% of expected?	✓			X
2. CCB analyzed at required frequency and all results ≤ reporting limit?	✓			X
C. Sample Analysis 1. Were any samples with concentrations above the linear range diluted and reanalyzed?			✓	X
2. Were all sample holding times met?	✓			X
D. QC Samples 1. All results for the preparation blank below limits?	✓			X
2. LCS percent recovery within 85-115%	✓			X
3. $PbCrO_4$ percent recovery within 75-125%?	✓			X
4. Sample and Duplicate within 20% (aqueous) or 35% (solid) RPD?	✓			X
5. MS or MS/MSD recoveries within 85-115% (aqueous) or 75-125% (solid)?	✓			X
6. On MS failure, PDMS within 85-115%?			✓	X
E. Other 1. Are all nonconformances included and noted?			✓	X
2. Is the correct date and time of analysis shown?	✓			X
3. Did the analyst sign and date the front page of the analytical run?	✓			X
4. Correct methodology used?	✓			X
5. Transcriptions checked?	✓			X
6. Calculations checked at minimum frequency?	✓			X
7. Units checked?	✓			X

Comments on any "No" response or list NCM number:

Analyst M. Rahari Date 11/27/12 2nd Review [signature] Date 11/27/12

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Richland Laboratory
Data Review Check List
Hexavalent Chromium

Batch Number(s):	2332044	Lab Sample Numbers or SDG:	J01624

Method/Test/Parameter: Cr+6 ☐ RL-WC-003(Aqueous) ☒ RL-WC-004(Solid)

Review Item	Yes (✓)	No (✓)	N/A (✓)	2nd Level Review (✓)
A. Initial Calibration 1. Performed at required frequency with required number of levels?	✓			✓
2. Correlation coefficient greater than 0.97?	✓			✓
3. Initial calibration verification (ICV) analyzed immediately after calibration and results within 10% of expected?	✓			✓
4. Initial calibration blank (ICB) analyzed immediately after ICV and concentrations of all parameters ≤ reporting limit?	✓			✓
B. Continuing Calibration 1. CCV analyzed at required frequency and all parameters within 10% of expected?	✓			✓
2. CCB analyzed at required frequency and all results ≤ reporting limit?	✓			✓
C. Sample Analysis 1. Were any samples with concentrations above the linear range diluted and reanalyzed?			✓	✓
2. Were all sample holding times met?	✓			✓
D. QC Samples 1. All results for the preparation blank below limits?	✓			✓
2. LCS percent recovery within 85-115%	✓			✓
3. $PbCrO_4$ percent recovery within 75-125%?	✓			✓
4. Sample and Duplicate within 20% (aqueous) or 35% (solid) RPD?		✓		✓
5. MS or MS/MSD recoveries within 85-115% (aqueous) or 75-125% (solid)?		✓		✓
6. On MS failure, PDMS within 85-115%?		✓		✓
E. Other 1. Are all nonconformances included and noted?	✓			✓
2. Is the correct date and time of analysis shown?	✓			✓
3. Did the analyst sign and date the front page of the analytical run?	✓			✓
4. Correct methodology used?	✓			✓
5. Transcriptions checked?	✓			✓
6. Calculations checked at minimum frequency?	✓			✓
7. Units checked?	✓			✓

Comments on any "No" response or list NCM number: 10-22321

Analyst H. Rahavi Date 11/28/12 2nd Review [signature] Date 11/28/12

CG-231 Rev 1 5/12

Clouseau
Nonconformance Memo

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

NCM #: **10-22321**
NCM Initiated By: Hooshang Rahavi
Date Opened: 11/28/2012
Date Closed:

Classification: **Anomaly**
Status: **PMREVIEW**
Production Area: Classical Chemistry
Tests: 7196A
Lot #'s (Sample #'s): J2K270000 (44), J2K270418 (1,2,3),
QC Batches: 2332044,

Nonconformance: QC data exceeded criteria
Subcategory: MS/MSD accuracy and/or precision out of control

Problem Description / Root Cause

Name	Date	Description
Hooshang Rahavi	11/28/2012	The MS recovered low at 72.9%. The insoluble MS recovered within limits at 92.6%. PDMS recovered at 74.3%. Duplicate didn't pass within acceptance criteria.

Corrective Action

Name	Date	Corrective Action
Hooshang Rahavi	11/28/2012	Suspect reducing capacity in the sample, but not enough to exhaust the more copious insoluble MS.

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

✓
HR

Date Printed: 11/28/2012

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Richland Laboratory
Data Review Check List
Hexavalent Chromium

Batch Number(s):	2333046	Lab Sample Numbers or SDG:	J01624

Method/Test/Parameter: Cr+6 ☐ RL-WC-003(Aqueous) ☒ RL-WC-004(Solid)

Review Item	Yes (✓)	No (✓)	N/A (✓)	2nd Level Review (✓)
A. Initial Calibration 1. Performed at required frequency with required number of levels?	✓			✓
2. Correlation coefficient greater than 0.97?	✓			✓
3. Initial calibration verification (ICV) analyzed immediately after calibration and results within 10% of expected?	✓			✓
4. Initial calibration blank (ICB) analyzed immediately after ICV and concentrations of all parameters ≤ reporting limit?	✓			✓
B. Continuing Calibration 1. CCV analyzed at required frequency and all parameters within 10% of expected?	✓			✓
2. CCB analyzed at required frequency and all results ≤ reporting limit?	✓			✓
C. Sample Analysis 1. Were any samples with concentrations above the linear range diluted and reanalyzed?	✓			✓
2. Were all sample holding times met?	✓			✓
D. QC Samples 1. All results for the preparation blank below limits?	✓			✓
2. LCS percent recovery within 85-115%	✓			✓
3. $PbCrO_4$ percent recovery within 75-125%?	✓			✓
4. Sample and Duplicate within 20% (aqueous) or 35% (solid) RPD?	✓			✓
5. MS or MS/MSD recoveries within 85-115% (aqueous) or 75-125% (solid)?	✓			✓
6. On MS failure, PDMS within 85-115%?			✓	✓
E. Other 1. Are all nonconformances included and noted?			✓	✓
2. Is the correct date and time of analysis shown?	✓			✓
3. Did the analyst sign and date the front page of the analytical run?	✓			✓
4. Correct methodology used?	✓			✓
5. Transcriptions checked?	✓			✓
6. Calculations checked at minimum frequency?	✓			✓
7. Units checked?	✓			✓

Comments on any "No" response or list NCM number:

Analyst H. Rahavi Date 11/29/12 2nd Review [signature] Date 11/29/12

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Richland Laboratory
Data Review Check List
Hexavalent Chromium

Batch Number(s):	2334045	Lab Sample Numbers or SDG:	J01624

Method/Test/Parameter: Cr+6 ☐ RL-WC-003(Aqueous) ☒ RL-WC-004(Solid)

Review Item	Yes (✓)	No (✓)	N/A (✓)	2nd Level Review (✓)
A. Initial Calibration 1. Performed at required frequency with required number of levels?	✓			X
2. Correlation coefficient greater than 0.97?	✓			X
3. Initial calibration verification (ICV) analyzed immediately after calibration and results within 10% of expected?	✓			X
4. Initial calibration blank (ICB) analyzed immediately after ICV and concentrations of all parameters ≤ reporting limit?	✓			X
B. Continuing Calibration 1. CCV analyzed at required frequency and all parameters within 10% of expected?	✓			X
2. CCB analyzed at required frequency and all results ≤ reporting limit?	✓			X
C. Sample Analysis 1. Were any samples with concentrations above the linear range diluted and reanalyzed?			✓	X
2. Were all sample holding times met?	✓			X
D. QC Samples 1. All results for the preparation blank below limits?	✓			X
2. LCS percent recovery within 85-115%	✓			X
3. $PbCrO_4$ percent recovery within 75-125%?	✓			X
4. Sample and Duplicate within 20% (aqueous) or 35% (solid) RPD?	✓			X
5. MS or MS/MSD recoveries within 85-115% (aqueous) or 75-125% (solid)?	✓			X
6. On MS failure, PDMS within 85-115%?			✓	X
E. Other 1. Are all nonconformances included and noted?			✓	X
2. Is the correct date and time of analysis shown?	✓			X
3. Did the analyst sign and date the front page of the analytical run?	✓			X
4. Correct methodology used?	✓			X
5. Transcriptions checked?	✓			X
6. Calculations checked at minimum frequency?	✓			X
7. Units checked?	✓			X

Comments on any "No" response or list NCM number:

Analyst [signature] Date 11/29/12 2nd Review [signature] Date 11/30/12

CG-231 Rev 1, 5/12

Washington Closure Hanford	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	RC-207-111	Page 1 of 1
Collector: R. Bracken A. Dunnum	Company Contact: Joan Kessner; Telephone No.: 509-375-4688	Project Coordinator: KESSNER, JH	Price Code: 8L 11/26/12; Data Turnaround: ~~21 Days~~ Quick turn
Project Designation: Remedial Action of the 100-C-7 & 100-C-7:1 Waste Sites - I	Sampling Location: 100-C-7:1(Section C, cell 3)	SAF No.: RC-207	
Ice Chest No.: N/A	Field Logbook No.: EL-1655-06; COA: R00C712600	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

Cool 4 degrees centigrade

J2K260410

J01624
Due 11-27-12

J2K260410

Preservation	Cool 4C	Cool 4C									
Type of Container	G/P	G/P									
No. of Container(s)	1 11/15/12	1									
Volume	~~60mL~~ 125 mL	125mL									
	See item (1) in Special Instructions	Chromium Hex - 7196 - Quick Turn									

Sample No.	Matrix *	Sample Date	Sample Time										
J1R5T9 MXEWP	SOIL	11/26/12	0815	X	X								
J1R5V0 MXEWQ	SOIL	11/26/12	0820	X	X								
J1R5V1 ~~MXEWR 11-26-12~~	SOIL	11/26/12	0825	X	X	MXEWR							
J1R5V2 11/26/12	SOIL												
J1R5V3	SOIL												

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

Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Aaron Dunnum	11-26-12 8:00	R. Fahlberg R. Fahlberg	11-26-12 0850
R. Fahlberg R. Fahlberg	11-26-12 0945	Birnham	11-26-12 0945
Birnham WCH	11-26-12 1232	Lucas Velasquez	11-26-12 1232

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 11-26-12

Matrix *
S=Soil
SD=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-207-112	Page 1 of 1
Collector: R. Brackett, A. Dunnum	Company Contact: Joan Kessner; Telephone No.: 509-375-4688	Project Coordinator: KESSNER, JH	Price Code: 8L; Data Turnaround: ~~21 Days~~ Quick turn
Project Designation: Remedial Action of the 100-C-7 & 100-C-7:1 Waste Sites - I	Sampling Location: 100-C-7:1(Section A, cell 1)	SAF No.: RC-207	
Ice Chest No.: N/A	Field Logbook No.: EL-1655-06; COA: R00C712600	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

Cool 4 degrees centigrade

J2K260410

J01624
Due 11-27-12

Preservation	Cool 4C	Cool 4C									
Type of Container	G/P	G/P									
No. of Container(s)	1	1									
Volume	125mL	125mL									
SAMPLE ANALYSIS	See item (1) in Special Instructions.	Chromium Hex - 7196 - Quick Turn									

Sample No.	Matrix *	Sample Date	Sample Time									
J1R5V4 MXEWW	SOIL	11/26/12	0935	X	X							
J1R5V5 MXEWX	SOIL	11/26/12	0940	X	X							
J1R5V6	SOIL											
J1R5V7	SOIL											
~~J1R5V8~~	SOIL											

CHAIN OF POSSESSION	Sign/Print Names		
Relinquished By/Removed From	Date/Time 11-26-12 8:50	Received By/Stored In R. Fahlberg	Date/Time 11-26-12 0850
Relinquished By/Removed From R. Fahlberg	Date/Time 11-26-12 0945	Received By/Stored In	Date/Time 11-26-12 0945
Relinquished By/Removed From ACH	Date/Time 11-26-12 1232	Received By/Stored In TALP	Date/Time 1232 11-26-12
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}; Metals by ICP - 6010 - Quick Turn (Add On) {Beryllium}

REVIEWED BY AJ
DATE 11-26-12

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Sample Check-in List

Date/Time Received: 11-26-12 @ 1232 Container GM Screen Result: (Airlock) .04 Initials[LV]
Sample GM Screen Result (Sample Receiving) .05 Initials[LV]

Client: WCH SDG #: J011624 NA [ ] SAF #: RC-207 NA [ ]

Lot Number: J2L260410

Chain of Custody # RC-207-111, 112

Shipping Container ID: Hand Delivery NA[LV] Air Bill Number: NA[LV]

Samples received inside shipping container/cooler/box Yes [LV] 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 [LV]
2. Custody Seals dated and signed? Yes [ ] No [ ] No Custody Seal [LV]
3. Cooler temperature: 3.6 °C on ICE ~~NA~~ [LV]
4. Vermiculite/packing materials is NA [ ] Wet [ ] Dry [LV]

Item 5 through 16 for samples. Initial appropriate response.

5. Chain of Custody record present? Yes [LV] No [ ]
6. Number of samples received (Each sample may contain multiple bottles): 3 JB 11-26-12 5
7. Containers received: ~~4 x 125mlp~~ 11-26-12 10 x 125mlp
8. Sample holding times exceeded? NA [ ] Yes [ ] No [LV]
9. Samples have:
   ____tape ____hazard labels
   ____custody seals LV appropriate sample labels
10. Matrix:
    LV A (FLT, Wipe, Solid, Soil) ____I (Water)
    ____S (Air, Niosh 7400) ____T (Biological, Ni-63)
11. Samples:
    LV are in good condition ____are leaking
    ____are broken ____have air bubbles (Only for samples requiring no head space)
    ____Other
12. Sample pH appropriate for analysis requested Yes [ ] No [ ] NA [LV]
    (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 : N/A
13. Were any anomalies identified in sample receipt? Yes [ ] No [LV]
14. Description of anomalies (include sample numbers): NA[LV]

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: N/A

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

Sample Custodian: [signature] Date: 11-26-12

Client Informed on _____ by _____ Person contacted _____

[✓] No action necessary, process as is

Project Manager [signature] Date 11/26/12

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

TMB

11-26-12

[signature]

[signature]

JZK260410

RW 11/26/12

LS-023, Rev. 15, 07/11

See over for additional information.

Washington Closure Hanford	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	RC-207-114	Page 1 of 1
Collector: R. Brackett	Company Contact: Joan Kessner; Telephone No.: 509-375-4688	Project Coordinator: KESSNER, JH	Price Code: ~~8L~~ 11/27/12 Quick turn; Data Turnaround: ~~21 Days~~
Project Designation: Remedial Action of the 100-C-7 & 100-C-7:1 Waste Sites - I	Sampling Location: 100-C-7:1(Section C, cell 3)	SAF No.: RC-207	
Ice Chest No.: N/A	Field Logbook No.: EL-1655-07; COA: R00C712600	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

Cool 4 degrees centigrade

J2K270418

J01624
Due 11-28-12

J2K270418

Preservation	Cool 4C	Cool 4C									
Type of Container	G/P	G/P									
No. of Container(s)	1	1									
Volume	125mL	125mL									
	See item (1) in Special Instructions.	Chromium Hex - 7196 - Quick Turn									

Sample No.	Matrix *	Sample Date	Sample Time										
J1R627 mXE9C	SOIL	11/27/12	0900	X	X								
J1R628 mXE9J	SOIL	11/27/12	0905	X	X								
J1R629 mXE9L	SOIL	11/27/12	0910	X	X								
J1R630 RB 11-27-12	SOIL												
J1R631	SOIL												

CHAIN OF POSSESSION	Date/Time	Sign/Print Names: Received By/Stored In	Date/Time
Relinquished By/Removed From: Rob Brackett RBO	11-27-12 0920	Received By/Stored In: C. Martinez / C. Martinez	11/27/12 0920
Relinquished By/Removed From: C. Martinez / C. Martinez	11/27/12 0930	Received By/Stored In: [illegible] Bingham	11-27-12 0930
Relinquished By/Removed From: [illegible] Bingham WCH	11-27-12 1035	Received By/Stored In: J. Bock J. Bock TALK	11-27-12 1035
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}; Metals by ICP - 6010 - Quick Turn (Add On) {Beryllium}

REVIEWED BY AJ
DATE 11-27-12

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Sample Check-in List

-04 [B] 11-27-12

Date/Time Received: 11-27-12 / 1035 Container GM Screen Result: (Airlock) 4.0 Initials [B]
Sample GM Screen Result (Sample Receiving) .02 Initials [B]

Client: WCH SDG #: J01624 NA [ ] SAF #: RC-207 NA [ ]

Lot Number: J2K270418

Chain of Custody # RC-207-114

Shipping Container ID: hand deliv. NA [B] Air Bill Number: NA [B]

Samples received inside shipping container/cooler/box Yes [B] 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 [B]
2. Custody Seals dated and signed? Yes [ ] No [ ] No Custody Seal [B]
3. Cooler temperature: 4.6 °C on Ice NA [ ]
4. Vermiculite/packing materials is NA [B] Wet [ ] Dry [ ]

Item 5 through 16 for samples. Initial appropriate response.

5. Chain of Custody record present? Yes [B] No [ ]
6. Number of samples received (Each sample may contain multiple bottles): 3
7. Containers received: 6x125 mup
8. Sample holding times exceeded? NA [ ] Yes [ ] No [B]
9. Samples have:
   - ____ tape
   - [B] custody seals
   - ____ hazard labels
   - [B] appropriate sample labels
10. Matrix:
    - [B] A (FLT, Wipe, Solid, Soil)
    - ____ S (Air, Niosh 7400)
    - ____ I (Water)
    - ____ T (Biological, Ni-63)
11. Samples:
    - [B] are in good condition
    - ____ are broken
    - ____ are leaking
    - ____ have air bubbles (Only for samples requiring no head space)
    - ____ Other
12. Sample pH appropriate for analysis requested Yes [ ] No [ ] NA [B]
    (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 [B]
14. Description of anomalies (include sample numbers): NA [B]

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: Juan Bach Date: 11-27-12

-Client Informed on _____ by _____ Person contacted _____

[X] No action necessary; process as is

Project Manager [signature] Date 11/27/12

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

Bach 11-27-12 Bach 11-27-12

J2K0704(8 [signature] 11/27/12

LS-023, Rev. 15, 07/11

See over for additional information.

11-28-12 CMB

Washington Closure Hanford	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	RC-207-109	Page 1 of 2

Collector R. Brackett	Company Contact Joan Kessner	Telephone No. 509-375-4688	Project Coordinator KESSNER, JH
Project Designation Remedial Action of the 100-C-7 & 100-C-7:1 Waste Sites - I	Sampling Location 100-C-7:1(ACL)		SAF No. RC-207
Ice Chest No. N/A	Field Logbook No. EL-1655-06	COA R00C712600	Method of Shipment Hand deliver
Shipped To TestAmerica Incorporated, Richland	Offsite Property No. N/A		Bill of Lading/Air Bill No. N/A

Price Code ~~SL~~ 11-28-12 QUICK TURN

Data Turnaround ~~21 Days~~

POSSIBLE SAMPLE HAZARDS/REMARKS

None

Special Handling and/or Storage

Cool 4 degrees centigrade

J2K280438

J0L24
Due 11-29-12

J2K280438

Preservation	Cool 4C	None	Cool 4C
Type of Container	G/P	G/P	G/P
No. of Container(s)	1	1	1
Volume	125mL	125mL	125mL
	See item (1) in Special Instructions	See item (2) in Special Instructions	Chromium Hex - 7196 - Quick Turn

Sample No.	Matrix *	Sample Date	Sample Time			
J1R5R9 MXFP1	SOIL	11-28-12	1100	X	X	X
J1R5T0 MXFP2	SOIL	11-28-12	1110	X	X	X
J1R5T1 MXFP3	SOIL	11-28-12	1115	X	X	X
J1R5T2 MXFP4	SOIL	11-28-12	1120	X	X	X
J1R5T3 MXFP7	SOIL	11/28/12	1150	X	X	X

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

Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
R. Brackett	11-28-12 1200	B. Fahlberg	11-28-12 1200
B. Fahlberg	11-28-12 1205	[illegible]	11-28-12 1215
[illegible] NOH	11-28-12 1340	TALB Julie Beck	11-28-12 1340

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}

~~(2) QTL TCLP ICP Metals 1311/6010 {Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, Silver}~~

11-28-12 CMB

REVIEWED BY AJ
DATE 11-28-12

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Sample Check-in List

Date/Time Received: 11-28-12 / 1340 Container GM Screen Result: (Airlock) .04 Initials [ ]
Sample GM Screen Result (Sample Receiving) .04 Initials [ ]

Client: WCH SDG #: J011624 NA [ ] SAF #: RC-207 NA [ ]

Lot Number: J2K280438

Chain of Custody # RC-207-109

Shipping Container ID: hand delivery 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: 5.7 °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): 5
7. Containers received: ~~5~~ 10 x 125 mL
   11-28-12
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
    ____ are leaking
    ____ have air bubbles (Only for samples requiring no head space)
    ____ Other
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: [signature] Date: 11-28-12

Client Informed on _____ by _____ Person contacted _____

[✓] No action necessary, process as is

Project Manager [signature] Date 11/28/12

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

[signature] 11-28-12

[signature] 11-28-12

JAK280438 [signature] 11/28/12

LS-023, Rev. 15, 07/11

See over for additional information.

Washington Closure Hanford	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		RC-207-112	Page 1 of 1
Collector R. Brackett	Company Contact Joan Kessner	Telephone No. 509-375-4688	Project Coordinator KESSNER, JH	Price Code ~~8L~~ 11/29/12 ~~21 Days~~ Data Turnaround Quick Turn
Project Designation Remedial Action of the 100-C-7 & 100-C-7:1 Waste Sites - I	Sampling Location 100-C-7:1(Section A, cell 1)		SAF No. RC-207	
Ice Chest No. N/A	Field Logbook No. 11/29/12 EL-1655-06-07	COA R00C712600	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

Cool 4 degrees centigrade

J2K290423

J01624

Due 11-30-12

J2K290423

Preservation	Cool 4C	Cool 4C									
Type of Container	G/P	G/P									
No. of Container(s)	1	1									
Volume	125mL	125mL									
	See item (1) in Special Instructions.	Chromium Hex - 7196 - Quick Turn									

Sample No.	Matrix *	Sample Date	Sample Time										
~~J1R5V4~~	SOIL												
J1R5V5 11/29/12	~~SOIL~~												
J1R5V6 MXFXJ	SOIL	11/29/12	1015	X	X								
J1R5V7 MXFXL	SOIL	11/29/12	1020	X	X								
~~J1R5V8~~	~~SOIL~~												

CHAIN OF POSSESSION	Sign/Print Names		
Relinquished By/Removed From	Date/Time 1025	Received By/Stored In	Date/Time 1025
R. Brackett	11-29-12	B. Fahlberg B. Fuller	11-29-12
Relinquished By/Removed From	Date/Time 1045	Received By/Stored In	Date/Time
R. Fahlberg B. Fuller	11-29-12		11-29-12 1045
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time 1130
WCH	11-29-12 1130	JALR Julie Lock	11-29-12
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}; Metals by ICP - 6010 - Quick Turn (Add On) {Beryllium}

REVIEWED BY AJ DATE 11-29-12

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-207-113	Page 1 of 1
Collector: R. Brackett	Company Contact: Joan Kessner; Telephone No.: 509-375-4688	Project Coordinator: KESSNER, JH	Price Code: ~~8L~~ 11/29/12; Data Turnaround: ~~21 Days~~ Quick turn
Project Designation: Remedial Action of the 100-C-7 & 100-C-7:1 Waste Sites - I	Sampling Location: 100-C-7:1(Section B, cell 2)	SAF No.: RC-207	
Ice Chest No.: N/A	Field Logbook No.: EL-1655-07; COA: R00C712600	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

Cool 4 degrees centigrade

JAK290423

J01624
Due 11-30-12

Preservation	Cool 4C	Cool 4C									
Type of Container	G/P	G/P									
No. of Container(s)	1	1									
Volume	125mL	125mL									
SAMPLE ANALYSIS	See item (1) in Special Instructions.	Chromium Hex - 7196 - Quick Turn									

Sample No.	Matrix *	Sample Date	Sample Time									
J1R601 MXFXM	SOIL	11/29/12	0845	X	X							
J1R602 MXFXN	SOIL	11/29/12	0850	X	X							
J1R603 MXFXP	SOIL	11/29/12	0855	X	X							
J1R604 MXFXQ	SOIL	11/29/12	0900	X	X							
J1R605 MXFXR	SOIL	11/29/12	0905	X	X							

CHAIN OF POSSESSION	Sign/Print Names	
Relinquished By/Removed From: R.B. Brackett; Date/Time: 0940 11-29-12	Received By/Stored In: B. Fahlberg B. Fahlberg; Date/Time: 0940 11-29-12	
Relinquished By/Removed From: R. Fahlberg R. Fahlberg; Date/Time: 1045 11-29-12	Received By/Stored In: [illegible] Ingham; Date/Time: 11-29-12 1045	
Relinquished By/Removed From: [illegible] Ingham; Date/Time: 11-29-12 1130	Received By/Stored In: TALA J. Beck J. Beck; Date/Time: 1130 11-29-12 ~~1045~~ 11-29-12	
Relinquished By/Removed From	Received By/Stored In	
Relinquished By/Removed From	Received By/Stored In	
Relinquished By/Removed From	Received By/Stored In	

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 DJ DATE 11-29-12

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: 11-29-12 / 1130 Container GM Screen Result: (Airlock) .04 Initials [BS]
Sample GM Screen Result (Sample Receiving) .06 Initials [BS]

Client: WCH SDG #: 501624 NA [ ] SAF #: RC-207 NA [ ]

Lot Number: J2K290423

Chain of Custody # RC-207 110; 112; 113 @11-29-12

Shipping Container ID: hand delivery NA [PW] Air Bill Number: NA [BS]

Samples received inside shipping container/cooler/box Yes [BS] 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 [BS]
2. Custody Seals dated and signed? Yes [ ] No [ ] No Custody Seal [BS]
3. Cooler temperature: 4.3 °C Ice Packs NA [BS]
4. Vermiculite/packing materials is NA [BS] Wet [ ] Dry [ ]

Item 5 through 16 for samples. Initial appropriate response.

5. Chain of Custody record present? Yes [BS] No [ ]
6. Number of samples received (Each sample may contain multiple bottles): 14 ~~11~~ BS 11-29-12 ~~7 x 125~~ BS 11-29-12
7. Containers received: ~~22 x 125mLp~~ BS 11-29-12 14 x 125 mLp
8. Sample holding times exceeded? NA [ ] Yes [ ] No [BS]
9. Samples have:
   - ___ tape
   - [BS] custody seals
   - ___ hazard labels
   - [BS] appropriate sample labels
10. Matrix:
    - [BS] A (FLT, Wipe, Solid, Soil)
    - ___ S (Air, Niosh 7400)
    - ___ I (Water)
    - ___ T (Biological, Ni-63)
11. Samples:
    - [BS] are in good condition
    - ___ are broken
    - ___ are leaking
    - ___ have air bubbles (Only for samples requiring no head space)
    - ___ Other
12. Sample pH appropriate for analysis requested Yes [ ] No [ ] NA [BS]
    (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 [BS]
14. Description of anomalies (include sample numbers): NA [BS]

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: Date: 11-29-12

Client Informed on by Person contacted

[✓] No action necessary; process as is

Project Manager Date 11/29/12

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

11-29-12 11-29-12

J2K2904 23 11/29/12

LS-023, Rev. 15, 07/11

See over for additional information.

11/26/2012 3:37:16 PM

Sample Preparation/Analysis

127642, Washington Closure Hanford LLC
Washington Closure Hanford LLC

DW Alkaline Digestion by method 3060A
EA Chromium, Hexavalent (7196A)
5I CLIENT: HANFORD

AnalyDueDate: 11/27/2012

Batch: 2331087 **SOIL** **mg/kg** **PM, Quote: RW2, 88144**
SEQ Batch, Test: None All Tests: DWEA, 2331084 , 2331084 46DQ, 2331085 DWEA, 2331087 DWEA,

Balance Id:
Pipet #:
Sep1 DT/Tm Tech:
Sep2 DT/Tm Tech:
Prep Tech:

Work Ord, Lot, Sample Date	Total Amt/Unit	Total Acidified/Unit	Initial Aliquot Amt/Unit	Adj Aliq Amt (Un-Acidified)	QC Tracer Prep Date	Tracer Yield	Dish Size	Ppt or Geometry	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
1 MXEWP-1-AC													
J2K260410-1-SAMP													
11/26/2012 08:15			AmtRec: 2X125MLP		#Containers: 2				Scr:		Alpha:		Beta:
2 MXEWP-1-CK-S													
J2K260410-1-MS													
11/26/2012 08:15			AmtRec: 2X125MLP		#Containers: 2				Scr:		Alpha:		Beta:
3 MXEWQ-1-AC													
J2K260410-2-SAMP													
11/26/2012 08:20			AmtRec: 2X125MLP		#Containers: 2				Scr:		Alpha:		Beta:
4 MXEWR-1-AC													
J2K260410-3-SAMP													
11/26/2012 08:25			AmtRec: 2X125MLP		#Containers: 2				Scr:		Alpha:		Beta:
5 MXEWW-1-AC													
J2K260410-4-SAMP													
11/26/2012 08:35			AmtRec: 2X125MLP		#Containers: 2				Scr:		Alpha:		Beta:
6 MXEWX-1-AC													
J2K260410-5-SAMP													
11/26/2012 08:40			AmtRec: 2X125MLP		#Containers: 2				Scr:		Alpha:		Beta:
7 MXE0J-1-AA-B													
J2K260000-87-BLK													
11/26/2012 15:37 pd			AmtRec:		#Containers: 1				Scr:		Alpha:		Beta:

TestAmerica Richland Wa. Key: In - Initial Amt, fi - Final Amt, dl - Diluted Amt, s1 - Sep1, s2 - Sep2 pd - Prep Dt, dc - Date Chg, r - Reference Dt, ec-Enrichment Cell, ct-Cocktailed Added

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ISV - Insufficient Volume for Analysis

WO Cnt: 7

ICOC v4.8.49

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Sample Preparation/Analysis

DW Alkaline Digestion by method 3060A
EA Chromium, Hexavalent (7196A)
5I CLIENT: HANFORD

AnalyDueDate: 11/27/2012

Batch: 2331087 mg/kg
SEQ Batch, Test: None

Balance Id:
Pipet #:
Sep1 DT/Tm Tech:
Sep2 DT/Tm Tech:
Prep Tech:

Work Ord, Lot, Sample Date	Total Amt/Unit	Total Acidified/Unit	Initial Aliquot Amt/Unit	Adj Aliq Amt (Un-Acidified)	QC Tracer Prep Date	Tracer Yield	Dish Size	Ppt or Geometry	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
8 MXE0J-1-AC-C													
J2K260000-87-LCS													
11/26/2012 15:37 pd			AmtRec:	#Containers: 1					Scr:		Alpha:		Beta:

Comments:

All Clients for Batch:
127642, Washington Closure Hanford LLC Washington Closure Hanford LLC, RW2, 88144

MXEWP1AC-SAMP Constituent List:

MXEWP1CK-MS Constituent List:

MXE0J1AA-BLK:

MXE0J1AC-LCS:

MXEWP1AC-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
MXEWP1CK-MS Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
MXE0J1AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
MXE0J1AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

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Sample Preparation/Analysis

127642, Washington Closure Hanford LLC ,
Washington Closure Hanford LLC

DW Alkaline Digestion by method 3060A
EA Chromium, Hexavalent (7196A)
5I CLIENT: HANFORD

AnalyDueDate: 11/28/2012

Batch: 2332044 **SOIL** **mg/kg** **PM, Quote: RW2, 88144**
SEQ Batch, Test: None All Tests: , 46DQ, 2332044 DWEA,

Balance Id:
Pipet #:
Sep1 DT/Tm Tech:
Sep2 DT/Tm Tech:
Prep Tech:

Work Ord, Lot, Sample Date	Total Amt/Unit	Total Acidified/Unit	Initial Aliquot Amt/Unit	Adj Aliq Amt (Un-Acidified)	QC Tracer Prep Date	Tracer - Yield	Dish Size	Ppt or Geometry	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
1 MXE9C-1-AC J2K270418-1-SAMP 11/27/2012 09:00			AmtRec: 2X125MLP		#Containers: 2				Scr:		Alpha:		Beta:
2 MXE9C-1-AL-S J2K270418-1-MS 11/27/2012 09:00			AmtRec: 2X125MLP		#Containers: 2				Scr:		Alpha:		Beta:
3 MXE9C-1-AM-X J2K270418-1-DUP 11/27/2012 09:00			AmtRec: 2X125MLP		#Containers: 2				Scr:		Alpha:		Beta:
4 MXE9J-1-AC J2K270418-2-SAMP 11/27/2012 09:05			AmtRec: 2X125MLP		#Containers: 2				Scr:		Alpha:		Beta:
5 MXE9L-1-AC J2K270418-3-SAMP 11/27/2012 09:10			AmtRec: 2X125MLP		#Containers: 2				Scr:		Alpha:		Beta:
6 MXE9R-1-AA-B J2K270000-44-BLK 11/27/2012 12:26 pd			AmtRec:		#Containers: 1				Scr:		Alpha:		Beta:
7 MXE9R-1-AC-C J2K270000-44-LCS 11/27/2012 12:26 pd			AmtRec:		#Containers: 1				Scr:		Alpha:		Beta:

TestAmerica Richland Wa. Key: In - Initial Amt, fi - Final Amt, di - Diluted Amt, s1 - Sep1, s2 - Sep2 pd - Prep Dt, dc - Date Chg, r - Reference Dt, ec-Enrichment Cell, ct-Cocktailed Added Page 1 ISV - Insufficient Volume for Analysis WO Cnt: 7 ICOC v4.8.49

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Sample Preparation/Analysis

DW Alkaline Digestion by method 3060A
EA Chromium, Hexavalent (7196A)
5I CLIENT: HANFORD

AnalyDueDate: 11/28/2012

Batch: 2332044 mg/kg
SEQ Batch, Test: None

Balance Id:
Pipet #:
Sep1 DT/Tm Tech:
Sep2 DT/Tm Tech:
Prep Tech:

Work Ord, Lot, Sample Date	Total Amt/Unit	Total Acidified/Unit	Initial Aliquot Amt/Unit	Adj Aliq Amt (Un-Acidified)	QC Tracer Prep Date	Tracer Yield	Dish Size	Ppt or Geometry	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:

Comments:

All Clients for Batch:
127642, Washington Closure Hanford LLC Washington Closure Hanford LLC, RW2, 88144

MXE9C1AC-SAMP Constituent List:

MXE9C1AL-MS Constituent List:

MXE9R1AA-BLK:

MXE9R1AC-LCS:

MXE9C1AC-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
MXE9C1AL-MS Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
MXE9R1AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
MXE9R1AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

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Sample Preparation/Analysis

127642, Washington Closure Hanford LLC ,
Washington Closure Hanford LLC

DW Alkaline Digestion by method 3060A
EA Chromium, Hexavalent (7196A)
5I CLIENT: HANFORD

AnalyDueDate: 11/29/2012

Batch: 2333046 SOIL mg/kg PM, Quote: RW2, 88144

SEQ Batch, Test: None All Tests: 2333046 DWEA, 2333050 , 2333050 46DQ,

Balance Id:

Pipet #:

Sep1 DT/Tm Tech:

Sep2 DT/Tm Tech:

Prep Tech:

Work Ord, Lot, Sample Date	Total Amt/Unit	Total Acidified/Unit	Initial Aliquot Amt/Unit	Adj Aliq Amt (Un-Acidified)	QC Tracer Prep Date	Tracer Yield	Dish Size	Ppt or Geometry	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
1 MXFP1-1-AC J2K280438-1-SAMP 11/28/2012 11:00			AmtRec: 2X125MLP	#Containers: 2					Scr:		Alpha:		Beta:
2 MXFP1-1-AL-S J2K280438-1-MS 11/28/2012 11:00			AmtRec: 2X125MLP	#Containers: 2					Scr:		Alpha:		Beta:
3 MXFP1-1-AM-X J2K280438-1-DUP 11/28/2012 11:00			AmtRec: 2X125MLP	#Containers: 2					Scr:		Alpha:		Beta:
4 MXFP2-1-AC J2K280438-2-SAMP 11/28/2012 11:10			AmtRec: 2X125MLP	#Containers: 2					Scr:		Alpha:		Beta:
5 MXFP3-1-AC J2K280438-3-SAMP 11/28/2012 11:15			AmtRec: 2X125MLP	#Containers: 2					Scr:		Alpha:		Beta:
6 MXFP4-1-AC J2K280438-4-SAMP 11/28/2012 11:20			AmtRec: 2X125MLP	#Containers: 2					Scr:		Alpha:		Beta:
7 MXFP7-1-AC J2K280438-5-SAMP 11/28/2012 11:50			AmtRec: 2X125MLP	#Containers: 2					Scr:		Alpha:		Beta:

TestAmerica Richland Wa. Key: In - Initial Amt, fi - Final Amt, di - Diluted Amt, s1 - Sep1, s2 - Sep2 pd - Prep Dt, dc - Date Chg, r - Reference Dt, ec-Enrichment Cell, ct-Cocktailed Added

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ISV - Insufficient Volume for Analysis

WO Cnt: 7

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Sample Preparation/Analysis

DW Alkaline Digestion by method 3060A
EA Chromium, Hexavalent (7196A)
5I CLIENT: HANFORD

AnalyDueDate: 11/29/2012

Batch: 2333046 mg/kg
SEQ Batch, Test: None

Balance Id:
Pipet #:
Sep1 DT/Tm Tech:
Sep2 DT/Tm Tech:
Prep Tech:

Work Ord, Lot, Sample Date	Total Amt/Unit	Total Acidified/Unit	Initial Aliquot Amt/Unit	Adj Aliq Amt (Un-Acidified)	QC Tracer Prep Date	Tracer Yield	Dish Size	Ppt or Geometry	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
8 MXFQN-1-AA-B J2K280000-46-BLK 11/28/2012 15:59 pd				AmtRec:			#Containers: 1		Scr:		Alpha:		Beta:
9 MXFQN-1-AC-C J2K280000-46-LCS 11/28/2012 15:59 pd				AmtRec:			#Containers: 1		Scr:		Alpha:		Beta:

Comments:

All Clients for Batch:
127642, Washington Closure Hanford LLC Washington Closure Hanford LLC, RW2, 88144

MXFP11AC-SAMP Constituent List:

MXFP11AL-MS Constituent List:

MXFQN1AA-BLK:

MXFQN1AC-LCS:

MXFP11AC-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
MXFP11AL-MS Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
MXFQN1AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
MXFQN1AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

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Sample Preparation/Analysis

127642, Washington Closure Hanford LLC ,
Washington Closure Hanford LLC

DW Alkaline Digestion by method 3060A
EA Chromium, Hexavalent (7196A)
5I CLIENT: HANFORD

AnalyDueDate: 11/30/2012

Batch: 2334045 SOIL mg/kg PM, Quote: RW2, 88144
SEQ Batch, Test: None All Tests: 46DQ, 2334038 , 2334038 46DQ, 2334045 DWEA,

Balance Id:
Pipet #:
Sep1 DT/Tm Tech:
Sep2 DT/Tm Tech:
Prep Tech:

Work Ord, Lot, Sample Date	Total Amt/Unit	Total Acidified/Unit	Initial Aliquot Amt/Unit	Adj Aliq Amt (Un-Acidified)	QC Tracer Prep Date	Tracer Yield	Dish Size	Ppt or Geometry	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
1 MXFXJ-1-AC J2K290423-1-SAMP 11/29/2012 10:15			AmtRec: 2X125MLP				#Containers: 2		Scr:		Alpha:		Beta:
2 MXFXJ-1-CE-S J2K290423-1-MS 11/29/2012 10:15			AmtRec: 2X125MLP				#Containers: 2		Scr:		Alpha:		Beta:
3 MXFXJ-1-CF-X J2K290423-1-DUP 11/29/2012 10:15			AmtRec: 2X125MLP				#Containers: 2		Scr:		Alpha:		Beta:
4 MXFXL-1-AC J2K290423-2-SAMP 11/29/2012 10:20			AmtRec: 2X125MLP				#Containers: 2		Scr:		Alpha:		Beta:
5 MXFXM-1-AC J2K290423-3-SAMP 11/29/2012 08:45			AmtRec: 2X125MLP				#Containers: 2		Scr:		Alpha:		Beta:
6 MXFXN-1-AC J2K290423-4-SAMP 11/29/2012 08:50			AmtRec: 2X125MLP				#Containers: 2		Scr:		Alpha:		Beta:
7 MXFXP-1-AC J2K290423-5-SAMP 11/29/2012 08:55			AmtRec: 2X125MLP				#Containers: 2		Scr:		Alpha:		Beta:

TestAmerica Richland Wa. Key: In - Initial Amt, fi - Final Amt, di - Diluted Amt, s1 - Sep1, s2 - Sep2 pd - Prep Dt, dc - Date Chg, r - Reference Dt, ec-Enrichment Cell, ct-Cocktailed Added

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ISV - Insufficient Volume for Analysis

WO Cnt: 7
ICOC v4.8.49

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Sample Preparation/Analysis

127642, Washington Closure Hanford LLC ,
Washington Closure Hanford LLC

DW Alkaline Digestion by method 3060A
EA Chromium, Hexavalent (7196A)
5I CLIENT: HANFORD

AnalyDueDate: 11/30/2012

Batch: 2334045 **SOIL** **mg/kg** **PM, Quote: RW2, 88144**
SEQ Batch, Test: None

Balance Id:
Pipet #: _____
Sep1 DT/Tm Tech:
Sep2 DT/Tm Tech:
Prep Tech:

Work Ord, Lot, Sample Date	Total Amt/Unit	Total Acidified/Unit	Initial Aliquot Amt/Unit	Adj Aliq Amt (Un-Acidified)	QC Tracer Prep Date	Tracer Yield	Dish Size	Ppt or Geometry	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
8 MXFXQ-1-AC J2K290423-6-SAMP 11/29/2012 09:00			AmtRec: 2X125MLP		#Containers: 2				Scr:		Alpha:		Beta:
9 MXFXR-1-AC J2K290423-7-SAMP 11/29/2012 09:05			AmtRec: 2X125MLP		#Containers: 2				Scr:		Alpha:		Beta:
10 MXF2C-1-AA-B J2K290000-45-BLK 11/29/2012 14:07 pd			AmtRec:		#Containers: 1				Scr:		Alpha:		Beta:
11 MXF2C-1-AC-C J2K290000-45-LCS 11/29/2012 14:07 pd			AmtRec:		#Containers: 1				Scr:		Alpha:		Beta:

Comments:

All Clients for Batch:
127642, Washington Closure Hanford LLC Washington Closure Hanford LLC, RW2, 88144

MXFXJ1AC-SAMP Constituent List:

MXFXJ1CE-MS Constituent List:

MXF2C1AA-BLK:

MXF2C1AC-LCS:

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Sample Preparation/Analysis

DW Alkaline Digestion by method 3060A
EA Chromium, Hexavalent (7196A)
5I CLIENT: HANFORD

AnalyDueDate: 11/30/2012

Batch: 2334045 mg/kg
SEQ Batch, Test: None

Balance Id:
Pipet #:
Sep1 DT/Tm Tech:
Sep2 DT/Tm Tech:
Prep Tech:

Work Ord, Lot, Sample Date	Total Amt/Unit	Total Acidified/Unit	Initial Aliquot Amt/Unit	Adj Aliq Amt (Un-Acidified)	QC Tracer Prep Date	Tracer Yield	Dish Size	Ppt or Geometry	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:

```
MXFXJ1AC-SAMP Calc Info:
    Uncert Level (#s).: 2    Decay to SaDt: Y    Blk Subt.: N    Sci.Not.: Y    ODRs: B
MXFXJ1CE-MS Calc Info:
    Uncert Level (#s).: 2    Decay to SaDt: Y    Blk Subt.: N    Sci.Not.: Y    ODRs: B
MXF2C1AA-BLK:
    Uncert Level (#s).: 2    Decay to SaDt: Y    Blk Subt.: N    Sci.Not.: Y    ODRs: B
MXF2C1AC-LCS:
    Uncert Level (#s).: 2    Decay to SaDt: Y    Blk Subt.: N    Sci.Not.: Y    ODRs: B
```