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 1/23/13
INITIAL/DATE

COMMENTS:

SDG J01665 SAF-RC-207

Rad only ☑ Chem only Rad & Chem

☑ Complete Partial

Sample Location: 100-C-7:1

Analytical Data Package Prepared For

Washington Closure Hanford

Radiochemical Analysis By

TestAmerica

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

Assigned Laboratory Code: TARL

Data Package Contains 63 *Pages*

Report No.: 54300

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.
J01665	RC-207	J1R7V9	J3A140421-3	MXVVE1AC	9MXVVE10	3014060
		J1R8C5	J3A140419-1	MXVTK1AC	9MXVTK10	3014057
		J1R8C6	J3A140419-2	MXVTL1AC	9MXVTL10	3014057
		J1R8C7	J3A140419-3	MXVTM1AC	9MXVTM10	3014057
		J1R8C8	J3A140419-4	MXVTN1AC	9MXVTN10	3014057
		J1R8C9	J3A140419-5	MXVTP1AC	9MXVTP10	3014057
		J1R8D0	J3A140419-6	MXVTQ1AC	9MXVTQ10	3014057
		J1R8D1	J3A140419-7	MXVTR1AC	9MXVTR10	3014057
		J1R8D2	J3A140419-8	MXVTT1AC	9MXVTT10	3014057
		J1R8D3	J3A140419-9	MXVTV1AC	9MXVTV10	3014057
		J1R8D4	J3A140419-10	MXVTW1AC	9MXVTW10	3014057
	RC-207	J1R8D5	J3A140421-1	MXVT91AC	9MXVT910	3014060
		J1R8D6	J3A140421-2	MXVVD1AC	9MXVVD10	3014060
		J1R8F9	J3A140415-1	MXVQ71AC	9MXVQ710	3014046
		J1R8H0	J3A140415-2	MXVQ81AC	9MXVQ810	3014046
		J1R8H1	J3A140415-3	MXVQ91AC	9MXVQ910	3014046
		J1R8H2	J3A140415-4	MXVRA1AC	9MXVRA10	3014046
		J1R8H3	J3A140415-5	MXVRC1AC	9MXVRC10	3014046

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Certificate of Analysis

TestAmerica Laboratories, Inc.

Washington Closure Hanford
2620 Fermi Avenue
Richland, WA 99354

January 18, 2013

Attention: Joan Kessner

SAF Number	:	RC-207
Date SDG Closed	:	January 18, 2013
Number of Samples	:	Eighteen (18)
Sample Type	:	Soil
SDG Number	:	J01665
Data Deliverable	:	Quick Turn Metals / Summary

CASE NARRATIVE

I. Introduction

On January 14, 2013, eighteen 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
J1R8F9	MXVQ7	SOIL	1/14/13
J1R8H0	MXVQ8	SOIL	1/14/13
J1R8H1	MXVQ9	SOIL	1/14/13
J1R8H2	MXVRA	SOIL	1/14/13
J1R8H3	MXVRC	SOIL	1/14/13
J1R8C5	MXVTK	SOIL	1/14/13
J1R8C6	MXVTL	SOIL	1/14/13
J1R8C7	MXVTM	SOIL	1/14/13
J1R8C8	MXVTN	SOIL	1/14/13
J1R8C9	MXVTP	SOIL	1/14/13
J1R8D0	MXVTQ	SOIL	1/14/13
J1R8D1	MXVTR	SOIL	1/14/13
J1R8D2	MXVTT	SOIL	1/14/13
J1R8D3	MXVTV	SOIL	1/14/13
J1R8D4	MXVTW	SOIL	1/14/13
J1R8D5	MXVT9	SOIL	1/14/13
J1R8D6	MXVVD	SOIL	1/14/13
J1R7V9	MXVVE	SOIL	1/14/13

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 J01665 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
Three batches were analyzed for the samples with the standard metal request list.

Batch 3014047:
The MS and MSD agreement for Barium is not within the acceptance limits. All other batch QC is within the acceptance criteria. Except as noted The LCS, batch blank, samples, sample duplicate, MS, MSD, ICB, ICV, CCB and CCV results are within contractual limits.

Batch 3014055:
The LCS, batch blank, samples, sample duplicate, MS, MSD, ICB, ICV, CCB and CCV results are within contractual limits.

Batch 3014058:
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
Three batches were analyzed.

Batch 3014046:
The matrix spike recovered low at 74%. The post digestive matrix spike recovered at 95% and the insoluble matrix spike recovered at 97%. 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 (J1R8F9) and sample matrix spike (J1R8F9) results are within contractual requirements.

Batch 3014057:
The LCS, batch blank, samples, sample duplicate (J1R8C5) and sample matrix spike (J1R8C5) results are within contractual requirements.

Batch 3014060:
The LCS, batch blank, samples, sample duplicate (J1R8D5) and sample matrix spike (J1R8D5) 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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rptGeneralInfo v3.72

Sample Results Summary

TestAmerica TARL

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

Date: 18-Jan-13

Report No. : 54300

SDG No: J01665

Batch	Client Id Work Order	Parameter	Result +- Uncertainty (2s)	Qual	Units	Tracer Yield	MDL	CRDL	RPD
3014046 7196_CR6									
J1R8F9									
	MXVQ71AC	HEXCHROME	1.55E-01 +- 0.0E+00	U	mg/kg	N/A	1.55E-01	1.55E-01	
	MXVQ71AM	HEXCHROME	1.55E-01 +- 0.0E+00	U	mg/kg	N/A	1.55E-01	3.50E-01	0.0
J1R8H0									
	MXVQ81AC	HEXCHROME	1.55E-01 +- 0.0E+00	U	mg/kg	N/A	1.55E-01	1.55E-01	
J1R8H1									
	MXVQ91AC	HEXCHROME	1.55E-01 +- 0.0E+00	U	mg/kg	N/A	1.55E-01	1.55E-01	
J1R8H2									
	MXVRA1AC	HEXCHROME	1.55E-01 +- 0.0E+00	U	mg/kg	N/A	1.55E-01	1.55E-01	
J1R8H3									
	MXVRC1AC	HEXCHROME	1.55E-01 +- 0.0E+00	U	mg/kg	N/A	1.55E-01	1.55E-01	
3014057 7196_CR6									
J1R8C5									
	MXVTK1AC	HEXCHROME	1.55E-01 +- 0.0E+00	U	mg/kg	N/A	1.55E-01	1.55E-01	
	MXVTK1CF	HEXCHROME	1.55E-01 +- 0.0E+00	U	mg/kg	N/A	1.55E-01	3.50E-01	0.0
J1R8C6									
	MXVTL1AC	HEXCHROME	9.71E-01 +- 0.0E+00		mg/kg	N/A	1.55E-01	1.55E-01	
J1R8C7									
	MXVTM1AC	HEXCHROME	1.24E+00 +- 0.0E+00		mg/kg	N/A	1.55E-01	1.55E-01	
J1R8C8									
	MXVTN1AC	HEXCHROME	1.55E-01 +- 0.0E+00	U	mg/kg	N/A	1.55E-01	1.55E-01	
J1R8C9									
	MXVTP1AC	HEXCHROME	9.56E+00 +- 0.0E+00		mg/kg	N/A	1.55E-01	1.55E-01	
J1R8D0									
	MXVTQ1AC	HEXCHROME	1.31E+00 +- 0.0E+00		mg/kg	N/A	1.55E-01	1.55E-01	
J1R8D1									
	MXVTR1AC	HEXCHROME	6.50E+00 +- 0.0E+00		mg/kg	N/A	1.55E-01	1.55E-01	
J1R8D2									
	MXVTT1AC	HEXCHROME	1.10E+00 +- 0.0E+00		mg/kg	N/A	1.55E-01	1.55E-01	
J1R8D3									
	MXVTV1AC	HEXCHROME	1.18E+00 +- 0.0E+00		mg/kg	N/A	1.55E-01	1.55E-01	
J1R8D4									
	MXVTW1AC	HEXCHROME	2.33E-01 +- 0.0E+00		mg/kg	N/A	1.55E-01	1.55E-01	
3014060 7196_CR6									
J1R7V9									
	MXVVE1AC	HEXCHROME	2.74E+01 +- 0.0E+00		mg/kg	N/A	1.55E-01	1.55E-01	
J1R8D5									
	MXVT91AC	HEXCHROME	1.55E-01 +- 0.0E+00	U	mg/kg	N/A	1.55E-01	1.55E-01	

TestAmerica

rptSTLRchSaSummary2 V5.2.23 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

TestAmerica TARL

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

Date: 18-Jan-13

Report No. : 54300

SDG No: J01665

Batch	Client Id Work Order	Parameter	Result +- Uncertainty (2s)	Qual	Units	Tracer Yield	MDL	CRDL	RPD
3014060	7196_CR6								
	J1R8D5								
	MXVT91CF	HEXCHROME	1.55E-01 +- 0.0E+00	U	mg/kg	N/A	1.55E-01	3.50E-01	0.0
	J1R8D6								
	MXVVD1AC	HEXCHROME	2.79E+00 +- 0.0E+00		mg/kg	N/A	1.55E-01	1.55E-01	

No. of Results: 21

TestAmerica

rptSTLRchSaSummary2 V5.2.23 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

Date: 18-Jan-13

TestAmerica TARL

Ordered by Method, Batch No, QC Type,.

Report No. : 54300

SDG No.: J01665

Batch Work Order	Parameter	Result +- Uncertainty (2s)	Qual	Units	Tracer Yield	LCS Recovery	Bias	MDL
7196_CR6								
3014046 MATRIX SPIKE, J1R8F9								
MXVQ71AL	HEXCHROME	2.22E+01 +- 0.0E+00		mg/kg	N/A	74%	-0.3	1.55E-01
3014046 LCS,								
MXVRV1AC	HEXCHROME	1.81E+01 +- 0.0E+00		mg/kg	N/A	95%	0.0	1.55E-01
3014046 BLANK QC,								
MXVRV1AA	HEXCHROME	1.55E-01 +- 0.0E+00	U	mg/kg	N/A			1.55E-01
7196_CR6								
3014057 MATRIX SPIKE, J1R8C5								
MXVTK1CE	HEXCHROME	2.65E+01 +- 0.0E+00		mg/kg	N/A	89%	-0.1	1.55E-01
3014057 LCS,								
MXVVF1AC	HEXCHROME	1.79E+01 +- 0.0E+00		mg/kg	N/A	94%	-0.1	1.55E-01
3014057 BLANK QC,								
MXVVF1AA	HEXCHROME	1.55E-01 +- 0.0E+00	U	mg/kg	N/A			1.55E-01
7196_CR6								
3014060 MATRIX SPIKE, J1R8D5								
MXVT91CE	HEXCHROME	2.54E+01 +- 0.0E+00		mg/kg	N/A	87%	-0.1	1.55E-01
3014060 LCS,								
MXVVK1AC	HEXCHROME	1.80E+01 +- 0.0E+00		mg/kg	N/A	95%	-0.1	1.55E-01
3014060 BLANK QC,								
MXVVK1AA	HEXCHROME	1.55E-01 +- 0.0E+00	U	mg/kg	N/A			1.55E-01

No. of Results: 9

TestAmerica

rptSTLRchQcSummary V5.2.23 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: 18-Jan-13

Lab Name:	**TestAmerica**	**SDG:**	J01665	**Collection Date:**	1/14/2013 2:15:00 PM
Lot-Sample No.:	**J3A140421-3**	**Report No. :**	54300	**Received Date:**	1/14/2013 4:14:00 PM
Client Sample ID:	**J1R7V9**	**COC No. :**	RC-207-148	**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: 3014060	7196_CR6			**Work Order:** MXVVE1AC			**Report DB ID:** 9MXVVE10					
HEXCHROME	**2.74E+01**			0.0E+00	1.55E-01	mg/kg	N/A	*(176.5)*	1/14/13 05:30 p		2.4967	
							1.55E-01	*N/A*			g	

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

TestAmerica
rptSTLRchSample
V5.2.23 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: 18-Jan-13

Lab Name:	**TestAmerica**	**SDG:**	J01665	**Collection Date:**	1/14/2013 1:15:00 PM
Lot-Sample No.:	**J3A140419-1**	**Report No. :**	54300	**Received Date:**	1/14/2013 3:30:00 PM
Client Sample ID:	**J1R8C5**	**COC No. :**	RC-207-152	**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: 3014057	7196_CR6			**Work Order:** MXVTK1AC			**Report DB ID:** 9MXVTK10					
HEXCHROME	**1.55E-01**	U		0.0E+00	1.55E-01	mg/kg	N/A	*1.*	1/14/13 05:30 p		2.4905	
							1.55E-01	*N/A*			g	

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

TestAmerica
rptSTLRchSample
V5.2.23 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: 18-Jan-13

Lab Name:	**TestAmerica**	**SDG:**	J01665	**Collection Date:**	1/14/2013 1:20:00 PM
Lot-Sample No.:	**J3A140419-2**	**Report No. :**	54300	**Received Date:**	1/14/2013 3:30:00 PM
Client Sample ID:	**J1R8C6**	**COC No. :**	RC-207-152	**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: 3014057	7196_CR6			**Work Order:**	MXVTL1AC		**Report DB ID:**	9MXVTL10				
HEXCHROME	**9.71E-01**			0.0E+00	1.55E-01	mg/kg	N/A	*(6.3)*	1/14/13 05:30 p		2.5512	
							1.55E-01	*N/A*			g	

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

TestAmerica
rptSTLRchSample
V5.2.23 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: 18-Jan-13

Lab Name:	TestAmerica	**SDG:**	J01665	**Collection Date:**	1/14/2013 1:25:00 PM
Lot-Sample No.:	J3A140419-3	**Report No. :**	54300	**Received Date:**	1/14/2013 3:30:00 PM
Client Sample ID:	J1R8C7	**COC No. :**	RC-207-152	**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: 3014057	7196_CR6			**Work Order:** MXVTM1AC			**Report DB ID:** 9MXVTM10					
HEXCHROME	1.24E+00			0.0E+00	1.55E-01	mg/kg	N/A	*(8.)*	1/14/13 05:30 p		2.5382	
							1.55E-01	*N/A*			g	

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

TestAmerica
rptSTLRchSample
V5.2.23 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: 18-Jan-13

Lab Name:	**TestAmerica**	**SDG:**	J01665	**Collection Date:**	1/14/2013 1:30:00 PM
Lot-Sample No.:	**J3A140419-4**	**Report No. :**	54300	**Received Date:**	1/14/2013 3:30:00 PM
Client Sample ID:	**J1R8C8**	**COC No. :**	RC-207-152	**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: 3014057	7196_CR6			**Work Order:**	MXVTN1AC		**Report DB ID:**	9MXVTN10				
HEXCHROME	**1.55E-01**	U		0.0E+00	1.55E-01	mg/kg	N/A	*1.*	1/14/13 05:30 p		2.518	
							1.55E-01	*N/A*			g	

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

TestAmerica
rptSTLRchSample
V5.2.23 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: 18-Jan-13

Lab Name:	**TestAmerica**	**SDG:**	J01665	**Collection Date:**	1/14/2013 1:35:00 PM
Lot-Sample No.:	**J3A140419-5**	**Report No. :**	54300	**Received Date:**	1/14/2013 3:30:00 PM
Client Sample ID:	**J1R8C9**	**COC No. :**	RC-207-152	**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: 3014057	7196_CR6			**Work Order:** MXVTP1AC			**Report DB ID:** 9MXVTP10					
HEXCHROME	**9.56E+00**			0.0E+00	1.55E-01	mg/kg	N/A	*(61.7)*	1/14/13 05:30 p		2.5248	
							1.55E-01	*N/A*			g	

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

TestAmerica
rptSTLRchSample
V5.2.23 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: 18-Jan-13

Lab Name:	**TestAmerica**	**SDG:**	J01665	**Collection Date:**	1/14/2013 1:40:00 PM
Lot-Sample No.:	**J3A140419-6**	**Report No. :**	54300	**Received Date:**	1/14/2013 3:30:00 PM
Client Sample ID:	**J1R8D0**	**COC No. :**	RC-207-152	**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: 3014057	7196_CR6			**Work Order:**	MXVTQ1AC		**Report DB ID:**	9MXVTQ10				
HEXCHROME	**1.31E+00**			0.0E+00	1.55E-01	mg/kg	N/A	*(8.5)*	1/14/13 05:30 p		2.5423	
							1.55E-01	*N/A*			g	

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

TestAmerica
rptSTLRchSample
V5.2.23 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: 18-Jan-13

Lab Name:	**TestAmerica**	**SDG:**	J01665	**Collection Date:**	1/14/2013 1:45:00 PM
Lot-Sample No.:	**J3A140419-7**	**Report No. :**	54300	**Received Date:**	1/14/2013 3:30:00 PM
Client Sample ID:	**J1R8D1**	**COC No. :**	RC-207-152	**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: 3014057	7196_CR6			**Work Order:**	MXVTR1AC		**Report DB ID:**	9MXVTR10				
HEXCHROME	**6.50E+00**			0.0E+00	1.55E-01	mg/kg	N/A	*(41.9)*	1/14/13 05:30 p		2.4903	
							1.55E-01	*N/A*			g	

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

TestAmerica
rptSTLRchSample
V5.2.23 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: 18-Jan-13

Lab Name:	**TestAmerica**	**SDG:**	J01665	**Collection Date:**	1/14/2013 1:50:00 PM
Lot-Sample No.:	**J3A140419-8**	**Report No. :**	54300	**Received Date:**	1/14/2013 3:30:00 PM
Client Sample ID:	**J1R8D2**	**COC No. :**	RC-207-152	**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: 3014057	7196_CR6			**Work Order:**	MXVTT1AC		**Report DB ID:**	9MXVTT10				
HEXCHROME	**1.10E+00**			0.0E+00	1.55E-01	mg/kg	N/A	*(7.1)*	1/14/13 05:30 p		2.5316	
							1.55E-01	*N/A*			g	

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

TestAmerica
rptSTLRchSample
V5.2.23 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: 18-Jan-13

Lab Name:	**TestAmerica**	**SDG:**	J01665	**Collection Date:**	1/14/2013 1:55:00 PM
Lot-Sample No.:	**J3A140419-9**	**Report No. :**	54300	**Received Date:**	1/14/2013 3:30:00 PM
Client Sample ID:	**J1R8D3**	**COC No. :**	RC-207-152	**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: 3014057	7196_CR6			**Work Order:**	MXVTV1AC		**Report DB ID:**	9MXVTV10				
HEXCHROME	**1.18E+00**			0.0E+00	1.55E-01	mg/kg	N/A	*(7.6)*	1/14/13 05:30 p		2.4929	
							1.55E-01	*N/A*			g	

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

TestAmerica
rptSTLRchSample
V5.2.23 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: 18-Jan-13

Lab Name:	**TestAmerica**	**SDG:**	J01665	**Collection Date:**	1/14/2013 2:00:00 PM
Lot-Sample No.:	**J3A140419-10**	**Report No. :**	54300	**Received Date:**	1/14/2013 3:30:00 PM
Client Sample ID:	**J1R8D4**	**COC No. :**	RC-207-152	**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: 3014057	7196_CR6			**Work Order:**	MXVTW1AC		**Report DB ID:**	9MXVTW10				
HEXCHROME	**2.33E-01**			0.0E+00	1.55E-01	mg/kg	N/A	*(1.5)*	1/14/13 05:30 p		2.5424	
							1.55E-01	*N/A*			g	

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

TestAmerica
rptSTLRchSample
V5.2.23 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: 18-Jan-13

Lab Name:	TestAmerica	**SDG:**	J01665	**Collection Date:**	1/14/2013 2:05:00 PM
Lot-Sample No.:	J3A140421-1	**Report No. :**	54300	**Received Date:**	1/14/2013 4:14:00 PM
Client Sample ID:	J1R8D5	**COC No. :**	RC-207-152	**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: 3014060	7196_CR6			**Work Order:**	MXVT91AC		**Report DB ID:**	9MXVT910				
HEXCHROME	**1.55E-01**	U		0.0E+00	1.55E-01	mg/kg	N/A	*1.*	1/14/13 05:30 p		2.496	
							1.55E-01	*N/A*			g	

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

TestAmerica
rptSTLRchSample
V5.2.23 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: 18-Jan-13

Lab Name:	**TestAmerica**	**SDG:**	J01665	**Collection Date:**	1/14/2013 2:10:00 PM
Lot-Sample No.:	**J3A140421-2**	**Report No. :**	54300	**Received Date:**	1/14/2013 4:14:00 PM
Client Sample ID:	**J1R8D6**	**COC No. :**	RC-207-152	**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: 3014060	7196_CR6			**Work Order:**	MXVVD1AC		**Report DB ID:**	9MXVVD10				
HEXCHROME	**2.79E+00**			0.0E+00	1.55E-01	mg/kg	N/A	*(18.)*	1/14/13 05:30 p		2.5089	
							1.55E-01	*N/A*			g	

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

TestAmerica
rptSTLRchSample
V5.2.23 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: 18-Jan-13

Lab Name:	**TestAmerica**	**SDG:**	J01665	**Collection Date:**	1/14/2013 9:40:00 AM
Lot-Sample No.:	**J3A140415-1**	**Report No. :**	54300	**Received Date:**	1/14/2013 1:37:00 PM
Client Sample ID:	**J1R8F9**	**COC No. :**	RC-207-154	**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: 3014046	7196_CR6			**Work Order:**	MXVQ71AC		**Report DB ID:**	9MXVQ710				
HEXCHROME	**1.55E-01**	U		0.0E+00	1.55E-01	mg/kg	N/A	*1.*	1/14/13 03:45 p		2.5074	
							1.55E-01	*N/A*			g	

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

TestAmerica
rptSTLRchSample
V5.2.23 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: 18-Jan-13

Lab Name:	**TestAmerica**	**SDG:**	J01665	**Collection Date:**	1/14/2013 9:45:00 AM
Lot-Sample No.:	**J3A140415-2**	**Report No. :**	54300	**Received Date:**	1/14/2013 1:37:00 PM
Client Sample ID:	**J1R8H0**	**COC No. :**	RC-207-154	**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: 3014046	7196_CR6			**Work Order:**	MXVQ81AC		**Report DB ID:**	9MXVQ810				
HEXCHROME	**1.55E-01**	U		0.0E+00	1.55E-01	mg/kg	N/A	*1.*	1/14/13 03:45 p		2.5029	
							1.55E-01	*N/A*			g	

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

TestAmerica
rptSTLRchSample
V5.2.23 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: 18-Jan-13

Lab Name:	**TestAmerica**	**SDG:**	J01665	**Collection Date:**	1/14/2013 9:50:00 AM
Lot-Sample No.:	**J3A140415-3**	**Report No. :**	54300	**Received Date:**	1/14/2013 1:37:00 PM
Client Sample ID:	**J1R8H1**	**COC No. :**	RC-207-154	**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: 3014046	7196_CR6			**Work Order:**	MXVQ91AC		**Report DB ID:**	9MXVQ910				
HEXCHROME	**1.55E-01**	U		0.0E+00	1.55E-01	mg/kg	N/A	*1.*	1/14/13 03:45 p		2.5106	
							1.55E-01	*N/A*			g	

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

TestAmerica
rptSTLRchSample
V5.2.23 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: 18-Jan-13

Lab Name:	**TestAmerica**	**SDG:**	J01665	**Collection Date:**	1/14/2013 9:55:00 AM
Lot-Sample No.:	**J3A140415-4**	**Report No. :**	54300	**Received Date:**	1/14/2013 1:37:00 PM
Client Sample ID:	**J1R8H2**	**COC No. :**	RC-207-154	**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: 3014046	7196_CR6			**Work Order:**	MXVRA1AC		**Report DB ID:**	9MXVRA10				
HEXCHROME	**1.55E-01**	U		0.0E+00	1.55E-01	mg/kg	N/A	*1.*	1/14/13 03:45 p		2.5086	
							1.55E-01	*N/A*			g	

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

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: 18-Jan-13

Lab Name:	**TestAmerica**	**SDG:**	J01665	**Collection Date:**	1/14/2013 10:00:00 AM
Lot-Sample No.:	**J3A140415-5**	**Report No. :**	54300	**Received Date:**	1/14/2013 1:37:00 PM
Client Sample ID:	**J1R8H3**	**COC No. :**	RC-207-154	**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: 3014046	7196_CR6			**Work Order:**	MXVRC1AC		**Report DB ID:**	9MXVRC10				
HEXCHROME	**1.55E-01**	U		0.0E+00	1.55E-01	mg/kg	N/A	*1.*	1/14/13 03:45 p		2.505	
							1.55E-01	*N/A*			g	

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

TestAmerica
rptSTLRchSample
V5.2.23 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: 18-Jan-13

DUPLICATE RESULTS

Lab Name:	**TestAmerica**	**SDG:**	J01665	**Collection Date:**	1/14/2013 1:15:00 PM
Lot-Sample No.:	**J3A140419-1**	**Report No. :**	54300	**Received Date:**	1/14/2013 3:30:00 PM
Client Sample ID:	**J1R8C5**	**COC No. :**	RC-207-152	**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: 3014057	7196_CR6			**Work Order:** MXVTK1CF		**Report DB ID:** MXVTK1ER			**Orig Sa DB ID:** 9MXVTK10			
HEXCHROME	1.55E-01	U		0.0E+00	1.55E-01	mg/kg	N/A	1.	1/14/13 05:30 p		2.5409	
	1.55E-01	U	**RPD**	**0.0**		3.50E-01		N/A			g	

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

TestAmerica
rptSTLRchDupV5.
2.23 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: 18-Jan-13

DUPLICATE RESULTS

Lab Name:	**TestAmerica**	**SDG:**	J01665	**Collection Date:**	1/14/2013 2:05:00 PM
Lot-Sample No.:	**J3A140421-1**	**Report No. :**	54300	**Received Date:**	1/14/2013 4:14:00 PM
Client Sample ID:	**J1R8D5**	**COC No. :**	RC-207-152	**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: 3014060	7196_CR6			**Work Order:** MXVT91CF		**Report DB ID:** MXVT91ER			**Orig Sa DB ID:** 9MXVT910			
HEXCHROME	1.55E-01	U		0.0E+00	1.55E-01	mg/kg	N/A	1.	1/14/13 05:30 p		2.5053	
	1.55E-01	U	**RPD**	**0.0**		3.50E-01		N/A			g	

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

TestAmerica
rptSTLRchDupV5.
2.23 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: 18-Jan-13

DUPLICATE RESULTS

Lab Name:	**TestAmerica**	**SDG:**	J01665	**Collection Date:**	1/14/2013 9:40:00 AM
Lot-Sample No.:	**J3A140415-1**	**Report No. :**	54300	**Received Date:**	1/14/2013 1:37:00 PM
Client Sample ID:	**J1R8F9**	**COC No. :**	RC-207-154	**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: 3014046	7196_CR6			**Work Order:** MXVQ71AM		**Report DB ID:** MXVQ71ER			**Orig Sa DB ID:** 9MXVQ710			
HEXCHROME	1.55E-01	U		0.0E+00	1.55E-01	mg/kg	N/A	1.	1/14/13 03:45 p		2.5081	
	1.55E-01	U	**RPD**	**0.0**		3.50E-01		N/A			g	

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

TestAmerica
rptSTLRchDupV5.
2.23 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: 18-Jan-13

Lab Name: TestAmerica

Matrix: SOIL

SDG: J01665

Report No. : 54300

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: 3014046	7196_CR6			**Work Order:**	MXVRV1AA		**Report DB ID:**	MXVRV1AB				
HEXCHROME	1.55E-01	U		0.0E+00	1.55E-01	mg/kg	N/A	1.	1/14/13 03:45 p		2.5	
						1.55E-01		N/A			g	
Batch: 3014057	7196_CR6			**Work Order:**	MXVVF1AA		**Report DB ID:**	MXVVF1AB				
HEXCHROME	1.55E-01	U		0.0E+00	1.55E-01	mg/kg	N/A	1.	1/14/13 05:30 p		2.5	
						1.55E-01		N/A			g	
Batch: 3014060	7196_CR6			**Work Order:**	MXVVK1AA		**Report DB ID:**	MXVVK1AB				
HEXCHROME	1.55E-01	U		0.0E+00	1.55E-01	mg/kg	N/A	1.	1/14/13 05:30 p		2.5	
						1.55E-01		N/A			g	

No. of Results: 3 **Comments:**

TestAmerica
rptSTLRchBlank
V5.2.23 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: 18-Jan-13

Lab Name: TestAmerica

Matrix: SOIL

SDG: J01665

Report No. : 54300

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: 3014046	7196_CR6			**Work Order:**	MXVRV1AC		**Report DB ID:**	MXVRV1AS					
HEXCHROME	1.81E+01			0.0E+00	1.55E-01	mg/kg	N/A	1.90E+01		95%	1/14/13 03:45 p	2.5	
							Rec Limits:	80	120	0.0		g	
Batch: 3014057	7196_CR6			**Work Order:**	MXVVF1AC		**Report DB ID:**	MXVVF1AS					
HEXCHROME	1.79E+01			0.0E+00	1.55E-01	mg/kg	N/A	1.90E+01		94%	1/14/13 05:30 p	2.5	
							Rec Limits:	80	120	-0.1		g	
Batch: 3014060	7196_CR6			**Work Order:**	MXVVK1AC		**Report DB ID:**	MXVVK1AS					
HEXCHROME	1.80E+01			0.0E+00	1.55E-01	mg/kg	N/A	1.90E+01		95%	1/14/13 05:30 p	2.5	
							Rec Limits:	80	120	-0.1		g	

No. of Results: 3 **Comments:**

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

rptSTLRchLcs
V5.2.23 A2002

FORM II

MATRIX SPIKE RESULTS

Date: 18-Jan-13

Lab Name: TestAmerica **SDG:** J01665

Lot-Sample No.: J3A140415-1, J1R8F9 **Report No. :** 54300 **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: 3014046	**Work Order:** MXVQ71AL			**Report DB ID:** MXVQ71CW			**Orig Sa DB ID:** 9MXVQ710					
HEXCHROME	2.22E+01			0.0E+00	1.55E-01	mg/kg	N/A	74.39%	2.98E+01	1/14/13 03:45 p	2.4984	7196_CR6
	1.55E-01										g	

Number of Results: 1

Comments:

TestAmerica
rptSTLRchMs
V5.2.23 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: 18-Jan-13

Lab Name: TestAmerica **SDG:** J01665

Lot-Sample No.: J3A140419-1, J1R8C5 **Report No. :** 54300 **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: 3014057	**Work Order:** MXVTK1CE			**Report DB ID:** MXVTK1CW			**Orig Sa DB ID:** 9MXVTK10					
HEXCHROME	2.65E+01			0.0E+00	1.55E-01	mg/kg	N/A	88.94%	2.98E+01	1/14/13 05:30 p	2.5034	7196_CR6
	1.55E-01										g	

Number of Results: 1

Comments:

TestAmerica
rptSTLRchMs
V5.2.23 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: 18-Jan-13

Lab Name: TestAmerica **SDG:** J01665

Lot-Sample No.: J3A140421-1, J1R8D5 **Report No. :** 54300 **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: 3014060	**Work Order:** MXVT91CE			**Report DB ID:** MXVT91CW			**Orig Sa DB ID:** 9MXVT910					
HEXCHROME	2.54E+01			0.0E+00	1.55E-01	mg/kg	N/A	86.87%	2.92E+01	1/14/13 05:30 p	2.5463	7196_CR6
	1.55E-01										g	

Number of Results: 1

Comments:

TestAmerica
rptSTLRchMs
V5.2.23 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: J01665
SAF: RC-207
BATCH: 3014047
MATRIX: SOIL
ANALYSIS DATE: 1/14/13

Client_id	Matrix	Result_	Cas_nbr	Parameter	Result	Qualifier	Units	Reporting_Limits_S	Reporting_Limits	Uncertainty_1s	Analyzed_	Analyz	Decision_level_lc	LCSReco	Adde	Analysis_date_time	Batch_nbr	Test_Metl	Lab_sample_id
J1R8F9	**SOIL**	**CS**	**7440-22-4**	**Ag**	**-1.93E-01**	**U**	**UG/G**	9.95E+00	9.95E+00	1.90E-01	0.2513	G	1.59E-01			1/14/2013 20:36	3014047	46DQ	MXVQ71A0
J1R8F9	**SOIL**	**CS**	**7440-38-2**	**As**	**2.59E-01**	**U**	**UG/G**	9.95E+00	9.95E+00	7.30E-01	0.2513	G	5.99E-01			1/14/2013 20:36	3014047	46DQ	MXVQ71A0
J1R8F9	**SOIL**	**CS**	**7440-39-3**	**Ba**	**4.70E+01**		**UG/G**	1.99E+00	1.99E+00	2.30E-01	0.2513	G	1.89E-01			1/14/2013 20:36	3014047	46DQ	MXVQ71A0
J1R8F9	**SOIL**	**CS**	**7440-41-7**	**Beryllium**	**1.57E-01**		**UG/G**	9.95E-02	9.95E-02	3.20E-03	0.2513	G	2.61E-03			1/14/2013 20:36	3014047	46DQ	MXVQ71A0
J1R8F9	**SOIL**	**CS**	**7440-43-9**	**Cadmium**	**1.28E-01**	**U**	**UG/G**	1.99E+00	1.99E+00	1.50E-02	0.2513	G	1.26E-02			1/14/2013 20:36	3014047	46DQ	MXVQ71A0
J1R8F9	**SOIL**	**CS**	**7440-47-3**	**Chromium**	**2.21E+00**	**U**	**UG/G**	9.95E+00	9.95E+00	3.50E-02	0.2513	G	2.84E-02			1/14/2013 20:36	3014047	46DQ	MXVQ71A0
J1R8F9	**SOIL**	**CS**	**7439-92-1**	**Lead**	**1.67E+00**	**U**	**UG/G**	9.95E+00	9.95E+00	3.10E-01	0.2513	G	2.55E-01			1/14/2013 20:36	3014047	46DQ	MXVQ71A0
J1R8F9	**SOIL**	**CS**	**7782-49-2**	**Se**	**-2.06E-01**	**U**	**UG/G**	9.95E+00	9.95E+00	1.80E-01	0.2513	G	1.45E-01			1/14/2013 20:36	3014047	46DQ	MXVQ71A0
J1R8H0	**SOIL**	**CS**	**7440-22-4**	**Ag**	**-1.78E-01**	**U**	**UG/G**	9.98E+00	9.98E+00	9.60E-02	0.2504	G	7.89E-02			1/14/2013 20:55	3014047	46DQ	MXVQ81AA
J1R8H0	**SOIL**	**CS**	**7440-38-2**	**As**	**5.36E-01**	**U**	**UG/G**	9.98E+00	9.98E+00	2.30E-01	0.2504	G	1.87E-01			1/14/2013 20:55	3014047	46DQ	MXVQ81AA
J1R8H0	**SOIL**	**CS**	**7440-39-3**	**Ba**	**5.62E+01**		**UG/G**	2.00E+00	2.00E+00	1.20E-01	0.2504	G	9.70E-02			1/14/2013 20:55	3014047	46DQ	MXVQ81AA
J1R8H0	**SOIL**	**CS**	**7440-41-7**	**Beryllium**	**2.25E-01**		**UG/G**	9.98E-02	9.98E-02	1.10E-02	0.2504	G	9.20E-03			1/14/2013 20:55	3014047	46DQ	MXVQ81AA
J1R8H0	**SOIL**	**CS**	**7440-43-9**	**Cadmium**	**1.41E-01**	**U**	**UG/G**	2.00E+00	2.00E+00	2.20E-02	0.2504	G	1.84E-02			1/14/2013 20:55	3014047	46DQ	MXVQ81AA
J1R8H0	**SOIL**	**CS**	**7440-47-3**	**Chromium**	**2.96E+00**	**U**	**UG/G**	9.98E+00	9.98E+00	4.20E-02	0.2504	G	3.44E-02			1/14/2013 20:55	3014047	46DQ	MXVQ81AA
J1R8H0	**SOIL**	**CS**	**7439-92-1**	**Lead**	**2.06E+00**	**U**	**UG/G**	9.98E+00	9.98E+00	2.00E-01	0.2504	G	1.64E-01			1/14/2013 20:55	3014047	46DQ	MXVQ81AA
J1R8H0	**SOIL**	**CS**	**7782-49-2**	**Se**	**-2.40E-01**	**U**	**UG/G**	9.98E+00	9.98E+00	4.70E-01	0.2504	G	3.84E-01			1/14/2013 20:55	3014047	46DQ	MXVQ81AA
J1R8H1	**SOIL**	**CS**	**7440-22-4**	**Ag**	**-1.72E-01**	**U**	**UG/G**	1.01E+01	1.01E+01	1.50E-01	0.2486	G	1.25E-01			1/14/2013 21:14	3014047	46DQ	MXVQ91AA
J1R8H1	**SOIL**	**CS**	**7440-38-2**	**As**	**3.45E-01**	**U**	**UG/G**	1.01E+01	1.01E+01	5.40E-01	0.2486	G	4.41E-01			1/14/2013 21:14	3014047	46DQ	MXVQ91AA
J1R8H1	**SOIL**	**CS**	**7440-39-3**	**Ba**	**4.57E+01**		**UG/G**	2.01E+00	2.01E+00	1.60E-01	0.2486	G	1.34E-01			1/14/2013 21:14	3014047	46DQ	MXVQ91AA
J1R8H1	**SOIL**	**CS**	**7440-41-7**	**Beryllium**	**1.79E-01**		**UG/G**	1.01E-01	1.01E-01	2.10E-02	0.2486	G	1.75E-02			1/14/2013 21:14	3014047	46DQ	MXVQ91AA
J1R8H1	**SOIL**	**CS**	**7440-43-9**	**Cadmium**	**1.19E-01**	**U**	**UG/G**	2.01E+00	2.01E+00	3.90E-02	0.2486	G	3.20E-02			1/14/2013 21:14	3014047	46DQ	MXVQ91AA
J1R8H1	**SOIL**	**CS**	**7440-47-3**	**Chromium**	**2.11E+00**	**U**	**UG/G**	1.01E+01	1.01E+01	1.80E-01	0.2486	G	1.45E-01			1/14/2013 21:14	3014047	46DQ	MXVQ91AA
J1R8H1	**SOIL**	**CS**	**7439-92-1**	**Lead**	**1.58E+00**	**U**	**UG/G**	1.01E+01	1.01E+01	2.70E-01	0.2486	G	2.21E-01			1/14/2013 21:14	3014047	46DQ	MXVQ91AA
J1R8H1	**SOIL**	**CS**	**7782-49-2**	**Se**	**-2.09E-01**	**U**	**UG/G**	1.01E+01	1.01E+01	6.40E-01	0.2486	G	5.25E-01			1/14/2013 21:14	3014047	46DQ	MXVQ91AA
J1R8H2	**SOIL**	**CS**	**7440-22-4**	**Ag**	**-1.05E-01**	**U**	**UG/G**	9.90E+00	9.90E+00	1.20E-01	0.2526	G	9.75E-02			1/14/2013 21:18	3014047	46DQ	MXVRA1AA
J1R8H2	**SOIL**	**CS**	**7440-38-2**	**As**	**6.34E-01**	**U**	**UG/G**	9.90E+00	9.90E+00	4.20E-01	0.2526	G	3.46E-01			1/14/2013 21:18	3014047	46DQ	MXVRA1AA
J1R8H2	**SOIL**	**CS**	**7440-39-3**	**Ba**	**5.29E+01**		**UG/G**	1.98E+00	1.98E+00	6.60E-02	0.2526	G	5.44E-02			1/14/2013 21:18	3014047	46DQ	MXVRA1AA
J1R8H2	**SOIL**	**CS**	**7440-41-7**	**Beryllium**	**1.70E-01**		**UG/G**	9.90E-02	9.90E-02	7.90E-03	0.2526	G	6.49E-03			1/14/2013 21:18	3014047	46DQ	MXVRA1AA
J1R8H2	**SOIL**	**CS**	**7440-43-9**	**Cadmium**	**1.03E-01**	**U**	**UG/G**	1.98E+00	1.98E+00	1.80E-02	0.2526	G	1.44E-02			1/14/2013 21:18	3014047	46DQ	MXVRA1AA
J1R8H2	**SOIL**	**CS**	**7440-47-3**	**Chromium**	**3.71E+00**	**U**	**UG/G**	9.90E+00	9.90E+00	5.50E-02	0.2526	G	4.56E-02			1/14/2013 21:18	3014047	46DQ	MXVRA1AA
J1R8H2	**SOIL**	**CS**	**7439-92-1**	**Lead**	**1.51E+00**	**U**	**UG/G**	9.90E+00	9.90E+00	4.00E-01	0.2526	G	3.32E-01			1/14/2013 21:18	3014047	46DQ	MXVRA1AA
J1R8H2	**SOIL**	**CS**	**7782-49-2**	**Se**	**-2.29E-01**	**U**	**UG/G**	9.90E+00	9.90E+00	6.50E-01	0.2526	G	5.33E-01			1/14/2013 21:18	3014047	46DQ	MXVRA1AA
J1R8H3	**SOIL**	**CS**	**7440-22-4**	**Ag**	**-2.28E-01**	**U**	**UG/G**	1.01E+01	1.01E+01	1.90E-01	0.2486	G	1.56E-01			1/14/2013 21:22	3014047	46DQ	MXVRC1AA
J1R8H3	**SOIL**	**CS**	**7440-38-2**	**As**	**2.61E-01**	**U**	**UG/G**	1.01E+01	1.01E+01	1.00E-01	0.2486	G	8.45E-02			1/14/2013 21:22	3014047	46DQ	MXVRC1AA
J1R8H3	**SOIL**	**CS**	**7440-39-3**	**Ba**	**5.45E+01**		**UG/G**	2.01E+00	2.01E+00	8.20E-02	0.2486	G	6.75E-02			1/14/2013 21:22	3014047	46DQ	MXVRC1AA
J1R8H3	**SOIL**	**CS**	**7440-41-7**	**Beryllium**	**2.16E-01**		**UG/G**	1.01E-01	1.01E-01	1.30E-02	0.2486	G	1.06E-02			1/14/2013 21:22	3014047	46DQ	MXVRC1AA
J1R8H3	**SOIL**	**CS**	**7440-43-9**	**Cadmium**	**1.26E-01**	**U**	**UG/G**	2.01E+00	2.01E+00	3.60E-03	0.2486	G	2.98E-03			1/14/2013 21:22	3014047	46DQ	MXVRC1AA
J1R8H3	**SOIL**	**CS**	**7440-47-3**	**Chromium**	**3.06E+00**	**U**	**UG/G**	1.01E+01	1.01E+01	2.30E-01	0.2486	G	1.93E-01			1/14/2013 21:22	3014047	46DQ	MXVRC1AA
J1R8H3	**SOIL**	**CS**	**7439-92-1**	**Lead**	**1.89E+00**	**U**	**UG/G**	1.01E+01	1.01E+01	9.40E-02	0.2486	G	7.70E-02			1/14/2013 21:22	3014047	46DQ	MXVRC1AA
J1R8H3	**SOIL**	**CS**	**7782-49-2**	**Se**	**-3.42E-01**	**U**	**UG/G**	1.01E+01	1.01E+01	3.40E-01	0.2486	G	2.76E-01			1/14/2013 21:22	3014047	46DQ	MXVRC1AA
INTRA-LAB BLANK	SOIL	BLK	7440-22-4	Ag	7.33E-04	U	MG/L	5.00E-02	5.00E-02	2.90E-04	0.2504	L	2.41E-04			1/14/2013 19:51	3014047	46DQ	MXVRX1AA
INTRA-LAB BLANK	SOIL	BLK	7440-38-2	As	-3.24E-04	U	MG/L	5.00E-02	5.00E-02	1.30E-03	0.2504	L	1.06E-03			1/14/2013 19:51	3014047	46DQ	MXVRX1AA
INTRA-LAB BLANK	SOIL	BLK	7440-39-3	Ba	8.63E-06	U	MG/L	1.00E-02	1.00E-02	4.60E-05	0.2504	L	3.79E-05			1/14/2013 19:51	3014047	46DQ	MXVRX1AA
INTRA-LAB BLANK	SOIL	BLK	7440-41-7	Beryllium	5.21E-05	U	MG/L	5.00E-04	5.00E-04	1.40E-05	0.2504	L	1.11E-05			1/14/2013 19:51	3014047	46DQ	MXVRX1AA
INTRA-LAB BLANK	SOIL	BLK	7440-43-9	Cadmium	2.01E-04	U	MG/L	1.00E-02	1.00E-02	8.90E-05	0.2504	L	7.31E-05			1/14/2013 19:51	3014047	46DQ	MXVRX1AA
INTRA-LAB BLANK	SOIL	BLK	7440-47-3	Chromium	2.33E-04	U	MG/L	5.00E-02	5.00E-02	6.60E-04	0.2504	L	5.45E-04			1/14/2013 19:51	3014047	46DQ	MXVRX1AA
INTRA-LAB BLANK	SOIL	BLK	7439-92-1	Lead	-1.38E-04	U	MG/L	5.00E-02	5.00E-02	8.80E-04	0.2504	L	7.24E-04			1/14/2013 19:51	3014047	46DQ	MXVRX1AA
INTRA-LAB BLANK	SOIL	BLK	7782-49-2	Se	6.62E-04	U	MG/L	5.00E-02	5.00E-02	5.00E-03	0.2504	L	4.10E-03			1/14/2013 19:51	3014047	46DQ	MXVRX1AA
INTRA-LAB CHECK	SOIL	LCS	7440-22-4	Ag	9.21E-01		MG/L	5.00E-02	5.00E-02	9.00E-03	0.2518	L	7.41E-03	0.92	1	1/14/2013 19:54	3014047	46DQ	MXVRX1AA
INTRA-LAB CHECK	SOIL	LCS	7440-38-2	As	9.56E-01		MG/L	5.00E-02	5.00E-02	1.90E-03	0.2518	L	1.56E-03	0.96	1	1/14/2013 19:54	3014047	46DQ	MXVRX1AA
INTRA-LAB CHECK	SOIL	LCS	7440-39-3	Ba	9.90E-01		MG/L	1.00E-02	1.00E-02	1.40E-02	0.2518	L	1.16E-02	0.99	1	1/14/2013 19:54	3014047	46DQ	MXVRX1AA
INTRA-LAB CHECK	SOIL	LCS	7440-41-7	Beryllium	9.48E-01		MG/L	5.00E-04	5.00E-04	3.80E-03	0.2518	L	3.15E-03	0.95	1	1/14/2013 19:54	3014047	46DQ	MXVRX1AA
INTRA-LAB CHECK	SOIL	LCS	7440-43-9	Cadmium	9.34E-01		MG/L	1.00E-02	1.00E-02	2.80E-03	0.2518	L	2.28E-03	0.93	1	1/14/2013 19:54	3014047	46DQ	MXVRX1AA
INTRA-LAB CHECK	SOIL	LCS	7440-47-3	Chromium	9.60E-01		MG/L	5.00E-02	5.00E-02	6.90E-03	0.2518	L	5.64E-03	0.96	1	1/14/2013 19:54	3014047	46DQ	MXVRX1AA
INTRA-LAB CHECK	SOIL	LCS	7439-92-1	Lead	9.49E-01		MG/L	5.00E-02	5.00E-02	4.60E-03	0.2518	L	3.77E-03	0.95	1	1/14/2013 19:54	3014047	46DQ	MXVRX1AA
INTRA-LAB CHECK	SOIL	LCS	7782-49-2	Se	8.81E-01		MG/L	5.00E-02	5.00E-02	8.30E-03	0.2518	L	6.80E-03	0.88	1	1/14/2013 19:54	3014047	46DQ	MXVRX1AA
J1R8F9 DUP	SOIL	DUP	7440-22-4	Ag	-1.51E-01	U	UG/G	9.90E+00	9.90E+00	1.90E-01	0.2526	G	1.57E-01			1/14/2013 20:49	3014047	46DQ	MXVQ71A0
J1R8F9 DUP	SOIL	DUP	7440-38-2	As	2.70E-01	U	UG/G	9.90E+00	9.90E+00	3.50E-01	0.2526	G	2.90E-01			1/14/2013 20:49	3014047	46DQ	MXVQ71A0
J1R8F9 DUP	SOIL	DUP	7440-39-3	Ba	4.61E+01		UG/G	1.98E+00	1.98E+00	1.70E-01	0.2526	G	1.41E-01			1/14/2013 20:49	3014047	46DQ	MXVQ71A0
J1R8F9 DUP	SOIL	DUP	7440-41-7	Beryllium	2.04E-01		UG/G	9.90E-02	9.90E-02	6.30E-02	0.2526	G	5.15E-02			1/14/2013 20:49	3014047	46DQ	MXVQ71A0
J1R8F9 DUP	SOIL	DUP	7440-43-9	Cadmium	1.37E-01	U	UG/G	1.98E+00	1.98E+00	2.90E-02	0.2526	G	2.37E-02			1/14/2013 20:49	3014047	46DQ	MXVQ71A0
J1R8F9 DUP	SOIL	DUP	7440-47-3	Chromium	2.14E+00	U	UG/G	9.90E+00	9.90E+00	9.70E-02	0.2526	G	8.00E-02			1/14/2013 20:49	3014047	46DQ	MXVQ71A0
J1R8F9 DUP	SOIL	DUP	7439-92-1	Lead	2.08E+00	U	UG/G	9.90E+00	9.90E+00	1.10E-01	0.2526	G	8.77E-02			1/14/2013 20:49	3014047	46DQ	MXVQ71A0
J1R8F9 DUP	SOIL	DUP	7782-49-2	Se	-1.80E-01	U	UG/G	9.90E+00	9.90E+00	3.80E-01	0.2526	G	3.09E-01			1/14/2013 20:49	3014047	46DQ	MXVQ71A0
J1R8F9	SOIL	MS	7440-22-4	Ag	1.78E+02		% REC(	1.00E+01	1.00E+01	2.50E-01	0.2498	L	2.02E-01	0.89	200	1/14/2013 20:40	3014047	46DQ	MXVQ71A0
J1R8F9	SOIL	MS	7440-38-2	As	1.85E+02		% REC(	1.00E+01	1.00E+01	7.40E-01	0.2498	L	6.11E-01	0.93	200	1/14/2013 20:40	3014047	46DQ	MXVQ71A0
J1R8F9	SOIL	MS	7440-39-3	Ba	1.90E+02		% REC(	2.00E+00	2.00E+00	2.40E+00	0.2498	L	1.94E+00	0.95	200	1/14/2013 20:40	3014047	46DQ	MXVQ71A0
J1R8F9	SOIL	MS	7440-41-7	Beryllium	1.86E+02		% REC(	1.00E-01	1.00E-01	7.50E-01	0.2498	L	6.14E-01	0.93	200	1/14/2013 20:40	3014047	46DQ	MXVQ71A0

Client_id	Matrix	Result_	Cas_nbr	Parameter	Result	Qualifier	Units	Reporting_Limits_S	Reporting_Limits	Uncertainty_1s	Analyzed_	Analyz	Decision_level_lc	LCS	Reco	Adde	Analysis_date_time	Batch_nbr	Test_Meth	Lab_sample_id
J1R8F9	SOIL	MS	7440-43-9	Cadmium	1.81E+02		% REC(	2.00E+00	2.00E+00	4.20E-01	0.2498	L	3.46E-01	0.91	200		1/14/2013 20:40	3014047	46DQ	MXVQ71A0
J1R8F9	SOIL	MS	7440-47-3	Chromium	1.82E+02		% REC(	1.00E+01	1.00E+01	2.40E+00	0.2498	L	2.01E+00	0.91	200		1/14/2013 20:40	3014047	46DQ	MXVQ71A0
J1R8F9	SOIL	MS	7439-92-1	Lead	1.76E+02		% REC(	1.00E+01	1.00E+01	5.80E-01	0.2498	L	4.79E-01	0.88	200		1/14/2013 20:40	3014047	46DQ	MXVQ71A0
J1R8F9	SOIL	MS	7782-49-2	Se	1.70E+02		% REC(	1.00E+01	1.00E+01	2.70E-01	0.2498	L	2.21E-01	0.85	200		1/14/2013 20:40	3014047	46DQ	MXVQ71A0
J1R8F9	SOIL	MSD	7440-22-4	Ag	1.72E+02		% REC(	9.91E+00	9.91E+00	7.30E-01	0.2523	L	5.97E-01	0.87	198		1/14/2013 20:44	3014047	46DQ	MXVQ71A0
J1R8F9	SOIL	MSD	7440-38-2	As	1.79E+02		% REC(	9.91E+00	9.91E+00	1.10E+00	0.2523	L	8.91E-01	0.9	198		1/14/2013 20:44	3014047	46DQ	MXVQ71A0
J1R8F9	SOIL	MSD	7440-39-3	Ba	2.31E+02		% REC(	1.98E+00	1.98E+00	6.60E+00	0.2523	L	5.43E+00	1.17	198		1/14/2013 20:44	3014047	46DQ	MXVQ71A0
J1R8F9	SOIL	MSD	7440-41-7	Beryllium	1.79E+02		% REC(	9.91E-02	9.91E-02	3.50E+00	0.2523	L	2.85E+00	0.9	198		1/14/2013 20:44	3014047	46DQ	MXVQ71A0
J1R8F9	SOIL	MSD	7440-43-9	Cadmium	1.75E+02		% REC(	1.98E+00	1.98E+00	3.20E-01	0.2523	L	2.63E-01	0.88	198		1/14/2013 20:44	3014047	46DQ	MXVQ71A0
J1R8F9	SOIL	MSD	7440-47-3	Chromium	1.77E+02		% REC(	9.91E+00	9.91E+00	4.50E+00	0.2523	L	3.74E+00	0.89	198		1/14/2013 20:44	3014047	46DQ	MXVQ71A0
J1R8F9	SOIL	MSD	7439-92-1	Lead	1.72E+02		% REC(	9.91E+00	9.91E+00	5.80E-01	0.2523	L	4.77E-01	0.87	198		1/14/2013 20:44	3014047	46DQ	MXVQ71A0
J1R8F9	SOIL	MSD	7782-49-2	Se	1.63E+02		% REC(	9.91E+00	9.91E+00	8.70E-01	0.2523	L	7.20E-01	0.82	198		1/14/2013 20:44	3014047	46DQ	MXVQ71A0

Clouseau
Nonconformance Memo

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

NCM #: **10-22598**
NCM Initiated By: Traci KROUPA
Date Opened: 01/15/2013
Date Closed:

Classification: **Deficiency**
Status: **PMREVIEW**
Production Area: Classical Chemistry
Tests: 6010A
Lot #'s (Sample #'s): J3A140000 (47), J3A140415 (1,2,3,4,5),
QC Batches: 3014047,

Nonconformance: Batch Result Out of Limits
Subcategory: Duplicate agreement exceeds acceptance limit

Problem Description / Root Cause

Name	Date	Description
Traci KROUPA	01/15/2013	The MS and MSD do not agree within the acceptable range possibly due to inhomogenuity within the sample. (Barium)

Corrective Action

Name	Date	Corrective Action
Traci KROUPA	01/15/2013	Reported data

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

1/15/13

Date Printed: 1/15/2013

SDG: J01665
SAF: RC-207
BATCH: 3014055
MATRIX: SOIL
ANALYSIS DATE: 1/15/13

Client_id	Matrix	Result_t	Cas_nbr	Parameter	Result	Qualifier	Units	Reporting_Limits_S	Reporting_Limits	Uncertainty_1s	Analyzed_s	Analy:	Decision_level_lc	LCSRecc	Adde	Analysis_date_time	Batch_nbr	Test_Meti	Lab_sample_id
J1R8C5	SOIL	CS	7440-22-4	Ag	-1.46E-01	U	UG/G	9.89E+00	9.89E+00	1.30E-01	0.2527	G	1.05E-01			1/15/2013 8:24	3014055	46DQ	MXVTK1A0
J1R8C5	SOIL	CS	7440-38-2	As	1.01E+00	U	UG/G	9.89E+00	9.89E+00	9.00E-01	0.2527	G	7.41E-01			1/15/2013 8:24	3014055	46DQ	MXVTK1A0
J1R8C5	SOIL	CS	7440-39-3	Ba	4.91E+01		UG/G	1.98E+00	1.98E+00	4.90E-02	0.2527	G	4.01E-02			1/15/2013 8:24	3014055	46DQ	MXVTK1A0
J1R8C5	SOIL	CS	7440-41-7	Beryllium	2.42E-01		UG/G	9.89E-02	9.89E-02	1.60E-02	0.2527	G	1.34E-02			1/15/2013 8:24	3014055	46DQ	MXVTK1A0
J1R8C5	SOIL	CS	7440-43-9	Cadmium	1.63E-01	U	UG/G	1.98E+00	1.98E+00	4.30E-02	0.2527	G	3.58E-02			1/15/2013 8:24	3014055	46DQ	MXVTK1A0
J1R8C5	SOIL	CS	7440-47-3	Chromium	3.04E+00	U	UG/G	9.89E+00	9.89E+00	1.20E-01	0.2527	G	9.97E-02			1/15/2013 8:24	3014055	46DQ	MXVTK1A0
J1R8C5	SOIL	CS	7439-92-1	Lead	1.40E+00	U	UG/G	9.89E+00	9.89E+00	2.20E-01	0.2527	G	1.83E-01			1/15/2013 8:24	3014055	46DQ	MXVTK1A0
J1R8C5	SOIL	CS	7782-49-2	Se	5.81E-01	U	UG/G	9.89E+00	9.89E+00	2.80E-01	0.2527	G	2.32E-01			1/15/2013 8:24	3014055	46DQ	MXVTK1A0
J1R8C6	SOIL	CS	7440-22-4	Ag	-8.98E-02	U	UG/G	1.00E+01	1.00E+01	1.10E-01	0.2488	G	9.30E-02			1/15/2013 8:42	3014055	46DQ	MXVTL1AA
J1R8C6	SOIL	CS	7440-38-2	As	1.48E+00	U	UG/G	1.00E+01	1.00E+01	2.00E-01	0.2488	G	1.61E-01			1/15/2013 8:42	3014055	46DQ	MXVTL1AA
J1R8C6	SOIL	CS	7440-39-3	Ba	8.83E+01		UG/G	2.01E+00	2.01E+00	4.70E-01	0.2488	G	3.88E-01			1/15/2013 8:42	3014055	46DQ	MXVTL1AA
J1R8C6	SOIL	CS	7440-41-7	Beryllium	2.57E-01		UG/G	1.00E-01	1.00E-01	1.20E-02	0.2488	G	9.69E-03			1/15/2013 8:42	3014055	46DQ	MXVTL1AA
J1R8C6	SOIL	CS	7440-43-9	Cadmium	1.76E-01	U	UG/G	2.01E+00	2.01E+00	6.20E-02	0.2488	G	5.06E-02			1/15/2013 8:42	3014055	46DQ	MXVTL1AA
J1R8C6	SOIL	CS	7440-47-3	Chromium	4.94E+00	U	UG/G	1.00E+01	1.00E+01	4.10E-01	0.2488	G	3.39E-01			1/15/2013 8:42	3014055	46DQ	MXVTL1AA
J1R8C6	SOIL	CS	7439-92-1	Lead	1.53E+00	U	UG/G	1.00E+01	1.00E+01	3.00E-01	0.2488	G	2.45E-01			1/15/2013 8:42	3014055	46DQ	MXVTL1AA
J1R8C6	SOIL	CS	7782-49-2	Se	3.43E-01	U	UG/G	1.00E+01	1.00E+01	1.00E+00	0.2488	G	8.32E-01			1/15/2013 8:42	3014055	46DQ	MXVTL1AA
J1R8C7	SOIL	CS	7440-22-4	Ag	-2.69E-01	U	UG/G	1.00E+01	1.00E+01	1.80E-01	0.2496	G	1.51E-01			1/15/2013 8:46	3014055	46DQ	MXVTM1AA
J1R8C7	SOIL	CS	7440-38-2	As	9.44E-01	U	UG/G	1.00E+01	1.00E+01	8.00E-02	0.2496	G	6.58E-02			1/15/2013 8:46	3014055	46DQ	MXVTM1AA
J1R8C7	SOIL	CS	7440-39-3	Ba	4.69E+01		UG/G	2.00E+00	2.00E+00	1.10E-01	0.2496	G	9.29E-02			1/15/2013 8:46	3014055	46DQ	MXVTM1AA
J1R8C7	SOIL	CS	7440-41-7	Beryllium	2.26E-01		UG/G	1.00E-01	1.00E-01	7.70E-03	0.2496	G	6.36E-03			1/15/2013 8:46	3014055	46DQ	MXVTM1AA
J1R8C7	SOIL	CS	7440-43-9	Cadmium	1.69E-01	U	UG/G	2.00E+00	2.00E+00	4.30E-02	0.2496	G	3.58E-02			1/15/2013 8:46	3014055	46DQ	MXVTM1AA
J1R8C7	SOIL	CS	7440-47-3	Chromium	7.47E+00	U	UG/G	1.00E+01	1.00E+01	1.10E-01	0.2496	G	8.91E-02			1/15/2013 8:46	3014055	46DQ	MXVTM1AA
J1R8C7	SOIL	CS	7439-92-1	Lead	1.08E+00	U	UG/G	1.00E+01	1.00E+01	1.30E-01	0.2496	G	1.03E-01			1/15/2013 8:46	3014055	46DQ	MXVTM1AA
J1R8C7	SOIL	CS	7782-49-2	Se	2.59E-01	U	UG/G	1.00E+01	1.00E+01	3.50E-01	0.2496	G	2.87E-01			1/15/2013 8:46	3014055	46DQ	MXVTM1AA
J1R8C8	SOIL	CS	7440-22-4	Ag	-2.16E-01	U	UG/G	9.88E+00	9.88E+00	7.40E-02	0.253	G	6.10E-02			1/15/2013 8:50	3014055	46DQ	MXVTN1AA
J1R8C8	SOIL	CS	7440-38-2	As	7.40E-01	U	UG/G	9.88E+00	9.88E+00	7.40E-01	0.253	G	6.05E-01			1/15/2013 8:50	3014055	46DQ	MXVTN1AA
J1R8C8	SOIL	CS	7440-39-3	Ba	4.06E+01		UG/G	1.98E+00	1.98E+00	2.10E-01	0.253	G	1.72E-01			1/15/2013 8:50	3014055	46DQ	MXVTN1AA
J1R8C8	SOIL	CS	7440-41-7	Beryllium	2.00E-01		UG/G	9.88E-02	9.88E-02	1.40E-02	0.253	G	1.14E-02			1/15/2013 8:50	3014055	46DQ	MXVTN1AA
J1R8C8	SOIL	CS	7440-43-9	Cadmium	1.44E-01	U	UG/G	1.98E+00	1.98E+00	4.00E-02	0.253	G	3.32E-02			1/15/2013 8:50	3014055	46DQ	MXVTN1AA
J1R8C8	SOIL	CS	7440-47-3	Chromium	1.91E+00	U	UG/G	9.88E+00	9.88E+00	5.30E-02	0.253	G	4.32E-02			1/15/2013 8:50	3014055	46DQ	MXVTN1AA
J1R8C8	SOIL	CS	7439-92-1	Lead	1.08E+00	U	UG/G	9.88E+00	9.88E+00	3.30E-01	0.253	G	2.74E-01			1/15/2013 8:50	3014055	46DQ	MXVTN1AA
J1R8C8	SOIL	CS	7782-49-2	Se	1.64E-01	U	UG/G	9.88E+00	9.88E+00	1.60E+00	0.253	G	1.36E+00			1/15/2013 8:50	3014055	46DQ	MXVTN1AA
J1R8C9	SOIL	CS	7440-22-4	Ag	-1.82E-01	U	UG/G	1.01E+01	1.01E+01	6.60E-02	0.2485	G	5.40E-02			1/15/2013 10:17	3014055	46DQ	MXVTP1AA
J1R8C9	SOIL	CS	7440-38-2	As	8.96E-01	U	UG/G	1.01E+01	1.01E+01	6.40E-01	0.2485	G	5.27E-01			1/15/2013 10:17	3014055	46DQ	MXVTP1AA
J1R8C9	SOIL	CS	7440-39-3	Ba	4.55E+01		UG/G	2.01E+00	2.01E+00	2.70E-01	0.2485	G	2.24E-01			1/15/2013 10:17	3014055	46DQ	MXVTP1AA
J1R8C9	SOIL	CS	7440-41-7	Beryllium	2.60E-01		UG/G	1.01E-01	1.01E-01	1.10E-02	0.2485	G	8.98E-03			1/15/2013 10:17	3014055	46DQ	MXVTP1AA
J1R8C9	SOIL	CS	7440-43-9	Cadmium	1.46E-01	U	UG/G	2.01E+00	2.01E+00	7.90E-02	0.2485	G	6.47E-02			1/15/2013 10:17	3014055	46DQ	MXVTP1AA
J1R8C9	SOIL	CS	7440-47-3	Chromium	2.14E+01		UG/G	1.01E+01	1.01E+01	1.50E-01	0.2485	G	1.24E-01			1/15/2013 10:17	3014055	46DQ	MXVTP1AA
J1R8C9	SOIL	CS	7439-92-1	Lead	1.42E+00	U	UG/G	1.01E+01	1.01E+01	8.70E-01	0.2485	G	7.13E-01			1/15/2013 10:17	3014055	46DQ	MXVTP1AA
J1R8C9	SOIL	CS	7782-49-2	Se	6.12E-01	U	UG/G	1.01E+01	1.01E+01	6.00E-01	0.2485	G	4.94E-01			1/15/2013 10:17	3014055	46DQ	MXVTP1AA
J1R8D0	SOIL	CS	7440-22-4	Ag	-1.23E-01	U	UG/G	9.90E+00	9.90E+00	1.60E-01	0.2524	G	1.33E-01			1/15/2013 10:21	3014055	46DQ	MXVTQ1AA
J1R8D0	SOIL	CS	7440-38-2	As	1.08E+00	U	UG/G	9.90E+00	9.90E+00	4.40E-01	0.2524	G	3.66E-01			1/15/2013 10:21	3014055	46DQ	MXVTQ1AA
J1R8D0	SOIL	CS	7440-39-3	Ba	6.55E+01		UG/G	1.98E+00	1.98E+00	7.60E-01	0.2524	G	6.24E-01			1/15/2013 10:21	3014055	46DQ	MXVTQ1AA
J1R8D0	SOIL	CS	7440-41-7	Beryllium	2.29E-01		UG/G	9.90E-02	9.90E-02	1.80E-03	0.2524	G	1.47E-03			1/15/2013 10:21	3014055	46DQ	MXVTQ1AA
J1R8D0	SOIL	CS	7440-43-9	Cadmium	1.47E-01	U	UG/G	1.98E+00	1.98E+00	4.90E-02	0.2524	G	4.01E-02			1/15/2013 10:21	3014055	46DQ	MXVTQ1AA
J1R8D0	SOIL	CS	7440-47-3	Chromium	5.05E+00	U	UG/G	9.90E+00	9.90E+00	2.30E-01	0.2524	G	1.89E-01			1/15/2013 10:21	3014055	46DQ	MXVTQ1AA
J1R8D0	SOIL	CS	7439-92-1	Lead	1.57E+00	U	UG/G	9.90E+00	9.90E+00	5.50E-01	0.2524	G	4.56E-01			1/15/2013 10:21	3014055	46DQ	MXVTQ1AA
J1R8D0	SOIL	CS	7782-49-2	Se	4.17E-01	U	UG/G	9.90E+00	9.90E+00	8.80E-01	0.2524	G	7.27E-01			1/15/2013 10:21	3014055	46DQ	MXVTQ1AA
J1R8D1	SOIL	CS	7440-22-4	Ag	-3.05E-01	U	UG/G	9.93E+00	9.93E+00	2.70E-01	0.2517	G	2.22E-01			1/15/2013 10:25	3014055	46DQ	MXVTR1AA
J1R8D1	SOIL	CS	7440-38-2	As	1.29E+00	U	UG/G	9.93E+00	9.93E+00	1.30E-01	0.2517	G	1.06E-01			1/15/2013 10:25	3014055	46DQ	MXVTR1AA
J1R8D1	SOIL	CS	7440-39-3	Ba	5.50E+01		UG/G	1.99E+00	1.99E+00	5.10E-01	0.2517	G	4.23E-01			1/15/2013 10:25	3014055	46DQ	MXVTR1AA
J1R8D1	SOIL	CS	7440-41-7	Beryllium	2.13E-01		UG/G	9.93E-02	9.93E-02	1.10E-02	0.2517	G	9.01E-03			1/15/2013 10:25	3014055	46DQ	MXVTR1AA
J1R8D1	SOIL	CS	7440-43-9	Cadmium	1.35E-01	U	UG/G	1.99E+00	1.99E+00	5.20E-02	0.2517	G	4.27E-02			1/15/2013 10:25	3014055	46DQ	MXVTR1AA
J1R8D1	SOIL	CS	7440-47-3	Chromium	1.03E+01		UG/G	9.93E+00	9.93E+00	1.90E-01	0.2517	G	1.59E-01			1/15/2013 10:25	3014055	46DQ	MXVTR1AA
J1R8D1	SOIL	CS	7439-92-1	Lead	1.51E+00	U	UG/G	9.93E+00	9.93E+00	3.10E-01	0.2517	G	2.55E-01			1/15/2013 10:25	3014055	46DQ	MXVTR1AA
J1R8D1	SOIL	CS	7782-49-2	Se	4.30E-01	U	UG/G	9.93E+00	9.93E+00	4.10E-01	0.2517	G	3.41E-01			1/15/2013 10:25	3014055	46DQ	MXVTR1AA
J1R8D2	SOIL	CS	7440-22-4	Ag	-1.40E-01	U	UG/G	9.96E+00	9.96E+00	2.10E-01	0.251	G	1.76E-01			1/15/2013 10:29	3014055	46DQ	MXVTT1AA
J1R8D2	SOIL	CS	7440-38-2	As	9.17E-01	U	UG/G	9.96E+00	9.96E+00	8.00E-01	0.251	G	6.58E-01			1/15/2013 10:29	3014055	46DQ	MXVTT1AA
J1R8D2	SOIL	CS	7440-39-3	Ba	5.12E+01		UG/G	1.99E+00	1.99E+00	1.40E+00	0.251	G	1.17E+00			1/15/2013 10:29	3014055	46DQ	MXVTT1AA
J1R8D2	SOIL	CS	7440-41-7	Beryllium	2.38E-01		UG/G	9.96E-02	9.96E-02	1.40E-02	0.251	G	1.13E-02			1/15/2013 10:29	3014055	46DQ	MXVTT1AA
J1R8D2	SOIL	CS	7440-43-9	Cadmium	1.29E-01	U	UG/G	1.99E+00	1.99E+00	5.60E-02	0.251	G	4.57E-02			1/15/2013 10:29	3014055	46DQ	MXVTT1AA
J1R8D2	SOIL	CS	7440-47-3	Chromium	4.60E+00	U	UG/G	9.96E+00	9.96E+00	2.20E-01	0.251	G	1.85E-01			1/15/2013 10:29	3014055	46DQ	MXVTT1AA
J1R8D2	SOIL	CS	7439-92-1	Lead	1.45E+00	U	UG/G	9.96E+00	9.96E+00	4.10E-01	0.251	G	3.40E-01			1/15/2013 10:29	3014055	46DQ	MXVTT1AA
J1R8D2	SOIL	CS	7782-49-2	Se	1.02E+00	U	UG/G	9.96E+00	9.96E+00	4.10E-01	0.251	G	3.40E-01			1/15/2013 10:29	3014055	46DQ	MXVTT1AA
J1R8D3	SOIL	CS	7440-22-4	Ag	-6.94E-02	U	UG/G	1.01E+01	1.01E+01	7.70E-02	0.2478	G	6.30E-02			1/15/2013 10:32	3014055	46DQ	MXVTV1AA
J1R8D3	SOIL	CS	7440-38-2	As	8.83E-01	U	UG/G	1.01E+01	1.01E+01	8.70E-01	0.2478	G	7.12E-01			1/15/2013 10:32	3014055	46DQ	MXVTV1AA
J1R8D3	SOIL	CS	7440-39-3	Ba	4.49E+01		UG/G	2.02E+00	2.02E+00	1.80E-01	0.2478	G	1.45E-01			1/15/2013 10:32	3014055	46DQ	MXVTV1AA

Client_id	Matrix	Result_t	Cas_nbr	Parameter	Result	Qualifier	Units	Reporting_Limits_S	Reporting_Limits	Uncertainty_1s	Analyzed_s	Analy:	Decision_level_lc	LCS	Recc	Adde	Analysis_date_time	Batch_nbr	Test_Meti	Lab_sample_id
J1R8D3	**SOIL**	**CS**	**7440-41-7**	**Beryllium**	**2.39E-01**		**UG/G**	1.01E-01	1.01E-01	6.70E-03	0.2478	G	5.49E-03				1/15/2013 10:32	3014055	46DQ	MXVTV1AA
J1R8D3	**SOIL**	**CS**	**7440-43-9**	**Cadmium**	**1.27E-01**	**U**	**UG/G**	2.02E+00	2.02E+00	5.60E-02	0.2478	G	4.62E-02				1/15/2013 10:32	3014055	46DQ	MXVTV1AA
J1R8D3	**SOIL**	**CS**	**7440-47-3**	**Chromium**	**4.55E+00**	**U**	**UG/G**	1.01E+01	1.01E+01	3.50E-01	0.2478	G	2.92E-01				1/15/2013 10:32	3014055	46DQ	MXVTV1AA
J1R8D3	**SOIL**	**CS**	**7439-92-1**	**Lead**	**1.30E+00**	**U**	**UG/G**	1.01E+01	1.01E+01	2.00E-01	0.2478	G	1.64E-01				1/15/2013 10:32	3014055	46DQ	MXVTV1AA
J1R8D3	**SOIL**	**CS**	**7782-49-2**	**Se**	**5.42E-01**	**U**	**UG/G**	1.01E+01	1.01E+01	2.20E-01	0.2478	G	1.80E-01				1/15/2013 10:32	3014055	46DQ	MXVTV1AA
J1R8D4	**SOIL**	**CS**	**7440-22-4**	**Ag**	**-1.21E-01**	**U**	**UG/G**	9.89E+00	9.89E+00	7.50E-02	0.2529	G	6.14E-02				1/15/2013 10:36	3014055	46DQ	MXVTW1AA
J1R8D4	**SOIL**	**CS**	**7440-38-2**	**As**	**1.29E+00**	**U**	**UG/G**	9.89E+00	9.89E+00	7.20E-01	0.2529	G	5.95E-01				1/15/2013 10:36	3014055	46DQ	MXVTW1AA
J1R8D4	**SOIL**	**CS**	**7440-39-3**	**Ba**	**4.85E+01**		**UG/G**	1.98E+00	1.98E+00	2.60E-01	0.2529	G	2.14E-01				1/15/2013 10:36	3014055	46DQ	MXVTW1AA
J1R8D4	**SOIL**	**CS**	**7440-41-7**	**Beryllium**	**2.33E-01**		**UG/G**	9.89E-02	9.89E-02	8.70E-03	0.2529	G	7.14E-03				1/15/2013 10:36	3014055	46DQ	MXVTW1AA
J1R8D4	**SOIL**	**CS**	**7440-43-9**	**Cadmium**	**1.16E-01**	**U**	**UG/G**	1.98E+00	1.98E+00	3.00E-02	0.2529	G	2.48E-02				1/15/2013 10:36	3014055	46DQ	MXVTW1AA
J1R8D4	**SOIL**	**CS**	**7440-47-3**	**Chromium**	**3.45E+00**	**U**	**UG/G**	9.89E+00	9.89E+00	9.20E-02	0.2529	G	7.61E-02				1/15/2013 10:36	3014055	46DQ	MXVTW1AA
J1R8D4	**SOIL**	**CS**	**7439-92-1**	**Lead**	**1.13E+00**	**U**	**UG/G**	9.89E+00	9.89E+00	2.00E-01	0.2529	G	1.68E-01				1/15/2013 10:36	3014055	46DQ	MXVTW1AA
J1R8D4	**SOIL**	**CS**	**7782-49-2**	**Se**	**5.35E-01**	**U**	**UG/G**	9.89E+00	9.89E+00	9.50E-01	0.2529	G	7.77E-01				1/15/2013 10:36	3014055	46DQ	MXVTW1AA
INTRA-LAB BLANK	SOIL	BLK	7440-22-4	Ag	-2.42E-04	U	MG/L	5.00E-02	5.00E-02	6.50E-04	0.2508	L	5.33E-04				1/15/2013 8:12	3014055	46DQ	MXVT81AA
INTRA-LAB BLANK	SOIL	BLK	7440-38-2	As	1.65E-03	U	MG/L	5.00E-02	5.00E-02	5.30E-03	0.2508	L	4.39E-03				1/15/2013 8:12	3014055	46DQ	MXVT81AA
INTRA-LAB BLANK	SOIL	BLK	7440-39-3	Ba	-1.19E-06	U	MG/L	1.00E-02	1.00E-02	4.50E-05	0.2508	L	3.66E-05				1/15/2013 8:12	3014055	46DQ	MXVT81AA
INTRA-LAB BLANK	SOIL	BLK	7440-41-7	Beryllium	3.22E-06	U	MG/L	5.00E-04	5.00E-04	7.70E-05	0.2508	L	6.29E-05				1/15/2013 8:12	3014055	46DQ	MXVT81AA
INTRA-LAB BLANK	SOIL	BLK	7440-43-9	Cadmium	3.74E-04	U	MG/L	1.00E-02	1.00E-02	3.50E-04	0.2508	L	2.87E-04				1/15/2013 8:12	3014055	46DQ	MXVT81AA
INTRA-LAB BLANK	SOIL	BLK	7440-47-3	Chromium	3.40E-04	U	MG/L	5.00E-02	5.00E-02	7.60E-04	0.2508	L	6.26E-04				1/15/2013 8:12	3014055	46DQ	MXVT81AA
INTRA-LAB BLANK	SOIL	BLK	7439-92-1	Lead	-7.03E-04	U	MG/L	5.00E-02	5.00E-02	2.60E-03	0.2508	L	2.16E-03				1/15/2013 8:12	3014055	46DQ	MXVT81AA
INTRA-LAB BLANK	SOIL	BLK	7782-49-2	Se	-2.48E-03	U	MG/L	5.00E-02	5.00E-02	3.60E-03	0.2508	L	2.94E-03				1/15/2013 8:12	3014055	46DQ	MXVT81AA
INTRA-LAB CHECK	SOIL	LCS	7440-22-4	Ag	8.94E-01		MG/L	5.00E-02	5.00E-02	6.90E-03	0.2496	L	5.65E-03	0.89		1	1/15/2013 8:15	3014055	46DQ	MXVT81AA
INTRA-LAB CHECK	SOIL	LCS	7440-38-2	As	9.27E-01		MG/L	5.00E-02	5.00E-02	6.50E-03	0.2496	L	5.37E-03	0.93		1	1/15/2013 8:15	3014055	46DQ	MXVT81AA
INTRA-LAB CHECK	SOIL	LCS	7440-39-3	Ba	9.69E-01		MG/L	1.00E-02	1.00E-02	2.60E-03	0.2496	L	2.16E-03	0.97		1	1/15/2013 8:15	3014055	46DQ	MXVT81AA
INTRA-LAB CHECK	SOIL	LCS	7440-41-7	Beryllium	9.32E-01		MG/L	5.00E-04	5.00E-04	1.80E-03	0.2496	L	1.52E-03	0.93		1	1/15/2013 8:15	3014055	46DQ	MXVT81AA
INTRA-LAB CHECK	SOIL	LCS	7440-43-9	Cadmium	9.23E-01		MG/L	1.00E-02	1.00E-02	1.20E-02	0.2496	L	9.91E-03	0.92		1	1/15/2013 8:15	3014055	46DQ	MXVT81AA
INTRA-LAB CHECK	SOIL	LCS	7440-47-3	Chromium	9.53E-01		MG/L	5.00E-02	5.00E-02	3.40E-03	0.2496	L	2.76E-03	0.95		1	1/15/2013 8:15	3014055	46DQ	MXVT81AA
INTRA-LAB CHECK	SOIL	LCS	7439-92-1	Lead	9.37E-01		MG/L	5.00E-02	5.00E-02	1.10E-02	0.2496	L	9.23E-03	0.94		1	1/15/2013 8:15	3014055	46DQ	MXVT81AA
INTRA-LAB CHECK	SOIL	LCS	7782-49-2	Se	8.84E-01		MG/L	5.00E-02	5.00E-02	6.40E-03	0.2496	L	5.26E-03	0.88		1	1/15/2013 8:15	3014055	46DQ	MXVT81AA
J1R8C5 DUP	SOIL	DUP	7440-22-4	Ag	-1.92E-01	U	UG/G	9.88E+00	9.88E+00	8.30E-02	0.253	G	6.85E-02				1/15/2013 8:38	3014055	46DQ	MXVTK1A0
J1R8C5 DUP	SOIL	DUP	7440-38-2	As	1.14E+00	U	UG/G	9.88E+00	9.88E+00	5.20E-01	0.253	G	4.25E-01				1/15/2013 8:38	3014055	46DQ	MXVTK1A0
J1R8C5 DUP	SOIL	DUP	7440-39-3	Ba	7.08E+01		UG/G	1.98E+00	1.98E+00	3.20E+00	0.253	G	2.65E+00				1/15/2013 8:38	3014055	46DQ	MXVTK1A0
J1R8C5 DUP	SOIL	DUP	7440-41-7	Beryllium	2.64E-01		UG/G	9.88E-02	9.88E-02	1.50E-02	0.253	G	1.22E-02				1/15/2013 8:38	3014055	46DQ	MXVTK1A0
J1R8C5 DUP	SOIL	DUP	7440-43-9	Cadmium	1.60E-01	U	UG/G	1.98E+00	1.98E+00	1.10E-01	0.253	G	9.23E-02				1/15/2013 8:38	3014055	46DQ	MXVTK1A0
J1R8C5 DUP	SOIL	DUP	7440-47-3	Chromium	3.89E+00	U	UG/G	9.88E+00	9.88E+00	8.70E-02	0.253	G	7.18E-02				1/15/2013 8:38	3014055	46DQ	MXVTK1A0
J1R8C5 DUP	SOIL	DUP	7439-92-1	Lead	1.52E+00	U	UG/G	9.88E+00	9.88E+00	4.00E-01	0.253	G	3.31E-01				1/15/2013 8:38	3014055	46DQ	MXVTK1A0
J1R8C5 DUP	SOIL	DUP	7782-49-2	Se	7.86E-01	U	UG/G	9.88E+00	9.88E+00	9.20E-01	0.253	G	7.60E-01				1/15/2013 8:38	3014055	46DQ	MXVTK1A0
J1R8C5	SOIL	MS	7440-22-4	Ag	1.70E+02		% REC(	9.91E+00	9.91E+00	3.00E-01	0.2522	L	2.47E-01	0.86		198	1/15/2013 8:28	3014055	46DQ	MXVTK1A0
J1R8C5	SOIL	MS	7440-38-2	As	1.80E+02		% REC(	9.91E+00	9.91E+00	5.70E-01	0.2522	L	4.71E-01	0.91		198	1/15/2013 8:28	3014055	46DQ	MXVTK1A0
J1R8C5	SOIL	MS	7440-39-3	Ba	1.76E+02		% REC(	1.98E+00	1.98E+00	1.10E+00	0.2522	L	8.68E-01	0.89		198	1/15/2013 8:28	3014055	46DQ	MXVTK1A0
J1R8C5	SOIL	MS	7440-41-7	Beryllium	1.77E+02		% REC(	9.91E-02	9.91E-02	3.50E-01	0.2522	L	2.88E-01	0.89		198	1/15/2013 8:28	3014055	46DQ	MXVTK1A0
J1R8C5	SOIL	MS	7440-43-9	Cadmium	1.78E+02		% REC(	1.98E+00	1.98E+00	3.90E-01	0.2522	L	3.18E-01	0.9		198	1/15/2013 8:28	3014055	46DQ	MXVTK1A0
J1R8C5	SOIL	MS	7440-47-3	Chromium	1.79E+02		% REC(	9.91E+00	9.91E+00	4.70E-01	0.2522	L	3.87E-01	0.9		198	1/15/2013 8:28	3014055	46DQ	MXVTK1A0
J1R8C5	SOIL	MS	7439-92-1	Lead	1.74E+02		% REC(	9.91E+00	9.91E+00	1.10E+00	0.2522	L	9.37E-01	0.88		198	1/15/2013 8:28	3014055	46DQ	MXVTK1A0
J1R8C5	SOIL	MS	7782-49-2	Se	1.71E+02		% REC(	9.91E+00	9.91E+00	1.60E+00	0.2522	L	1.28E+00	0.86		198	1/15/2013 8:28	3014055	46DQ	MXVTK1A0
J1R8C5	SOIL	MSD	7440-22-4	Ag	1.73E+02		% REC(	9.93E+00	9.93E+00	1.80E+00	0.2517	L	1.52E+00	0.87		199	1/15/2013 8:33	3014055	46DQ	MXVTK1A0
J1R8C5	SOIL	MSD	7440-38-2	As	1.80E+02		% REC(	9.93E+00	9.93E+00	3.00E+00	0.2517	L	2.48E+00	0.91		199	1/15/2013 8:33	3014055	46DQ	MXVTK1A0
J1R8C5	SOIL	MSD	7440-39-3	Ba	1.77E+02		% REC(	1.99E+00	1.99E+00	3.30E+00	0.2517	L	2.74E+00	0.89		199	1/15/2013 8:33	3014055	46DQ	MXVTK1A0
J1R8C5	SOIL	MSD	7440-41-7	Beryllium	1.80E+02		% REC(	9.93E-02	9.93E-02	2.10E+00	0.2517	L	1.75E+00	0.9		199	1/15/2013 8:33	3014055	46DQ	MXVTK1A0
J1R8C5	SOIL	MSD	7440-43-9	Cadmium	1.81E+02		% REC(	1.99E+00	1.99E+00	1.50E+00	0.2517	L	1.25E+00	0.91		199	1/15/2013 8:33	3014055	46DQ	MXVTK1A0
J1R8C5	SOIL	MSD	7440-47-3	Chromium	1.82E+02		% REC(	9.93E+00	9.93E+00	2.60E+00	0.2517	L	2.11E+00	0.91		199	1/15/2013 8:33	3014055	46DQ	MXVTK1A0
J1R8C5	SOIL	MSD	7439-92-1	Lead	1.76E+02		% REC(	9.93E+00	9.93E+00	7.10E-01	0.2517	L	5.81E-01	0.89		199	1/15/2013 8:33	3014055	46DQ	MXVTK1A0
J1R8C5	SOIL	MSD	7782-49-2	Se	1.72E+02		% REC(	9.93E+00	9.93E+00	4.70E-01	0.2517	L	3.86E-01	0.87		199	1/15/2013 8:33	3014055	46DQ	MXVTK1A0

SDG: J01665
SAF: RC-207
BATCH: 3014058
MATRIX: SOIL
ANALYSIS DATE: 1/15/13

Client_id	Matrix	Result_1	Cas_nbr	Parameter	Result	Qualifier	Units	Reporting_Limits_	Reporting_Limits	Uncertainty_1s	Analyzed_	Analyz	Decision_level_lc	LCSRecc	Added	Analysis_date_time	Batch_nbr	Test_Meti	Lab_sample_id
J1R8D5	**SOIL**	**CS**	**7440-22-4**	**Ag**	**-1.51E-01**	**U**	**UG/G**	9.96E+00	9.96E+00	2.40E-01	0.2511	G	1.94E-01			1/15/2013 11:48	3014058	46DQ	MXVT91A0
J1R8D5	**SOIL**	**CS**	**7440-38-2**	**As**	**1.58E+00**	**U**	**UG/G**	9.96E+00	9.96E+00	1.20E+00	0.2511	G	1.01E+00			1/15/2013 11:48	3014058	46DQ	MXVT91A0
J1R8D5	**SOIL**	**CS**	**7440-39-3**	**Ba**	**6.13E+01**		**UG/G**	1.99E+00	1.99E+00	1.60E+00	0.2511	G	1.32E+00			1/15/2013 11:48	3014058	46DQ	MXVT91A0
J1R8D5	**SOIL**	**CS**	**7440-41-7**	**Beryllium**	**3.08E-01**		**UG/G**	9.96E-02	9.96E-02	2.10E-02	0.2511	G	1.76E-02			1/15/2013 11:48	3014058	46DQ	MXVT91A0
J1R8D5	**SOIL**	**CS**	**7440-43-9**	**Cadmium**	**1.74E-01**	**U**	**UG/G**	1.99E+00	1.99E+00	1.10E-02	0.2511	G	8.94E-03			1/15/2013 11:48	3014058	46DQ	MXVT91A0
J1R8D5	**SOIL**	**CS**	**7440-47-3**	**Chromium**	**4.11E+00**	**U**	**UG/G**	9.96E+00	9.96E+00	3.50E-01	0.2511	G	2.86E-01			1/15/2013 11:48	3014058	46DQ	MXVT91A0
J1R8D5	**SOIL**	**CS**	**7439-92-1**	**Lead**	**1.49E+00**	**U**	**UG/G**	9.96E+00	9.96E+00	4.10E-01	0.2511	G	3.38E-01			1/15/2013 11:48	3014058	46DQ	MXVT91A0
J1R8D5	**SOIL**	**CS**	**7782-49-2**	**Se**	**1.29E+00**	**U**	**UG/G**	9.96E+00	9.96E+00	9.60E-01	0.2511	G	7.93E-01			1/15/2013 11:48	3014058	46DQ	MXVT91A0
J1R8D6	**SOIL**	**CS**	**7440-22-4**	**Ag**	**-3.42E-01**	**U**	**UG/G**	9.86E+00	9.86E+00	2.20E-01	0.2536	G	1.78E-01			1/15/2013 12:06	3014058	46DQ	MXVVD1AA
J1R8D6	**SOIL**	**CS**	**7440-38-2**	**As**	**1.20E+00**	**U**	**UG/G**	9.86E+00	9.86E+00	9.60E-01	0.2536	G	7.90E-01			1/15/2013 12:06	3014058	46DQ	MXVVD1AA
J1R8D6	**SOIL**	**CS**	**7440-39-3**	**Ba**	**3.69E+01**		**UG/G**	1.97E+00	1.97E+00	7.90E-01	0.2536	G	6.53E-01			1/15/2013 12:06	3014058	46DQ	MXVVD1AA
J1R8D6	**SOIL**	**CS**	**7440-41-7**	**Beryllium**	**2.23E-01**		**UG/G**	9.86E-02	9.86E-02	1.10E-02	0.2536	G	8.80E-03			1/15/2013 12:06	3014058	46DQ	MXVVD1AA
J1R8D6	**SOIL**	**CS**	**7440-43-9**	**Cadmium**	**1.04E-01**	**U**	**UG/G**	1.97E+00	1.97E+00	1.30E-02	0.2536	G	1.05E-02			1/15/2013 12:06	3014058	46DQ	MXVVD1AA
J1R8D6	**SOIL**	**CS**	**7440-47-3**	**Chromium**	**6.97E+00**	**U**	**UG/G**	9.86E+00	9.86E+00	1.60E-01	0.2536	G	1.35E-01			1/15/2013 12:06	3014058	46DQ	MXVVD1AA
J1R8D6	**SOIL**	**CS**	**7439-92-1**	**Lead**	**1.10E+00**	**U**	**UG/G**	9.86E+00	9.86E+00	6.50E-01	0.2536	G	5.38E-01			1/15/2013 12:06	3014058	46DQ	MXVVD1AA
J1R8D6	**SOIL**	**CS**	**7782-49-2**	**Se**	**9.52E-01**	**U**	**UG/G**	9.86E+00	9.86E+00	4.80E-01	0.2536	G	3.99E-01			1/15/2013 12:06	3014058	46DQ	MXVVD1AA
J1R7V9	**SOIL**	**CS**	**7440-22-4**	**Ag**	**-2.53E-01**	**U**	**UG/G**	9.94E+00	9.94E+00	1.30E-01	0.2515	G	1.08E-01			1/15/2013 12:10	3014058	46DQ	MXVVE1AA
J1R7V9	**SOIL**	**CS**	**7440-38-2**	**As**	**7.43E-01**	**U**	**UG/G**	9.94E+00	9.94E+00	2.50E-01	0.2515	G	2.05E-01			1/15/2013 12:10	3014058	46DQ	MXVVE1AA
J1R7V9	**SOIL**	**CS**	**7440-39-3**	**Ba**	**4.14E+01**		**UG/G**	1.99E+00	1.99E+00	3.90E-01	0.2515	G	3.19E-01			1/15/2013 12:10	3014058	46DQ	MXVVE1AA
J1R7V9	**SOIL**	**CS**	**7440-41-7**	**Beryllium**	**2.19E-01**		**UG/G**	9.94E-02	9.94E-02	4.00E-03	0.2515	G	3.26E-03			1/15/2013 12:10	3014058	46DQ	MXVVE1AA
J1R7V9	**SOIL**	**CS**	**7440-43-9**	**Cadmium**	**1.11E-01**	**U**	**UG/G**	1.99E+00	1.99E+00	1.80E-02	0.2515	G	1.44E-02			1/15/2013 12:10	3014058	46DQ	MXVVE1AA
J1R7V9	**SOIL**	**CS**	**7440-47-3**	**Chromium**	**2.66E+01**		**UG/G**	9.94E+00	9.94E+00	5.00E-01	0.2515	G	4.12E-01			1/15/2013 12:10	3014058	46DQ	MXVVE1AA
J1R7V9	**SOIL**	**CS**	**7439-92-1**	**Lead**	**1.02E+00**	**U**	**UG/G**	9.94E+00	9.94E+00	2.10E-01	0.2515	G	1.76E-01			1/15/2013 12:10	3014058	46DQ	MXVVE1AA
J1R7V9	**SOIL**	**CS**	**7782-49-2**	**Se**	**7.31E-01**	**U**	**UG/G**	9.94E+00	9.94E+00	7.70E-01	0.2515	G	6.31E-01			1/15/2013 12:10	3014058	46DQ	MXVVE1AA
INTRA-LAB BLANK	SOIL	BLK	7440-22-4	Ag	-8.35E-04	U	MG/L	5.00E-02	5.00E-02	2.00E-04	0.2489	L	1.62E-04			1/15/2013 10:44	3014058	46DQ	MXVVH1AA
INTRA-LAB BLANK	SOIL	BLK	7440-38-2	As	3.60E-03	U	MG/L	5.00E-02	5.00E-02	2.00E-03	0.2489	L	1.66E-03			1/15/2013 10:44	3014058	46DQ	MXVVH1AA
INTRA-LAB BLANK	SOIL	BLK	7440-39-3	Ba	4.61E-05	U	MG/L	1.00E-02	1.00E-02	6.10E-05	0.2489	L	5.00E-05			1/15/2013 10:44	3014058	46DQ	MXVVH1AA
INTRA-LAB BLANK	SOIL	BLK	7440-41-7	Beryllium	2.66E-05	U	MG/L	5.00E-04	5.00E-04	5.80E-05	0.2489	L	4.78E-05			1/15/2013 10:44	3014058	46DQ	MXVVH1AA
INTRA-LAB BLANK	SOIL	BLK	7440-43-9	Cadmium	1.05E-04	U	MG/L	1.00E-02	1.00E-02	2.00E-04	0.2489	L	1.64E-04			1/15/2013 10:44	3014058	46DQ	MXVVH1AA
INTRA-LAB BLANK	SOIL	BLK	7440-47-3	Chromium	-1.77E-04	U	MG/L	5.00E-02	5.00E-02	9.00E-04	0.2489	L	7.41E-04			1/15/2013 10:44	3014058	46DQ	MXVVH1AA
INTRA-LAB BLANK	SOIL	BLK	7439-92-1	Lead	-1.15E-04	U	MG/L	5.00E-02	5.00E-02	6.80E-04	0.2489	L	5.56E-04			1/15/2013 10:44	3014058	46DQ	MXVVH1AA
INTRA-LAB BLANK	SOIL	BLK	7782-49-2	Se	2.01E-03	U	MG/L	5.00E-02	5.00E-02	2.20E-03	0.2489	L	1.84E-03			1/15/2013 10:44	3014058	46DQ	MXVVH1AA
INTRA-LAB CHECK	SOIL	LCS	7440-22-4	Ag	9.35E-01		MG/L	5.00E-02	5.00E-02	8.30E-03	0.2549	L	6.84E-03	0.94	1	1/15/2013 10:47	3014058	46DQ	MXVVH1AA
INTRA-LAB CHECK	SOIL	LCS	7440-38-2	As	9.23E-01		MG/L	5.00E-02	5.00E-02	5.40E-03	0.2549	L	4.47E-03	0.92	1	1/15/2013 10:47	3014058	46DQ	MXVVH1AA
INTRA-LAB CHECK	SOIL	LCS	7440-39-3	Ba	9.76E-01		MG/L	1.00E-02	1.00E-02	1.10E-02	0.2549	L	9.12E-03	0.98	1	1/15/2013 10:47	3014058	46DQ	MXVVH1AA
INTRA-LAB CHECK	SOIL	LCS	7440-41-7	Beryllium	9.66E-01		MG/L	5.00E-04	5.00E-04	4.60E-03	0.2549	L	3.76E-03	0.97	1	1/15/2013 10:47	3014058	46DQ	MXVVH1AA
INTRA-LAB CHECK	SOIL	LCS	7440-43-9	Cadmium	9.48E-01		MG/L	1.00E-02	1.00E-02	9.20E-04	0.2549	L	7.53E-04	0.95	1	1/15/2013 10:47	3014058	46DQ	MXVVH1AA
INTRA-LAB CHECK	SOIL	LCS	7440-47-3	Chromium	1.02E+00		MG/L	5.00E-02	5.00E-02	2.40E-03	0.2549	L	1.95E-03	1.02	1	1/15/2013 10:47	3014058	46DQ	MXVVH1AA
INTRA-LAB CHECK	SOIL	LCS	7439-92-1	Lead	9.43E-01		MG/L	5.00E-02	5.00E-02	2.30E-03	0.2549	L	1.88E-03	0.94	1	1/15/2013 10:47	3014058	46DQ	MXVVH1AA
INTRA-LAB CHECK	SOIL	LCS	7782-49-2	Se	8.84E-01		MG/L	5.00E-02	5.00E-02	7.50E-03	0.2549	L	6.17E-03	0.88	1	1/15/2013 10:47	3014058	46DQ	MXVVH1AA
J1R8D5 DUP	SOIL	DUP	7440-22-4	Ag	-2.35E-01	U	UG/G	1.01E+01	1.01E+01	1.10E-01	0.2486	G	9.06E-02			1/15/2013 12:02	3014058	46DQ	MXVT91A0
J1R8D5 DUP	SOIL	DUP	7440-38-2	As	1.01E+00	U	UG/G	1.01E+01	1.01E+01	8.40E-01	0.2486	G	6.92E-01			1/15/2013 12:02	3014058	46DQ	MXVT91A0
J1R8D5 DUP	SOIL	DUP	7440-39-3	Ba	5.79E+01		UG/G	2.01E+00	2.01E+00	1.50E-01	0.2486	G	1.25E-01			1/15/2013 12:02	3014058	46DQ	MXVT91A0
J1R8D5 DUP	SOIL	DUP	7440-41-7	Beryllium	2.38E-01		UG/G	1.01E-01	1.01E-01	1.20E-02	0.2486	G	1.01E-02			1/15/2013 12:02	3014058	46DQ	MXVT91A0
J1R8D5 DUP	SOIL	DUP	7440-43-9	Cadmium	1.26E-01	U	UG/G	2.01E+00	2.01E+00	4.00E-02	0.2486	G	3.30E-02			1/15/2013 12:02	3014058	46DQ	MXVT91A0
J1R8D5 DUP	SOIL	DUP	7440-47-3	Chromium	2.98E+00	U	UG/G	1.01E+01	1.01E+01	1.30E-01	0.2486	G	1.10E-01			1/15/2013 12:02	3014058	46DQ	MXVT91A0
J1R8D5 DUP	SOIL	DUP	7439-92-1	Lead	1.26E+00	U	UG/G	1.01E+01	1.01E+01	5.40E-01	0.2486	G	4.44E-01			1/15/2013 12:02	3014058	46DQ	MXVT91A0
J1R8D5 DUP	SOIL	DUP	7782-49-2	Se	8.09E-01	U	UG/G	1.01E+01	1.01E+01	6.50E-01	0.2486	G	5.38E-01			1/15/2013 12:02	3014058	46DQ	MXVT91A0
J1R8D5	SOIL	MS	7440-22-4	Ag	1.78E+02		% REC(	1.00E+01	1.00E+01	1.10E+00	0.249	L	8.89E-01	0.89	201	1/15/2013 11:51	3014058	46DQ	MXVT91A0
J1R8D5	SOIL	MS	7440-38-2	As	1.80E+02		% REC(	1.00E+01	1.00E+01	8.20E-01	0.249	L	6.71E-01	0.9	201	1/15/2013 11:51	3014058	46DQ	MXVT91A0
J1R8D5	SOIL	MS	7440-39-3	Ba	1.93E+02		% REC(	2.01E+00	2.01E+00	1.90E+00	0.249	L	1.59E+00	0.96	201	1/15/2013 11:51	3014058	46DQ	MXVT91A0
J1R8D5	SOIL	MS	7440-41-7	Beryllium	1.89E+02		% REC(	1.00E-01	1.00E-01	5.50E-01	0.249	L	4.54E-01	0.94	201	1/15/2013 11:51	3014058	46DQ	MXVT91A0
J1R8D5	SOIL	MS	7440-43-9	Cadmium	1.80E+02		% REC(	2.01E+00	2.01E+00	3.90E-01	0.249	L	3.21E-01	0.89	201	1/15/2013 11:51	3014058	46DQ	MXVT91A0
J1R8D5	SOIL	MS	7440-47-3	Chromium	1.90E+02		% REC(	1.00E+01	1.00E+01	3.70E-01	0.249	L	3.01E-01	0.94	201	1/15/2013 11:51	3014058	46DQ	MXVT91A0
J1R8D5	SOIL	MS	7439-92-1	Lead	1.75E+02		% REC(	1.00E+01	1.00E+01	1.20E+00	0.249	L	9.69E-01	0.87	201	1/15/2013 11:51	3014058	46DQ	MXVT91A0
J1R8D5	SOIL	MS	7782-49-2	Se	1.67E+02		% REC(	1.00E+01	1.00E+01	1.60E+00	0.249	L	1.31E+00	0.83	201	1/15/2013 11:51	3014058	46DQ	MXVT91A0
J1R8D5	SOIL	MSD	7440-22-4	Ag	1.80E+02		% REC(	1.00E+01	1.00E+01	3.00E+00	0.2492	L	2.49E+00	0.9	201	1/15/2013 11:57	3014058	46DQ	MXVT91A0
J1R8D5	SOIL	MSD	7440-38-2	As	1.80E+02		% REC(	1.00E+01	1.00E+01	7.80E-01	0.2492	L	6.43E-01	0.9	201	1/15/2013 11:57	3014058	46DQ	MXVT91A0
J1R8D5	SOIL	MSD	7440-39-3	Ba	1.77E+02		% REC(	2.01E+00	2.01E+00	4.70E+00	0.2492	L	3.84E+00	0.88	201	1/15/2013 11:57	3014058	46DQ	MXVT91A0
J1R8D5	SOIL	MSD	7440-41-7	Beryllium	1.91E+02		% REC(	1.00E-01	1.00E-01	4.60E+00	0.2492	L	3.78E+00	0.95	201	1/15/2013 11:57	3014058	46DQ	MXVT91A0
J1R8D5	SOIL	MSD	7440-43-9	Cadmium	1.80E+02		% REC(	2.01E+00	2.01E+00	5.60E-01	0.2492	L	4.62E-01	0.9	201	1/15/2013 11:57	3014058	46DQ	MXVT91A0
J1R8D5	SOIL	MSD	7440-47-3	Chromium	1.91E+02		% REC(	1.00E+01	1.00E+01	4.50E+00	0.2492	L	3.67E+00	0.95	201	1/15/2013 11:57	3014058	46DQ	MXVT91A0
J1R8D5	SOIL	MSD	7439-92-1	Lead	1.76E+02		% REC(	1.00E+01	1.00E+01	8.30E-01	0.2492	L	6.83E-01	0.88	201	1/15/2013 11:57	3014058	46DQ	MXVT91A0
J1R8D5	SOIL	MSD	7782-49-2	Se	1.68E+02		% REC(	1.00E+01	1.00E+01	1.60E-01	0.2492	L	1.32E-01	0.84	201	1/15/2013 11:57	3014058	46DQ	MXVT91A0

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Richland Laboratory
Data Review Check List
Hexavalent Chromium

Batch Number(s):	3014046	Lab Sample Numbers or SDG:	J01665

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: 10-22602

Analyst [signature] Date 1/15/13 2nd Review [signature] Date 1/15/13

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Clouseau
Nonconformance Memo

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

NCM #: **10-22602**
NCM Initiated By: Traci KROUPA
Date Opened: 01/15/2013
Date Closed:

Classification: **Deficiency**
Status: **PMREVIEW**
Production Area: Classical Chemistry
Tests: 7196A
Lot #'s (Sample #'s): J3A140000 (46), J3A140415 (1,2,3,4,5),
QC Batches: 3014046,

Nonconformance: Batch Result Out of Limits
Subcategory: MS/MSD result outside acceptance limits

Problem Description / Root Cause

Name	Date	Description
Traci KROUPA	01/15/2013	The MS was below the acceptable range.

Corrective Action

Name	Date	Corrective Action
Traci KROUPA	01/15/2013	A PDMS was performed and recoved at 95.2% suggesting a reducing capacity in sample MXVQ71AC/J1R8F9.

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

TK 1/15/13

Date Printed: 1/15/2013

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Richland Laboratory
Data Review Check List
Hexavalent Chromium

Batch Number(s):	3014057	Lab Sample Numbers or SDG:	J01665

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 1/14/13 2nd Review [signature] Date 1/15/13

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Richland Laboratory
Data Review Check List
Hexavalent Chromium

Batch Number(s):	3014060	Lab Sample Numbers or SDG:	J01665

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 1/14/13 2nd Review [signature] Date 1/15/13

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Washington Closure Hanford	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		RC-207-154	Page 1 of 1
Collector R. Brackett	**Company Contact** Joan Kessner	**Telephone No.** 509-375-4688	**Project Coordinator** KESSNER, JH	**Price Code** ~~8L~~ DH 1/7/13 **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

J3A140415

JO 1665
Due 1-15-13

J3A140415

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										
J1R8F9 mXVQ7	SOIL	01/14/13	0940	X	X								
J1R8H0 mXVQ8	SOIL	01/14/13	0945	X	X								
J1R8H1 mXVQ9	SOIL	01/14/13	0950	X	X								
J1R8H2 mXVRA	SOIL	01/14/13	0955	X	X								
J1R8H3 mXVRC	SOIL	01/14/13	1000	X	X								

CHAIN OF POSSESSION		Sign/Print Names	
Relinquished By/Removed From: Rob Brackett	Date/Time 1005 1-14-13	Received By/Stored In: Don Heidelberg	Date/Time 1005 1/14/13
Relinquished By/Removed From: * AJ Don Heidelberg	Date/Time 1030 1/14/13	Received By/Stored In: Linda Bingham	Date/Time 1-14-13 1030
Relinquished By/Removed From: Linda Bingham WCH	Date/Time 1-14-13 1337	Received By/Stored In: J. Bock / Bock TALR	Date/Time 1-14-13 1337
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}

* per telecom w/ D. Heidelberg
AJ 1-14-13

REVIEWED BY AJ
DATE 1-14-13

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: 1-14-13 / 1337 GM Screen Result: (Airlock) .10 Initials [B]
(Sample Receiving) .06 Initials [B]

Client: WCH SDG #: 50146165 NA [ ] SAF #: RC-207 NA [ ]

Lot Number: J3A140415

Chain of Custody # RC-207-154

Shipping Container ID: hand deliv. 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: 3.8 °C Ice packs 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): 5
7. Containers received: 10 x 125 mLp
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
    ____ Other
    ____ are leaking
    ____ have air bubbles (Only for samples requiring no head space)
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 : N/A
13. Were any anomalies identified in sample receipt? Yes [ ] No [B]
14. Description of anomalies (include sample numbers): NA [B]

LS-023, Rev. 14, 06/11

See over for additional information.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

16. Additional Information: N/A

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

Sample Custodian: (signature) Bock Date: 1-14-13

Client Informed on ____ by ____ Person contacted ____

[X] No action necessary; process as is

Project Manager (signature) Date 1/14/13

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

Bock 1-14-13 Bock 1-14-13

J3A140415 RW 1/14/13

LS-023, Rev. 14, 06/11

See over for additional information.

Washington Closure Hanford	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		RC-207-152	Page 1 of 2
Collector R. Brackett	**Company Contact** Joan Kessner	**Telephone No.** 509-375-4688	**Project Coordinator** KESSNER, JH	**Price Code** ~~8L~~ 04/17/13 **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 (ACL)		**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

J3A140419

JO1665
Due 1-15-13

J3A140419

Preservation				Cool 4C	None	Cool 4C							
Type of Container				G/P	G/P	G/P							
No. of Container(s)				1	4	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										
J1R8C5 mXVTK	SOIL	01/14/13	1315	X	N/A	X							
J1R8C6 mXVTL	SOIL	01/14/13	1320	X	N/A	X							
J1R8C7 mXVTM	SOIL	01/14/13	1325	X	N/A	X							
J1R8C8 mXVTN	SOIL	01/14/13	1330	X	N/A	X							
J1R8C9 mXVTP	SOIL	01/14/13	1335	X	N/A	X							

01/10/13

CHAIN OF POSSESSION		Sign/Print Names	
Relinquished By/Removed From: Rob Brackett [signature]	Date/Time 1405 1-14-13	Received By/Stored In: c. Martinez / c. Martinez	Date/Time 1405 01/14/13
Relinquished By/Removed From: c. Martinez / c. Martinez	Date/Time 1510 01/14/13	Received By/Stored In: A. Freier A. Freier	Date/Time 1510 1-14-13
Relinquished By/Removed From: WCH A. Freier A. Freier	Date/Time 1530 1-14-13	Received By/Stored In: J. Bock J. Bock THLR	Date/Time 1-14-13 1530
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}
(2) ~~QTL TCLP ICP Metals - 1311/6010 {Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, Silver}~~ [initials]

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

REVIEWED BY [initials] DATE 1-14-13

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-207-152	Page 2 of 2
Collector R. Brackett	**Company Contact** Joan Kessner	**Telephone No.** 509-375-4688	**Project Coordinator** KESSNER, JH	**Price Code** ~~8L~~ DH 1/7/13 **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 (ACL)		**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

J3A140419

J01665
Due 1-15-13

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							
SAMPLE ANALYSIS				See item (1) in Special Instructions.	See item (2) in Special Instructions. 01/10/13	Chromium Hex - 7196 - Quick Turn							
Sample No.	Matrix *	Sample Date	Sample Time										
J1R8D0 mXVTQ	SOIL	01/14/13	1340	X	N/A	X							
J1R8D1 mXVTR	SOIL	01/14/13	1345	X	N/A	X							
J1R8D2 mXVTT	SOIL	01/14/13	1350	X	N/A	X							
J1R8D3 mXVTV	SOIL	01/14/13	1355	X	N/A	X							
J1R8D4 mXVTW	SOIL	01/14/13	1400	X	N/A	X							

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

Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Rob Brackett RQB	1405 1-14-13 1/14/13	C. Martinez / C. Martinez	1405 01/14/13
C. Martinez / C. Martinez	1510 01/14/13	A. Freier A. Freier	1510 1-14-13
A Freier A. Freier WCH	1-14-13 1530	J. Bock / Bock TAUR	1-14-13 1530

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}~~ 01/10/13

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

REVIEWED BY CMB DATE 1-14-13

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: 1-14-13 / 1530 GM Screen Result: (Airlock) .08 Initials [B]
(Sample Receiving) .04 Initials [B]

Client: WCH SDG #: JO 14665 NA [ ] SAF #: RC-207 NA [B] 1-14-13

Lot Number: J3A140419

Chain of Custody # RC-207-152; 153 [B] 1-14-13

Shipping Container ID: hand delivered NA [N]

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: 5.4 °C 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): 10
7. Containers received: 20 x 125mLp
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 : N/A
13. Were any anomalies identified in sample receipt? Yes [ ] No [B]
14. Description of anomalies (include sample numbers): NA [B]

LS-023, Rev. 14, 06/11 See over for additional information.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

16. Additional Information: N/A

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

Sample Custodian: [signature] Date: 1-14-13

Client Informed on ____ by ____ Person contacted ____

[X] No action necessary; process as is

Project Manager [signature] Date 1/15/13

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

Bock 1-14-13 Bock 1-14-13

LS-023, Rev. 14, 06/11 J3A140419 PW 1/15/13

See over for additional information.

Washington Closure Hanford	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		RC-207-152	Page 1 of 1
Collector R. Brackett	**Company Contact** Joan Kessner	**Telephone No.** 509-375-4688	**Project Coordinator** KESSNER, JH	**Price Code** ~~8L~~ 04/17/13 **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 (ACL)		**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

J3A140421

JO 1445
Due 1-15-13

J3A140421

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										
J1R8D5 mXVT9	SOIL	01/14/13	1405	X		X							
J1R8D6 mXVVD	SOIL	01/14/13	1410	X		X							

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

Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Rob Brackett	1452 1-14-13	Don Heidelberg	1450 1/14/13
Don Heidelberg	1600 1/14/13	Cindy Bingham	1-14-13 1600
Cindy Bingham	1-14-13 1614	J Bock	1-14-13 1614

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}~~ 01/10/13

REVIEWED BY AJ
DATE 1-14-13

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-207-148	Page ~~2 of 2~~ 1 of 1 PH 1/9/13

Collector R. Brackett	**Company Contact** Joan Kessner	**Telephone No.** 509-375-4688	**Project Coordinator** KESSNER, JH
Price Code 8L	**Data Turnaround** ~~21 Days~~ Quick Turn PH 1/7/13		
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-1655-07	**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

J3A140421

J01645
Due 1-15-13

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									
SAMPLE ANALYSIS	See item (1) in Special Instructions.	See item (2) in Special Instructions.	Chromium Hex - 7196 - Quick Turn									

Sample No.	Matrix *	Sample Date	Sample Time										
J1R7V9 mXVVE	SOIL	01/14/13	1415	X		X							
J1R7W0	SOIL												
J1R7W1 PH 1/14	SOIL												
J1R7W2	SOIL												
J1R7W3	SOIL												

CHAIN OF POSSESSION	Sign/Print Names	
Relinquished By/Removed From	Date/Time 1450 1-14-13	Received By/Stored In	Date/Time 1450 1/14/13
Relinquished By/Removed From	Date/Time 1600 1/14/13	Received By/Stored In	Date/Time 1-14-13 1600
Relinquished By/Removed From	Date/Time 1-14-13 1614	Received By/Stored In	Date/Time 1-14-13 1614
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}
~~(2) QTL TCLP ICP Metals - 1311/6010 {Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, Silver}~~ 01/10/13

REVIEWED BY
DATE 1-14-13

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: 1-14-13/ 1614 GM Screen Result: (Airlock) .04 Initials [ ]
(Sample Receiving) .04 Initials [ ]

Client: WCH SDG #: J01665 NA [ ] SAF #: RL-207 NA [ ]

Lot Number: J3A140421

Chain of Custody # RL-207-152; 148

Shipping Container ID: hand deliv. 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: 15.1 °C 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): 3
7. Containers received: 6 x 125 mLP
8. Sample holding times exceeded? NA [ ] Yes [ ] No [ ]
9. Samples have:
   ____tape ____hazard labels
   ____custody seals ____appropriate sample labels
10. Matrix:
    ____A (FLT, Wipe, Solid, Soil) ____I (Water)
    ____S (Air, Niosh 7400) ____T (Biological, Ni-63)
11. Samples:
    ____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 [ ]
    (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 [ ]
14. Description of anomalies (include sample numbers): NA [ ]

LS-023, Rev. 14, 06/11 See over for additional information.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

16. Additional Information: N/A

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

Sample Custodian: [signature] Date: 1-14-13

Client Informed on _____ by _____ Person contacted _____

[X] No action necessary; process as is

Project Manager [signature] Date 1/15/13

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

[signature] 1-14-13 [signature] 1-14-13

J3A 140421 RW 1/15/13

LS-023, Rev. 14, 06/11

See over for additional information.

1/14/2013 4:24:25 PM

Sample Preparation/Analysis

127642, Washington Closure Hanford LLC ,
Washington Closure Hanford LLC

DW Alkaline Digestion by method 3060A
EA Chromium, Hexavalent (7196A)

AnalyDueDate: 01/15/2013

5I CLIENT: HANFORD

Balance Id:

Pipet #: _____

Sep1 DT/Tm Tech:

Sep2 DT/Tm Tech:

Prep Tech:

Batch: 3014046 SOIL mg/kg **PM, Quote: RW2, 88144**

SEQ Batch, Test: None All Tests: 3014046 DWEA, 3014047 , 3014047 46DQ,

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 MXVQ7-1-AC													
J3A140415-1-SAMP													
01/14/2013 09:40			AmtRec: 2X125MLP		#Containers: 2				Scr:		Alpha:		Beta:
2 MXVQ7-1-AL-S													
J3A140415-1-MS													
01/14/2013 09:40			AmtRec: 2X125MLP		#Containers: 2				Scr:		Alpha:		Beta:
3 MXVQ7-1-AM-X													
J3A140415-1-DUP													
01/14/2013 09:40			AmtRec: 2X125MLP		#Containers: 2				Scr:		Alpha:		Beta:
4 MXVQ8-1-AC													
J3A140415-2-SAMP													
01/14/2013 09:45			AmtRec: 2X125MLP		#Containers: 2				Scr:		Alpha:		Beta:
5 MXVQ9-1-AC													
J3A140415-3-SAMP													
01/14/2013 09:50			AmtRec: 2X125MLP		#Containers: 2				Scr:		Alpha:		Beta:
6 MXVRA-1-AC													
J3A140415-4-SAMP													
01/14/2013 09:55			AmtRec: 2X125MLP		#Containers: 2				Scr:		Alpha:		Beta:
7 MXVRC-1-AC													
J3A140415-5-SAMP													
01/14/2013 10:00			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

Page 1

ISV - Insufficient Volume for Analysis

WO Cnt: 7

ICOC v4.8.49

1/14/2013 4:24:25 PM

Sample Preparation/Analysis

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

Balance Id:

Pipet #:

Sep1 DT/Tm Tech:

Sep2 DT/Tm Tech:

Prep Tech:

AnalyDueDate: 01/15/2013

Batch: 3014046 mg/kg
SEQ Batch, Test: None

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 MXVRV-1-AA-B													
J3A140000-46-BLK													
01/14/2013 16:24 pd			AmtRec:	#Containers: 1					Scr:		Alpha:		Beta:
9 MXVRV-1-AC-C													
J3A140000-46-LCS													
01/14/2013 16:24 pd			AmtRec:	#Containers: 1					Scr:		Alpha:		Beta:

Comments:

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

MXVQ71AC-SAMP Constituent List:

MXVQ71AL-MS Constituent List:

MXVRV1AA-BLK:

MXVRV1AC-LCS:

MXVQ71AC-SAMP Calc Info:
     Uncert Level (#s).: 2     Decay to SaDt: Y    Blk Subt.: N     Sci.Not.: Y     ODRs: B
MXVQ71AL-MS Calc Info:
     Uncert Level (#s).: 2     Decay to SaDt: Y    Blk Subt.: N     Sci.Not.: Y     ODRs: B
MXVRV1AA-BLK:
     Uncert Level (#s).: 2     Decay to SaDt: Y    Blk Subt.: N     Sci.Not.: Y     ODRs: B
MXVRV1AC-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: 01/15/2013

Batch: 3014057 SOIL mg/kg
SEQ Batch, Test: None

PM, Quote: RW2, 88144

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 MXVTK-1-AC J3A140419-1-SAMP 01/14/2013 13:15			AmtRec: 2X125MLP		#Containers: 2				Scr:		Alpha:		Beta:
2 MXVTK-1-CE-S J3A140419-1-MS 01/14/2013 13:15			AmtRec: 2X125MLP		#Containers: 2				Scr:		Alpha:		Beta:
3 MXVTK-1-CF-X J3A140419-1-DUP 01/14/2013 13:15			AmtRec: 2X125MLP		#Containers: 2				Scr:		Alpha:		Beta:
4 MXVTL-1-AC J3A140419-2-SAMP 01/14/2013 13:20			AmtRec: 2X125MLP		#Containers: 2				Scr:		Alpha:		Beta:
5 MXVTM-1-AC J3A140419-3-SAMP 01/14/2013 13:25			AmtRec: 2X125MLP		#Containers: 2				Scr:		Alpha:		Beta:
6 MXVTN-1-AC J3A140419-4-SAMP 01/14/2013 13:30			AmtRec: 2X125MLP		#Containers: 2				Scr:		Alpha:		Beta:
7 MXVTP-1-AC J3A140419-5-SAMP 01/14/2013 13:35			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

127642, Washington Closure Hanford LLC
Washington Closure Hanford LLC

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

Balance Id:
Pipet #:

AnalyDueDate: 01/15/2013

Sep1 DT/Tm Tech:

Batch: 3014057 SOIL mg/kg
SEQ Batch, Test: None

PM, Quote: RW2, 88144

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 MXVTQ-1-AC J3A140419-6-SAMP 01/14/2013 13:40			AmtRec: 2X125MLP		#Containers: 2				Scr:		Alpha:		Beta:
9 MXVTR-1-AC J3A140419-7-SAMP 01/14/2013 13:45			AmtRec: 2X125MLP		#Containers: 2				Scr:		Alpha:		Beta:
10 MXVTT-1-AC J3A140419-8-SAMP 01/14/2013 13:50			AmtRec: 2X125MLP		#Containers: 2				Scr:		Alpha:		Beta:
11 MXVTV-1-AC J3A140419-9-SAMP 01/14/2013 13:55			AmtRec: 2X125MLP		#Containers: 2				Scr:		Alpha:		Beta:
12 MXVTW-1-AC J3A140419-10-SAMP 01/14/2013 14:00			AmtRec: 2X125MLP		#Containers: 2				Scr:		Alpha:		Beta:
13 MXVVF-1-AA-B J3A140000-57-BLK 01/14/2013 17:38 pd			AmtRec:		#Containers: 1				Scr:		Alpha:		Beta:
14 MXVVF-1-AC-C J3A140000-57-LCS 01/14/2013 17:38 pd			AmtRec:		#Containers: 1				Scr:		Alpha:		Beta:

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Sample Preparation/Analysis

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

AnalyDueDate: 01/15/2013

Batch: 3014057 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

MXVTK1AC-SAMP Constituent List:

MXVTK1CE-MS Constituent List:

MXVVF1AA-BLK:

MXVVF1AC-LCS:

MXVTK1AC-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
MXVTK1CE-MS Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
MXVVF1AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
MXVVF1AC-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: 01/15/2013

Batch: 3014060 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:
1 **MXVT9-1-AC** J3A140421-1-SAMP 01/14/2013 14:05			AmtRec: 2X125MLP		#Containers: 2				Scr:		Alpha:		Beta:
2 **MXVT9-1-CE-S** J3A140421-1-MS 01/14/2013 14:05			AmtRec: 2X125MLP		#Containers: 2				Scr:		Alpha:		Beta:
3 **MXVT9-1-CF-X** J3A140421-1-DUP 01/14/2013 14:05			AmtRec: 2X125MLP		#Containers: 2				Scr:		Alpha:		Beta:
4 **MXVVD-1-AC** J3A140421-2-SAMP 01/14/2013 14:10			AmtRec: 2X125MLP		#Containers: 2				Scr:		Alpha:		Beta:
5 **MXVVE-1-AC** J3A140421-3-SAMP 01/14/2013 14:15			AmtRec: 2X125MLP		#Containers: 2				Scr:		Alpha:		Beta:
6 **MXVVK-1-AA-B** J3A140000-60-BLK 01/14/2013 17:38 pd			AmtRec:		#Containers: 1				Scr:		Alpha:		Beta:
7 **MXVVK-1-AC-C** J3A140000-60-LCS 01/14/2013 17:38 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

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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

Balance Id:

Pipet #:

AnalyDueDate: 01/15/2013

Sep1 DT/Tm Tech:

Batch: 3014060 mg/kg
SEQ Batch, Test: None

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

MXVT91AC-SAMP Constituent List:

MXVT91CE-MS Constituent List:

MXVVK1AA-BLK:

MXVVK1AC-LCS:

MXVT91AC-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
MXVT91CE-MS Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
MXVVK1AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
MXVVK1AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B