

SAF-RC-074

**100-D/DR Burial Grounds & Remaining
Sites – Soil In-Process**

FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Kathy Wendt H4-21

KW 1/29/13
INITIAL/DATE

COMMENTS:

SDG J01673 SAF RC-074

Rad only Chem only Rad & Chem
 Complete Partial

Waste Site: 100-D-100 In-Situ BCL 18-30' bgs

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 49 Pages

Report No.: 54358

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. |
|---------|-----------|-------------------------------|--------------|------------|--------------|-----------|
| J01673 | RC-074 | J1RCJ5 | J3A210427-1 | MXW9C1AC | 9MXW9C10 | 3021049 |
| | | J1RCJ6 | J3A210427-2 | MXW9F1AC | 9MXW9F10 | 3021049 |
| | | J1RCJ7 | J3A210427-3 | MXW9G1AC | 9MXW9G10 | 3021049 |
| | | J1RCJ8 | J3A210427-4 | MXW9J1AC | 9MXW9J10 | 3021049 |
| | | J1RCJ9 | J3A210427-5 | MXW9K1AC | 9MXW9K10 | 3021049 |
| | | J1RCK0 | J3A210427-6 | MXW9M1AC | 9MXW9M10 | 3021049 |
| | | J1RCK1 | J3A210427-7 | MXW9N1AC | 9MXW9N10 | 3021049 |
| | | J1RCK2 | J3A210427-8 | MXW9Q1AC | 9MXW9Q10 | 3021049 |
| | | J1RCK3 | J3A210427-9 | MXW9T1AC | 9MXW9T10 | 3021049 |
| | | J1RCK4 | J3A210427-10 | MXW9V1AC | 9MXW9V10 | 3021049 |
| | | J1RCK5 | J3A210427-11 | MXW9W1AC | 9MXW9W10 | 3021049 |
| | | J1RCK6 | J3A210427-12 | MXW9X1AC | 9MXW9X10 | 3021049 |
| | | J1RCK7 | J3A210427-13 | MXW911AC | 9MXW9110 | 3021049 |
| | | J1RCK8 | J3A210427-14 | MXW931AC | 9MXW9310 | 3021049 |
| | | J1RCK9 | J3A210427-15 | MXW941AC | 9MXW9410 | 3021049 |
| | | J1RCL0 | J3A210427-16 | MXW961AC | 9MXW9610 | 3021049 |
| | | J1RCL1 | J3A210427-17 | MXW981AC | 9MXW9810 | 3021049 |
| | | J1RCL2 | J3A210427-18 | MXXAA1AC | 9MXXAA10 | 3021049 |
| | | J1RCL3 | J3A210427-19 | MXXAC1AC | 9MXXAC10 | 3021049 |
| | | J1RCL4 | J3A210427-20 | MXXAD1AC | 9MXXAD10 | 3021049 |



THE LEADER IN ENVIRONMENTAL TESTING

Certificate of Analysis

TestAmerica Laboratories, Inc.

Washington Closure Hanford
2620 Fermi Avenue
Richland, WA 99354

January 25, 2013

Attention: Joan Kessner

| | | |
|-------------------|---|-----------------------------|
| SAF Number | : | RC-074 |
| Date SDG Closed | : | January 21, 2013 |
| Number of Samples | : | Twenty (20) |
| Sample Type | : | Soil |
| SDG Number | : | J01673 |
| Data Deliverable | : | Quick Turn Metals / Summary |

CASE NARRATIVE

I. Introduction

On January 21, 2013, twenty soil samples were received at TestAmerica for analysis. Upon receipt, the samples were assigned the following laboratory ID numbers to correspond with the Washington Closure Hanford (WCH) specific ID;

| WCH ID# | TARL ID# | MATRIX | DATE OF RECEIPT |
|---------|----------|--------|-----------------|
| J1RCJ5 | MXW9C | SOIL | 1/21/13 |
| J1RCJ6 | MXW9F | SOIL | 1/21/13 |
| J1RCJ7 | MXW9G | SOIL | 1/21/13 |
| J1RCJ8 | MXW9J | SOIL | 1/21/13 |
| J1RCJ9 | MXW9K | SOIL | 1/21/13 |
| J1RCK0 | MXW9M | SOIL | 1/21/13 |
| J1RCK1 | MXW9N | SOIL | 1/21/13 |
| J1RCK2 | MXW9Q | SOIL | 1/21/13 |
| J1RCK3 | MXW9T | SOIL | 1/21/13 |
| J1RCK4 | MXW9V | SOIL | 1/21/13 |
| J1RCK5 | MXW9W | SOIL | 1/21/13 |
| J1RCK6 | MXW9X | SOIL | 1/21/13 |
| J1RCK7 | MXW91 | SOIL | 1/21/13 |
| J1RCK8 | MXW93 | SOIL | 1/21/13 |
| J1RCK9 | MXW94 | SOIL | 1/21/13 |
| J1RCL0 | MXW96 | SOIL | 1/21/13 |
| J1RCL1 | MXW98 | SOIL | 1/21/13 |
| J1RCL2 | MXXAA | SOIL | 1/21/13 |
| J1RCL3 | MXXAC | SOIL | 1/21/13 |
| J1RCL4 | MXXAD | SOIL | 1/21/13 |

Washington Closure Hanford
January 25, 2013

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 J01673 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

One batch was analyzed for the samples with the standard metal request list.

Batch 3021042:

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

One batch was analyzed.

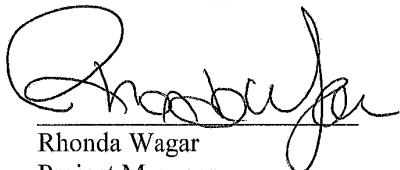
Batch 3021049:

The LCS, batch blank, samples, sample duplicate (J1RCJ5) and sample matrix spike (J1RCJ5) 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.

Washington Closure Hanford
January 25, 2013

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, $R = \text{constants} * f(x,y,z,...)$. 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/\sqrt{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 <i>combined uncertainty</i> . 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%. $Lc = (1.645 * \sqrt{2 * (BkgndCnt/BkgndCntMin) / SCntMin}) * (\text{ConvFct} / (\text{Eff} * \text{Yld} * \text{Abn} * \text{Vol})) * \text{IngrFct}$. 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%. $MDC = (4.65 * \sqrt{(BkgndCnt/BkgndCntMin) / SCntMin}) + 2.71 / SCntMin * (\text{ConvFct} / (\text{Eff} * \text{Yld} * \text{Abn} * \text{Vol})) * \text{IngrFct}$. 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 = $(S-D)/[\sqrt{(TPUs^2 + TPUs^2)}]$ 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 TPUs 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. |

Sample Results Summary

Date: 25-Jan-13

TestAmerica TARL

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

Report No. : 54358

SDG No: J01673

| Client Id Batch | Work Order | Parameter | Result +- Uncertainty (2s) | Qual | Units | Tracer Yield | MDL | CRDL | RPD |
|--------------------|------------|--------------------|-----------------------------|------|-------|--------------|----------|----------|------|
| 3021049 7196_CR6 | | | | | | | | | |
| | J1RCJ5 | MXW9C1AC HEXCHROME | 2.54E-01 +- 0.0E+00 | | mg/kg | N/A | 1.55E-01 | 1.55E-01 | |
| | | MXW9C1C HEXCHROME | 3.39E-01 +- 0.0E+00 | | mg/kg | N/A | 1.55E-01 | 3.50E-01 | 28.7 |
| | J1RCJ6 | MXW9F1AC HEXCHROME | 2.45E-01 +- 0.0E+00 | | mg/kg | N/A | 1.55E-01 | 1.55E-01 | |
| | J1RCJ7 | MXW9G1AC HEXCHROME | 3.28E-01 +- 0.0E+00 | | mg/kg | N/A | 1.55E-01 | 1.55E-01 | |
| | J1RCJ8 | MXW9J1AC HEXCHROME | 3.58E-01 +- 0.0E+00 | | mg/kg | N/A | 1.55E-01 | 1.55E-01 | |
| | J1RCJ9 | MXW9K1AC HEXCHROME | 3.24E-01 +- 0.0E+00 | | mg/kg | N/A | 1.55E-01 | 1.55E-01 | |
| | J1RCK0 | MXW9M1A HEXCHROME | 3.64E-01 +- 0.0E+00 | | mg/kg | N/A | 1.55E-01 | 1.55E-01 | |
| | J1RCK1 | MXW9N1AC HEXCHROME | 3.87E-01 +- 0.0E+00 | | mg/kg | N/A | 1.55E-01 | 1.55E-01 | |
| | J1RCK2 | MXW9Q1AC HEXCHROME | 3.02E-01 +- 0.0E+00 | | mg/kg | N/A | 1.55E-01 | 1.55E-01 | |
| | J1RCK3 | MXW9T1AC HEXCHROME | 2.99E-01 +- 0.0E+00 | | mg/kg | N/A | 1.55E-01 | 1.55E-01 | |
| | J1RCK4 | MXW9V1AC HEXCHROME | 2.41E-01 +- 0.0E+00 | | mg/kg | N/A | 1.55E-01 | 1.55E-01 | |
| | J1RCK5 | MXW9W1A HEXCHROME | 3.24E-01 +- 0.0E+00 | | mg/kg | N/A | 1.55E-01 | 1.55E-01 | |
| | J1RCK6 | MXW9X1AC HEXCHROME | 3.36E-01 +- 0.0E+00 | | mg/kg | N/A | 1.55E-01 | 1.55E-01 | |
| | J1RCK7 | MXW911AC HEXCHROME | 4.80E-01 +- 0.0E+00 | | mg/kg | N/A | 1.55E-01 | 1.55E-01 | |
| | J1RCK8 | MXW931AC HEXCHROME | 5.17E-01 +- 0.0E+00 | | mg/kg | N/A | 1.55E-01 | 1.55E-01 | |
| | J1RCK9 | MXW941AC HEXCHROME | 4.59E-01 +- 0.0E+00 | | mg/kg | N/A | 1.55E-01 | 1.55E-01 | |
| | J1RCL0 | MXW961AC HEXCHROME | 4.00E-01 +- 0.0E+00 | | mg/kg | N/A | 1.55E-01 | 1.55E-01 | |
| | J1RCL1 | MXW981AC HEXCHROME | 3.26E-01 +- 0.0E+00 | | mg/kg | N/A | 1.55E-01 | 1.55E-01 | |
| | J1RCL2 | MXXAA1AC HEXCHROME | 3.34E-01 +- 0.0E+00 | | mg/kg | N/A | 1.55E-01 | 1.55E-01 | |
| | J1RCL3 | MXXAC1AC HEXCHROME | 2.66E-01 +- 0.0E+00 | | mg/kg | N/A | 1.55E-01 | 1.55E-01 | |

TestAmerica RPD - Relative Percent Difference.

rptSTLRchSaSum
mary2 V5.2.23
A2002

Sample Results Summary

Date: 25-Jan-13

TestAmerica TARL

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

Report No. : 54358**SDG No: J01673**

| Client Id Batch | Work Order | Parameter | Result +- Uncertainty (2s) | Qual | Units | Tracer Yield | MDL | CRDL | RPD |
|--------------------|------------|--------------------|-----------------------------|------|-------|-----------------|----------|----------|-----|
| 3021049 7196_CR6 | J1RCL4 | MXXAD1AC HEXCHROME | 3.64E-01 +- 0.0E+00 | | mg/kg | N/A | 1.55E-01 | 1.55E-01 | |
| | | No. of Results: 21 | | | | | | | |

TestAmerica RPD - Relative Percent Difference.

rptSTLRchSaSum
mary2 V5.2.23
A2002

QC Results Summary
TestAmerica TARL
 Ordered by Method, Batch No, QC Type.,

Date: 25-Jan-13

Report No.: 54358

SDG No.: J01673

| Batch Work Order | Parameter | Result +- Uncertainty (2s) | Qual | Units | Tracer Yield | LCS Recovery | Bias | MDL |
|------------------------------|-----------|-----------------------------|------|-------|-----------------|-----------------|------|----------|
| 7196_CR6 | | | | | | | | |
| 3021049 MATRIX SPIKE, J1RCJ5 | | | | | | | | |
| MXW9C1CE HEXCHROME | | 2.78E+01 +- 0.0E+00 | | mg/kg | N/A | 92% | -0.1 | 1.55E-01 |
| 3021049 LCS, | | | | | | | | |
| MXXCW1AC HEXCHROME | | 1.85E+01 +- 0.0E+00 | | mg/kg | N/A | 97% | 0.0 | 1.55E-01 |
| 3021049 BLANK QC, | | | | | | | | |
| MXXCW1AA HEXCHROME | | 1.55E-01 +- 0.0E+00 | U | mg/kg | N/A | | | 1.55E-01 |
| No. of Results: 3 | | | | | | | | |

TestAmerica Bias - (Result/Expected)-1 as defined by ANSI N13.30.
 rptSTLRchQcSum U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdl, Total Uncert, CRDL, RDL or
 mary V5.2.23 not identified by gamma scan software.
 A2002

FORM I
SAMPLE RESULTS

Date: 25-Jan-13

Lab Name: TestAmerica
Lot-Sample No.: J3A210427-1
Client Sample ID: J1RCJ5

| Parameter | Result | Qual | Count | Total | MDL, Action Lev | Rpt Unit, Lc | Yield CRDL(RL) | Rst/MDL, Rst/TotUncert | Analysis, Prep Date | Total Sa Size | Aliquot Size | Primary Detector |
|-----------------------------|----------------------|------|-------|---------------------------------|----------------------|-----------------|-------------------------------|---------------------------|------------------------|------------------|-----------------|---------------------|
| Batch: 3021049 HEXCHROME | 7196 CR6 2.54E-01 | | | Work Order: MXW9C1AC 0.0E+00 | MXW9C1AC 1.55E-01 | mg/kg | Report DB ID: 9MXW9C10 N/A | (1.6) N/A | 1/21/13 03:45 p | 2.578 N/A | g | |
| No. of Results: 1 | | | | Comments: | | | | | | | | |

FORM I
SAMPLE RESULTS

Date: 25-Jan-13

Lab Name: TestAmerica
Lot-Sample No.: J3A210427-2
Client Sample ID: J1RCJ6

| Parameter | Result | Count | Total | MDL, Action Lev | Rpt Unit, Lc | Yield | Rst/MDL, Rst/TotUncert | Analysis, Prep Date | Total Sa Size | Aliquot Size | Primary Detector |
|----------------|----------|----------------------|-------------|--------------------|-----------------|------------------------|---------------------------|------------------------|------------------|-----------------|---------------------|
| Batch: 3021049 | 7196 CR6 | Work Order: MXW9F1AC | Uncert(2 s) | 0.0E+00 | 1.55E-01 | Report DB ID: 9MXW9F10 | mg/kg | N/A | (1.6) | 1/21/13 03:45 p | 2.497 |
| HEXCHROME | 2.45E-01 | | | | | | | 1.55E-01 | N/A | | g |

No. of Results: 1 Comments:

FORM I
SAMPLE RESULTS

Date: 25-Jan-13

Lab Name: TestAmerica
 Lot-Sample No.: J3A210427-3
 Client Sample ID: J1RCJ7

| Parameter | Result | Count | Total | MDL, Action Lev | Rpt Unit, Lc | Yield CRDL(RL) | Rst/MDL, Rst/TotUncert | Analysis, Prep Date | Total Sa Size | Aliquot Size | Primary Detector |
|----------------|----------|----------------------|------------------------|--------------------|-----------------|-------------------|---------------------------|------------------------|------------------|-----------------|---------------------|
| Batch: 3021049 | 7196 CR6 | Work Order: MXW9G1AC | Report DB ID: 9MXW9G10 | | | | | | | | |
| HEXCHROME | 3.28E-01 | 0.0E+00 | 1.55E-01 | mg/kg | N/A | (2.1) | 1/21/13 03:45 p | 2.5542 | | | g |

No. of Results: 1 Comments:

FORM I
SAMPLE RESULTS

Date: 25-Jan-13

Lab Name: TestAmerica
 Lot-Sample No.: J3A210427-4
 Client Sample ID: J1RCJ8

SDG: J01673

Report No. : 54358

COC No. : RC-074-450

Collection Date: 1/18/2013 10:28:00 AM

Received Date: 1/21/2013 10:55:00 AM

Matrix: SOIL

Ordered by Client Sample ID, Batch No.

| Parameter | Result | Count | Total | MDL, | Rpt Unit, | Yield | Rst/MDL, | Analysis, | Total Sa | Aliquot | Primary |
|----------------|-----------|---------|----------------------|------------|------------------------|----------|-----------------|-----------|----------|---------|----------|
| | | Qual | Uncert(2 s) | Action Lev | Lc | CRDL(RL) | Rst/TotUcert | Prep Date | Size | Size | Detector |
| Batch: 3021049 | 7196_CRF6 | | Work Order: MXW9J1AC | | Report DB ID: 9MXW9J10 | | | | | | |
| HEXCHROME | 3.58E-01 | 0.0E+00 | 1.55E-01 | mg/kg | N/A | (2.3) | 1/21/13 03:45 p | 2.5403 | | | g |

No. of Results: 1 Comments:

FORM I
SAMPLE RESULTS

Date: 25-Jan-13

Lab Name: TestAmerica
Lot-Sample No.: J3A210427-5
Client Sample ID: J1RCJ9

| Parameter | Result | Count | Total | Rpt Unit, | Yield | Analysis, | Total Sa | Aliquot | Primary |
|----------------|----------|----------------------|------------------------|-----------|----------|---------------|-----------------|---------|----------|
| | | Qual | Uncert(2 s) | Lc | CRDL(RL) | Rst/TotUncert | Prep Date | Size | Detector |
| Batch: 3021049 | 7196 CR6 | Work Order: MXW9K1AC | Report DB ID: 9MXW9K10 | | | | | | |
| HEXCHROME | 3.24E-01 | 0.0E+00 | 1.55E-01 | mg/kg | N/A | (2.1) | 1/21/13 03:45 p | 2.4698 | |
| | | | | | 1.55E-01 | N/A | | | g |

No. of Results: 1 Comments:

FORM I
SAMPLE RESULTS

Date: 25-Jan-13

Lab Name: TestAmerica
Lot-Sample No.: J3A210427-6
Client Sample ID: J1RCK0

SDG: J01673
Report No. : 54358
COC No. : RC-074-450

Collection Date: 1/18/2013 10:01:00 AM
Received Date: 1/21/2013 10:55:00 AM
Matrix: SOIlL

| Parameter | Result | Count | Total | MDL _{Lc} | Rpt Unit, Lc | Yield | Rst/MDL, Rst/TotCert | Analysis, Prep Date | Total Sa Size | Aliquot Size | Primary Detector |
|----------------|----------|-----------------------|----------|-------------------|-----------------|-------|-------------------------|------------------------|------------------|-----------------|---------------------|
| Batch: 3021049 | 7196 CR6 | Work Order: MXXW9M1AC | | | | | Report DB ID: 9MXW9M10 | | | | |
| HEXCHROME | 3.64E-01 | 0.0E+00 | 1.55E-01 | mg/kg | N/A | (2.3) | 1/21/13 03:45 p | 2.6019 | | g | |

No. of Results: 1 Comments:

FORM I
SAMPLE RESULTS

Date: 25-Jan-13

Lab Name: TestAmerica
Lot-Sample No.: J3A210427-7
Client Sample ID: J1RCK1

| Parameter | Result | Count | Total | MDL | Rpt Unit, | Yield | Rst/MDL, | Analysis, | Total Sa | Aliquot | Primary |
|----------------|----------|---------|----------------------|------------|-----------|------------------------|-----------------|-----------|----------|---------|----------|
| | | Qual | Uncert(2 s) | Action Lev | Lc | CRDL(RL) | Rst/TotUncert | Prep Date | Size | Size | Detector |
| Batch: 3021049 | 7196 CR6 | | Work Order: MXW9N1AC | | | Report DB ID: 9MXW9N10 | | | | | |
| HEXCHROME | 3.87E-01 | 0.0E+00 | 1.55E-01 | mg/kg | N/A | (2.5) | 1/21/13 03:45 p | 2.504 | | | |
| | | | | | 1.55E-01 | N/A | | | | | g |

No. of Results: 1 Comments:

FORM I
SAMPLE RESULTS

Date: 25-Jan-13

Lab Name: TestAmerica
Lot-Sample No.: J3A210427-8
Client Sample ID: J1RCK2

| Parameter | Result | Qual | Count Error (2 s) | Total Uncert(2 s) | MDL, Action Lev | Rpt Unit, Lc | Yield CRDL(RL) | Rst/MDL, Rst/TotUncrt | Analysis, Prep Date | Total Sa Size | Aliquot Size | Primary Detector |
|----------------|-----------|---------|-----------------------|-----------------------|--------------------|-----------------|-------------------|--------------------------|------------------------|------------------|-----------------|---------------------|
| Batch: 3021049 | 7196_CRF6 | | | | MXW9Q1AC | | | Report DB ID: 9MXW9Q10 | | | | |
| HEXCHROME | 3.02E-01 | 0.0E+00 | 1.55E-01 | mg/kg | | N/A | (1.9) | 1/21/13 03:45 p | | 2.4886 | g | |

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

FORM I
SAMPLE RESULTS

Date: 25-Jan-13

Lab Name: TestAmerica
Lot-Sample No.: J3A210427-9
Client Sample ID: J1RCK3

SDG: J01673
Report No.: 54358
COC No.: RC-074-450

Collection Date: 1/18/2013 9:50:00 AM
Received Date: 1/21/2013 10:55:00 AM
Matrix: SOIL

| Parameter | Result | Count | Total | Rpt Unit, | Yield | Rst/MDL, | Analysis, | Total Sa | Aliquot | Primary |
|----------------|----------|----------------------|------------------------|------------|----------|---------------|-----------------|----------|---------|----------|
| | | Qual | Error (2 s) | Action Lev | CRDL(LC) | Rst/TotUncert | Prep Date | Size | Size | Detector |
| Batch: 3021049 | 7196 CR6 | Work Order: MXW9T1AC | Report DB ID: 9MXW9T10 | | | | | | | |
| HEXCHROME | 2.99E-01 | 0.0E+00 | 1.55E-01 | mg/kg | N/A | (1.9) | 1/21/13 03:45 p | 2.5047 | | |

No. of Results: 1 Comments:

FORM I
SAMPLE RESULTS

Date: 25-Jan-13

Lab Name: TestAmerica
 Lot-Sample No.: J3A210427-10
 Client Sample ID: J1RCK4

| Parameter | Result | Qual | Count | Total | MDL, Action Lev | Rpt Unit, Lc | Yield CRDL(RL) | Rst/MDL, Rst/TotUncert | Analysis, Prep Date | Total Sa Size | Aliquot Size | Primary Detector |
|-----------------------------|----------------------|------|---------------------------------|----------------------------|-------------------------------|-------------------|-------------------|---------------------------|----------------------------------|------------------|-----------------|---------------------|
| Batch: 3021049 HEXCHROME | 7196 CR6 2.41E-01 | | Work Order: MXW9V1AC 0.0E+00 | MXW9V1AC 1.55E-01 mg/kg | Report DB ID: 9MXW9V10 N/A | (1.6) 1.55E-01 | (1.6) N/A | 1/21/13 03:45 p N/A | 1/18/2013 10:28:00 AM 2.545 g | | | |
| No. of Results: 1 | Comments: | | | | | | | | | | | |

FORM I
SAMPLE RESULTS

Date: 25-Jan-13

Lab Name: TestAmerica
 Lot-Sample No.: J3A210427-11
 Client Sample ID: J1RCK5

| Parameter | Result | Count | Total | MDL, Action Lev | Rpt Unit, Lc | Yield CRDL(RL) | Rst/MDL, Rst/TotUser | Analysis, Prep Date | Total Sa Size | Aliquot Size | Primary Detector |
|----------------|----------|----------------------|-------------|--------------------|-----------------|-------------------|-------------------------|------------------------|------------------|-----------------|---------------------|
| Batch: 3021049 | 7196 CR6 | Work Order: MXW9W1AC | Uncert(2 s) | MDL, Action Lev | Rpt Unit, Lc | Yield CRDL(RL) | Rst/MDL, Rst/TotUser | Analysis, Prep Date | Total Sa Size | Aliquot Size | Primary Detector |
| HEXCHROME | 3.24E-01 | 0.0E+00 | 1.55E-01 | mg/kg | N/A | (2.1) | Report DB ID: 9MXW9W10 | 1/21/13 03:45 p | 2.5899 | g | |

No. of Results: 1 Comments:

FORM I

SAMPLE RESULTS

Date: 25-Jan-13

Lab Name: TestAmerica
Lot-Sample No.: J3A210427-12
Client Sample ID: J1RCK6

No. of Results: 1 Comments:

TestAmerica Laboratories, Inc.

FORM I
SAMPLE RESULTS

Date: 25-Jan-13

Lab Name: TestAmerica
 Lot-Sample No.: J3A210427-13
 Client Sample ID: J1RCK7

SDG: J01673
 Report No.: 54358
 COC No.: RC-074-450

Collection Date: 1/18/2013 9:40:00 AM
 Received Date: 1/21/2013 10:55:00 AM
 Matrix: Soil

| Parameter | Result | Qual | Count | Total | MDL, | Rpt Unit, Lc | Yield | Rst/MDL, Rst/TotUncert | Analysis, Prep Date | Total Sa Size | Aliquot Size | Primary Detector |
|----------------|----------|---------|----------|----------------------|------|------------------------|-----------------|---------------------------|------------------------|------------------|-----------------|---------------------|
| Batch: 3021049 | 7196_CRG | | | Work Order: MXW911AC | | Report DB ID: 9MXW9110 | | | | | | |
| HEXCHROME | 4.80E-01 | 0.0E+00 | 1.55E-01 | mg/kg | N/A | (3.1) | 1/21/13 03:45 p | 2.5959 | | | g | |

No. of Results: 1 Comments:

FORM I
SAMPLE RESULTS

Date: 25-Jan-13

Lab Name: TestAmerica
 Lot-Sample No.: J3A210427-14
 Client Sample ID: J1RCK8

| Parameter | Result | Count | Error (2 s) | Total | MDL, Action Lev | Rpt Unit, Lc | Rst/MDL, CRDL(RL) | Analysis, Rst/TotUncert | Prep Date | Total Sa Size | Aliquot Size | Primary Detector |
|----------------|----------|---------|-------------|-------|--------------------|-----------------|------------------------|----------------------------|-----------|------------------|-----------------|---------------------|
| Batch: 3021049 | 7196 CR6 | | | | MXW931AC | | Report DB ID: 9MXW9310 | | | | | |
| HEXCHROME | 5.17E-01 | 0.0E+00 | 1.55E-01 | mg/kg | N/A | (3.3) | 1/21/13 03:45 p | 2.5E74 | | g | | |

No. of Results: 1 Comments:

TestAmerica MDL|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
 rptSTLRchSample U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the MDL|MDA|MDL, Total Uncert, CRDL, RDL or not identified by gamma scan software.
 V5.2.23 A2002

FORM I
SAMPLE RESULTS

Date: 25-Jan-13

Lab Name: TestAmerica
Lot-Sample No.: J3A210427-15
Client Sample ID: J1RCK9

SDG: J01673
Report No. : 54358
COC No. : RC-074-450

Collection Date: 1/18/2013 12:15:00 PM
Received Date: 1/21/2013 10:55:00 AM
Matrix: SOIL

| Parameter | Result | Count | Total | Rpt Unit, | Yield | Analysis, | Total Sa | Aliquot | Primary |
|----------------|----------|-------------|-------------|--------------------|------------------------|---------------|-----------------|---------|----------|
| | Qual | Error (2 s) | Uncert(2 s) | MDL, Action Lev | CRDL(RL) | Rst/Tot/Ucert | Size | Size | Detector |
| Batch: 3021049 | 7196 CR6 | | | MXW941AC | Report DB ID: 9MXW9410 | | | | |
| HEXCHROME | 4.59E-01 | 0.0E+00 | 1.55E-01 | mg/kg | N/A | (3.) | 1/21/13 03:45 p | 2.498 | g |

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

FORM I
SAMPLE RESULTS

Date: 25-Jan-13

Lab Name: TestAmerica
Lot-Sample No.: J3A210427-16
Client Sample ID: J1RCL0

| Parameter | Result | Count | Total | MDL, Action Lev | Rpt Unit, Lc | Yield CRDL(RL) | Rst/MDL, Rst/Tot/Ucert | Analysis, Prep Date | Total Sa Size | Aliquot Size | Primary Detector |
|----------------|----------|----------------------|----------|--------------------|-----------------|-------------------|---------------------------|------------------------|------------------|-----------------|---------------------|
| Batch: 3021049 | 7196_CR6 | Work Order: MXW961AC | MXW961AC | | | | Report DB ID: 9MXW9610 | | | | |
| HEXCHROME | 4.00E-01 | 0.0E+00 | 1.55E-01 | mg/kg | N/A | (2.6) | 1/21/13 03:45 p | 2.5282 | | | g |

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

FORM I
SAMPLE RESULTS

Date: 25-Jan-13

Lab Name: TestAmerica
 Lot-Sample No.: J3A210427-17
 Client Sample ID: J1RCL1

SDG: J01673

Report No. : 54358

COC No. : RC-074-450

Collection Date: 1/18/2013 9:02:00 AM

Received Date: 1/21/2013 10:55:00 AM

Matrix: SOIL

| Parameter | Result | Count | Total | MDL, | Rpt Unit, | Yield | Rst/MDL, | Analysis, | Total Sa | Aliquot | Primary |
|----------------|----------|----------|----------------------|------------|-----------|------------------------|-----------------|-----------|----------|---------|----------|
| | | Qual | Uncert(2 s) | Action Lev | Lc | CRDL(RL) | Rst/TotUncrt | Prep Date | Size | Size | Detector |
| Batch: 3021049 | 7196 CR6 | | Work Order: MXW981AC | | | Report DB ID: 9MXW9810 | | | | | |
| HEXCHROME | 3.26E-01 | 0.00E+00 | 1.55E-01 | mg/kg | N/A | (2.1) | 1/21/13 03:45 p | | 2.5338 | | g |

No. of Results: 1 Comments:

FORM I
SAMPLE RESULTS

Date: 25-Jan-13

Lab Name: TestAmerica
 Lot Sample No.: J3A210427-18
 Client Sample ID: J1RCL2

SDG: J01673
 Report No.: 54358
 COC No.: RC-074-450

Collection Date: 1/18/2013 8:59:00 AM
 Received Date: 1/21/2013 10:55:00 AM
 Matrix: SOIL

| Parameter | Result | Count | Total | Rpt Unit, | Yield | Analysis, | Total Sa | Aliquot | Primary |
|----------------|----------|-------------|-------------|------------------------|----------|---------------|-----------------|---------|----------|
| | Qual | Error (2 s) | Uncert(2 s) | MDL, Action Lev | CRDL(RL) | Rst/Tot/Ucert | Size | Size | Detector |
| Batch: 3021049 | 7196_CR6 | Work Order: | MXXAA1AC | Report DB ID: 9MXXAA10 | | | | | |
| HEXCHROME | 3.34E-01 | 0.0E+00 | 1.55E-01 | mg/kg | N/A | (2.2) | 1/21/13 03:45 p | 2.5324 | g |

No. of Results: 1 Comments:

FORM I
SAMPLE RESULTS

Date: 25-Jan-13

Lab Name: TestAmerica
 Lot-Sample No.: J3A210427-19
 Client Sample ID: J1RCL3

| Parameter | Result | Qual | Count | Total | MDL, Action Lev | Rpt Unit, Lc | Yield CRDL(RL) | Rst/MDL, Rst/TotUncert | Analysis, Prep Date | Total Sa Size | Aliquot Size | Primary Detector |
|----------------|-----------|---------|----------|----------------------|--------------------|------------------------|-------------------|---------------------------|------------------------|------------------|-----------------|---------------------|
| Batch: 3021049 | 7196_CRF6 | | | Work Order: MXXAC1AC | | Report DB ID: 9MXXAC10 | | | | | | |
| HEXCROME | 2.66E-01 | 0.0E+00 | 1.55E-01 | mg/kg | N/A | (1.7) | 1.55E-01 | N/A | 1/21/13 03:45 p | 2.5426 | g | |

No. of Results: 1 Comments:

FORM I
SAMPLE RESULTS

Date: 25-Jan-13

Lab Name: TestAmerica
Lot-Sample No.: J3A210427-20
Client Sample ID: J1RCL4

| Parameter | Result | Qual | Count Error (2 s) | Total Uncert(2 s) | MDL, Action Lev | Rpt Unit, Lc | Yield CRDL(RL) | Rst/MDL, Rst/TotUncert | Analysis, Prep Date | Total Sa Size | Aliquot Size | Primary Detector |
|----------------|-----------|---------|-----------------------|-----------------------|----------------------|-----------------|------------------------|---------------------------|------------------------|------------------|-----------------|---------------------|
| Batch: 3021049 | 7196_CRF6 | | | | Work Order: MXXAD1AC | | Report DB ID: 9MXXAD10 | | | | | |
| HEXCHROME | 3.64E-01 | 0.0E+00 | 1.55E-01 | mg/kg | N/A | (2.3) | 1/21/13 03:45 p | 2.5657 | | | | g |

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

FORM II

Date: 25-Jan-13

DUPLICATE RESULTS

Lab Name: TestAmerica
Lot-Sample No.: J3A210427-1
Client Sample ID: J1RCJ5

| Parameter | Result, Orig Rst | Count | Total Uncert(2 s) | MDL, Action Lev | Rpt Unit, CRDL | Rst/MDL, Rst/TotUncrt | Analysis, Prep Date | Total Sa Size | Aliquot Size | Primary Detector |
|----------------|----------------------|---------|----------------------|--------------------|------------------------|--------------------------|-------------------------|------------------|-----------------|---------------------|
| Batch: 3021049 | 7196_CRG | | Work Order: MXW9C1CG | | Report DB ID: MXW9C1ER | | Orig Sa DB ID: 9MXW9C10 | | | |
| HEXCHROME | 3.39E-01 2.54E-01 | 0.0E+00 | 1.55E-01 3.50E-01 | mg/kg 3.50E-01 | N/A (2.2) | 1/21/13 03:45 p N/A | 1/21/13 03:45 p N/A | 2.5409 g | | |

No. of Results: 1 Comments:

TestAmerica RPD - Relative Percent Difference.
 rptSTLRchDupV5. MDC|MD_A,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
 2.23 A2002

FORM II
BLANK RESULTS

Date: 25-Jan-13

Lab Name: TestAmerica
 Matrix: SOIL

| Parameter | Result | Qual | Count Error (2 s) | Total Uncert(2 s) | MDL, Lc | Rpt Unit, CRDL | Yield | Rst/MDL, Rst/TotCart | Analysis, Prep Date | Total Sa Size | Aliquot Size | Primary Detector |
|-----------------------------|----------------------|------|----------------------|---------------------------------|------------|-------------------|-------|------------------------------|------------------------|------------------|-----------------|---------------------|
| Batch: 3021049 HEXCHROME | 7196_CR6 1.55E-01 | U | | Work Order: MXXCW1AA 0.0E+00 | 1.55E-01 | mg/kg | N/A | Report DB ID: MXXCW1AB 1. | 1/21/13 03:45 p | 2.5 | g | |
| No. of Results: 1 | 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.

Date: 25-Jan-13

FORM II
LCS RESULTS

Lab Name: TestAmerica
Matrix: SOIL

SDG: J01673
Report No. : 54358

| Parameter | Result | Qual | Count | Total Uncert(2 s) | MDL | Report Unit | Yield | Expected Uncert | Recovery, Bias | Analysis, Prep Date | Aliquot Size | Primary Detector |
|----------------|----------|------|---------|----------------------|-------|------------------------|----------|--------------------|-------------------|------------------------|-----------------|------------------------|
| Batch: 3021049 | 7196_Cr6 | | | Work Order: MXxCW1AC | | Report DB ID: MXxCW1AS | | | | | | |
| HEXCHROME | 1.35E+01 | | 0.0E+00 | 1.55E-01 | mg/kg | N/A | 1.90E+01 | 97% | 1/21/13 03:45 p | 2.5 | g | Rec Limits: 80 120 0.0 |

No. of Results: 1 Comments:

FORM II
MATRIX SPIKE RESULTS

Date: 25-Jan-13

Lab Name: TestAmerica
 Lot-Sample No.: J3A210427-1, J1RCJ5

| Parameter | SpikeResult, Orig Rst | Count | Total Uncert(2 s) | MDC MDA | Rpt Unit, CRDL | Yield | Rec- covery | Expected, Uncert | Analysis, Prep Date | Aliquot Size | Analy Method, Primary Detector |
|----------------|--------------------------|------------------------|----------------------|----------|-------------------------|-------|----------------|---------------------|------------------------|-----------------|-----------------------------------|
| Batch: 3021049 | Work Order: MXW9C1CE | Report DB ID: MXW9C1CW | 0.0E+00 | 1.55E-01 | Orig Sa DB ID: 9MXV9C10 | N/A | 91.60% | 3.04E+01 | 1/21/13 03:45 p | 2.5302 | 7196_CRC6 |
| HEXCHROME | 2.78E+01 | | 2.54E-01 | | | | | | | g | |

Number of Results: 1

Comments:

| | | |
|--------------|------|--|
| TestAmerica | RER | - Replicate Error Ratio = $(S-D)/[\sqrt{(s^2(TPUs) + s^2(TPUs))}]$ as defined by ICPT BOA. |
| RptSTL.RthMs | Bias | - (Result/Expected)-1 as defined by ANSI N13.30. |

V5.2.23 A2002

| Client_Id | Result_hCas_nbr | Parameter | Result | Qualifier | Units | Reporting_Limits_SRReporting_Limits | Uncertainty_1s | Analyzed_AnalyzeDecision_level_ic | LCSRecoAddAnalysis_date_time | Batch_nbr | Test_MetLab_sample_id | | |
|-----------|-----------------|-----------|-----------|-----------|-------|-------------------------------------|----------------|-----------------------------------|------------------------------|----------------|-----------------------|--------------|----------|
| JRJC5 | 7440-22-4 | Ag | 1.38E+00 | U | UGG | 1.00E+01 | 1.60E-01 | 0.2491 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9C1A0 | | |
| Soil | CS | 7440-38-2 | As | 6.33E-01 | UGG | 1.00E+01 | 1.00E+01 | 2.30E-01 | 0.2491 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9C1A0 | |
| Soil | CS | 7440-39-3 | Ba | 1.93E-01 | UGG | 2.01E+00 | 2.01E+00 | 2.60E-01 | 0.2491 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9C1A0 | |
| Soil | CS | 7440-41-7 | Beryllium | 1.65E-01 | UGG | 1.00E+01 | 1.00E+01 | 7.30E-03 | 0.2491 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9C1A0 | |
| Soil | CS | 7440-43-9 | Cadmium | 6.37E-01 | UGG | 2.01E+00 | 1.00E+01 | 1.80E-02 | 0.2491 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9C1A0 | |
| Soil | CS | 7440-47-3 | Chromium | 4.22E+00 | U | UGG | 1.00E+01 | 1.00E+01 | 7.90E-02 | 0.2491 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9C1A0 |
| Soil | CS | 7440-49-2 | Lead | 4.11E-01 | UGG | 1.00E+01 | 1.00E+01 | 2.40E-01 | 0.2491 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9C1A0 | |
| Soil | CS | 7782-49-2 | Se | 2.42E-01 | U | UGG | 1.00E+01 | 1.00E+01 | 5.20E-01 | 0.2491 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-22-4 | Ag | 1.23E+00 | U | UGG | 1.00E+01 | 1.00E+01 | 2.60E-01 | 0.2491 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-39-3 | Ba | 1.82E+01 | UGG | 2.01E+00 | 2.01E+00 | 4.30E-01 | 0.2491 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA | |
| Soil | CS | 7440-41-7 | Beryllium | 1.82E-01 | UGG | 1.00E+01 | 1.00E+01 | 4.40E-02 | 0.2491 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA | |
| Soil | CS | 7440-43-9 | Cadmium | 1.24E-01 | UGG | 2.01E+00 | 2.01E+00 | 4.30E-02 | 0.2491 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA | |
| Soil | CS | 7440-47-3 | Chromium | 8.4E+00 | U | UGG | 1.00E+01 | 1.00E+01 | 5.40E-02 | 0.2491 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7439-92-1 | Lead | 3.35E+00 | U | UGG | 1.00E+01 | 1.00E+01 | 3.70E-01 | 0.2491 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7782-49-2 | Se | 1.11E-01 | UGG | 1.00E+01 | 1.00E+01 | 5.10E-01 | 0.2491 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA | |
| Soil | CS | 7440-22-4 | Ag | 1.79E-01 | U | UGG | 9.87E+00 | 9.87E+00 | 2.60E-01 | 0.2491 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-38-2 | As | 1.93E+00 | U | UGG | 9.87E+00 | 9.87E+00 | 6.40E-01 | 0.2491 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-39-3 | Ba | 5.98E+01 | UGG | 1.97E+00 | 1.97E+00 | 2.80E-01 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA | |
| Soil | CS | 7440-41-7 | Beryllium | 1.90E-01 | UGG | 9.87E+02 | 9.87E+02 | 1.40E-02 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA | |
| Soil | CS | 7440-43-9 | Cadmium | 1.28E+01 | UGG | 1.97E+00 | 1.97E+00 | 1.70E-02 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA | |
| Soil | CS | 7440-47-3 | Chromium | 8.21E+00 | U | UGG | 9.87E+00 | 9.87E+00 | 1.80E-01 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-49-2 | Lead | 1.20E+00 | U | UGG | 9.87E+00 | 9.87E+00 | 1.90E-01 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-38-2 | Ag | 1.90E-01 | U | UGG | 9.87E+00 | 9.87E+00 | 2.80E-01 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-39-3 | Ba | 1.37E-01 | U | UGG | 1.00E+01 | 1.00E+01 | 1.00E+01 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-41-7 | Beryllium | 1.62E+00 | U | UGG | 2.00E+00 | 2.00E+00 | 8.70E-01 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-43-9 | Cadmium | 5.83E+01 | UGG | 1.00E+01 | 1.00E+01 | 2.00E+00 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA | |
| Soil | CS | 7440-47-3 | Chromium | 1.90E-01 | UGG | 1.00E+01 | 1.00E+01 | 1.00E+01 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA | |
| Soil | CS | 7440-49-2 | Lead | 3.03E+00 | U | UGG | 9.87E+00 | 9.87E+00 | 1.90E-01 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-49-2 | Se | 1.90E-01 | U | UGG | 9.87E+00 | 9.87E+00 | 2.80E-01 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-22-4 | Ag | 1.37E-01 | U | UGG | 1.00E+01 | 1.00E+01 | 1.00E+01 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-38-2 | As | 1.90E-01 | U | UGG | 1.00E+01 | 1.00E+01 | 2.80E-01 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-39-3 | Ba | 1.76E-01 | U | UGG | 1.00E+01 | 1.00E+01 | 2.90E-02 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-41-7 | Beryllium | 1.76E+00 | U | UGG | 1.00E+01 | 1.00E+01 | 1.00E+01 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-43-9 | Cadmium | 7.67E-01 | UGG | 1.00E+01 | 1.00E+01 | 2.00E+00 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA | |
| Soil | CS | 7440-47-3 | Chromium | 7.68E-02 | U | UGG | 1.00E+01 | 1.00E+01 | 2.80E-01 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-49-2 | Lead | 6.31E+00 | U | UGG | 1.00E+01 | 1.00E+01 | 1.00E+01 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-38-2 | Ag | 1.90E-01 | U | UGG | 1.00E+01 | 1.00E+01 | 2.80E-01 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-39-3 | Ba | 1.20E+01 | UGG | 1.00E+01 | 1.00E+01 | 2.00E+00 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA | |
| Soil | CS | 7440-41-7 | Beryllium | 7.68E-01 | UGG | 1.00E+01 | 1.00E+01 | 1.00E+01 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA | |
| Soil | CS | 7440-43-9 | Cadmium | 2.96E+00 | U | UGG | 1.00E+01 | 1.00E+01 | 2.00E+00 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-47-3 | Chromium | 7.60E-02 | U | UGG | 1.00E+01 | 1.00E+01 | 1.00E+01 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-49-2 | Lead | 7.68E-01 | U | UGG | 1.00E+01 | 1.00E+01 | 2.00E+00 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-38-2 | Ag | 1.36E+00 | U | UGG | 1.00E+01 | 1.00E+01 | 2.00E+00 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-39-3 | Ba | 1.82E-01 | U | UGG | 1.00E+01 | 1.00E+01 | 2.00E+00 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-41-7 | Beryllium | 1.15E-01 | U | UGG | 2.02E+00 | 2.02E+00 | 1.00E+01 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-43-9 | Cadmium | 6.84E+00 | U | UGG | 1.00E+01 | 1.00E+01 | 2.00E+00 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-47-3 | Chromium | 7.28E-01 | U | UGG | 1.00E+01 | 1.00E+01 | 3.90E-02 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-49-2 | Lead | -6.31E-01 | U | UGG | 1.00E+01 | 1.01E+01 | 6.10E-01 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-22-4 | Ag | 1.46E-01 | U | UGG | 9.85E+00 | 9.85E+00 | 1.40E-01 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-38-2 | As | 8.18E-01 | U | UGG | 1.01E+01 | 1.01E+01 | 2.00E+00 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-39-3 | Ba | 4.91E+01 | UGG | 2.02E+00 | 2.02E+00 | 9.85E+00 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA | |
| Soil | CS | 7440-41-7 | Beryllium | 1.20E-01 | U | UGG | 9.85E+00 | 9.85E+00 | 1.00E+01 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-43-9 | Cadmium | 1.10E-01 | U | UGG | 1.97E+00 | 1.97E+00 | 1.70E-02 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-47-3 | Chromium | 1.73E-01 | U | UGG | 1.97E+00 | 1.97E+00 | 1.00E+01 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-49-2 | Lead | 4.19E+00 | U | UGG | 9.85E+00 | 9.85E+00 | 9.39E-02 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-38-2 | As | 1.57E+00 | U | UGG | 2.00E+00 | 2.00E+00 | 2.00E+00 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-39-3 | Ba | -6.89E-01 | U | UGG | 9.85E+00 | 9.85E+00 | 4.50E-01 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-41-7 | Beryllium | 1.76E-01 | U | UGG | 9.99E+00 | 9.99E+00 | 1.10E-01 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-43-9 | Cadmium | 1.27E+01 | U | UGG | 2.21E-01 | 2.21E-01 | 9.85E+00 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-47-3 | Chromium | 6.18E+00 | U | UGG | -3.08E-01 | -3.08E-01 | 9.99E+00 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-49-2 | Lead | -1.75E-01 | U | UGG | 9.98E+00 | 9.98E+00 | 2.60E-01 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-38-2 | As | 1.39E+00 | U | UGG | 9.98E+00 | 9.98E+00 | 9.98E+00 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-39-3 | Ba | 6.28E+01 | UGG | 2.00E+00 | 2.00E+00 | 2.00E+00 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA | |
| Soil | CS | 7440-41-7 | Beryllium | 1.76E-01 | UGG | 9.99E+00 | 9.99E+00 | 1.90E-01 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA | |
| Soil | CS | 7440-43-9 | Cadmium | 1.27E+01 | U | UGG | 2.00E+00 | 2.00E+00 | 2.25E-02 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-47-3 | Chromium | 6.18E+00 | U | UGG | -3.08E-01 | -3.08E-01 | 9.99E+00 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-49-2 | Lead | -1.46E-01 | U | UGG | 9.98E+00 | 9.98E+00 | 2.00E-01 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-38-2 | As | 1.31E+00 | U | UGG | 9.98E+00 | 9.98E+00 | 8.70E-01 | 0.2533 G | 1/2/2013 17:59 | 3021042 46DQ | MWX9F1AA |
| Soil | CS | 7440-39-3 | Ba | 1.31E+00 | U | UGG | 9. | | | | | | |

| Client_id | Matrix | Result_t,Cas_nbr | Parameter | Qualifier | Units | Reporting_Limits_SReporting | Limits | Uncertainty_1s | Analyzed | Decision_level | LCSSrcoAddAnalysis date_time | Batch_nbr | Test_MetLab_sample_id |
|-----------|--------|------------------|-----------|-----------|-----------|-----------------------------|----------|----------------|------------|----------------|------------------------------|---------------|-----------------------|
| JRCK3 | SOIL | CS | 7440-43-7 | Beryllium | U/G | 1.57E-01 | 9.35E-02 | 7.30E-03 | 0.25/2 G | 6.0E-03 | 1/2/2013 19:09 | 3/2/1042 46DQ | MXXW971AA |
| JRCK3 | SOIL | CS | 7440-43-9 | Cadmium | 1.06E+01 | 1.99E+00 | 4.10E-02 | 0.25/2 G | 3.36E-02 | 1/2/2013 19:09 | 3/2/1042 46DQ | MXXW971AA | |
| JRCK3 | SOIL | CS | 7440-47-3 | Chromium | 6.27E+00 | 9.95E+00 | 2.00E-01 | 0.25/2 G | 1.63E-01 | 1/2/2013 19:09 | 3/2/1042 46DQ | MXXW971AA | |
| JRCK3 | SOIL | CS | 7440-52-1 | Lead | 2.08E+00 | 9.95E+00 | 1.20E-01 | 0.25/2 G | 9.92E-02 | 1/2/2013 19:09 | 3/2/1042 46DQ | MXXW971AA | |
| JRCK3 | SOIL | CS | 7782-49-2 | Lead | 5.70E-01 | 9.95E+00 | 1.50E-01 | 0.25/2 G | 1.22E-01 | 1/2/2013 19:09 | 3/2/1042 46DQ | MXXW971AA | |
| JRCK4 | SOIL | CS | 7440-22-4 | Ag | -1.09E-01 | U/G | 1.00E+01 | 1.70E-02 | 0.2494 G | 1.24E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK4 | SOIL | CS | 7440-38-2 | As | 2.36E+00 | U/G | 1.00E+01 | 6.00E-01 | 0.2494 G | 4.91E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK4 | SOIL | CS | 7440-39-3 | Beryllium | 6.70E+00 | U/G | 2.00E+00 | 2.30E-01 | 0.2494 G | 1.87E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK4 | SOIL | CS | 7440-41-7 | Beryllium | 2.02E+01 | U/G | 1.00E+01 | 6.90E-03 | 0.2494 G | 5.71E-03 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK4 | SOIL | CS | 7440-43-9 | Cadmium | 1.57E+01 | U/G | 2.00E+00 | 3.40E-02 | 0.2494 G | 2.83E-02 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK4 | SOIL | CS | 7440-47-3 | Chromium | 8.79E+00 | U/G | 1.00E+01 | 4.00E-02 | 0.2494 G | 3.28E-02 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK4 | SOIL | CS | 7440-52-1 | Lead | 3.08E+00 | U/G | 1.00E+01 | 1.00E+01 | 0.2494 G | 1.38E-02 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK4 | SOIL | CS | 7782-49-2 | Se | -3.05E-01 | U/G | 1.00E+01 | 1.00E+01 | 0.2494 G | 3.00E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK4 | SOIL | CS | 7440-22-4 | Ag | -1.07E-01 | U/G | 9.95E+00 | 9.95E+00 | 0.2494 G | 6.77E-02 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK4 | SOIL | CS | 7440-38-2 | As | 1.14E+00 | U/G | 1.00E+01 | 7.30E-01 | 0.2494 G | 6.04E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7440-39-3 | Ba | 5.34E+01 | U/G | 1.98E+00 | 1.99E+00 | 0.2494 G | 1.98E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7440-41-7 | Beryllium | 1.41E+01 | U/G | 9.95E+00 | 9.95E+00 | 0.2494 G | 7.09E-03 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7440-43-9 | Cadmium | 3.08E+01 | U/G | 1.99E+00 | 1.99E+00 | 0.2494 G | 1.60E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7440-47-3 | Chromium | 3.05E+00 | U/G | 9.95E+00 | 9.95E+00 | 0.2494 G | 1.35E-02 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7440-52-1 | Lead | 1.38E+00 | U/G | 9.95E+00 | 9.95E+00 | 0.2494 G | 1.07E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7782-49-2 | Se | -4.23E+01 | U/G | 9.95E+00 | 9.95E+00 | 0.2494 G | 3.50E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7440-22-4 | Ag | -2.52E+01 | U/G | 9.84E+00 | 9.84E+00 | 0.2494 G | 1.25E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7440-38-2 | As | 1.11E+00 | U/G | 9.84E+00 | 9.84E+00 | 0.2494 G | 1.25E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7440-39-3 | Ba | 6.25E+01 | U/G | 1.97E+00 | 1.97E+00 | 0.2494 G | 2.50E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7440-41-7 | Cadmium | 2.12E+01 | U/G | 9.84E+00 | 9.84E+00 | 0.2494 G | 2.08E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7440-43-9 | Chromium | 1.49E+01 | U/G | 9.84E+00 | 9.84E+00 | 0.2494 G | 1.67E-02 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7440-47-3 | Chromium | 3.99E+00 | U/G | 9.84E+00 | 9.84E+00 | 0.2494 G | 1.03E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7440-52-1 | Lead | 3.25E+00 | U/G | 9.84E+00 | 9.84E+00 | 0.2494 G | 1.14E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7782-49-2 | Se | -2.84E+01 | U/G | 9.84E+00 | 9.84E+00 | 0.2494 G | 1.85E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7440-22-4 | Ag | -2.37E+01 | U/G | 9.92E+00 | 9.92E+00 | 0.2494 G | 2.30E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7440-38-2 | As | 8.29E+01 | U/G | 9.92E+00 | 9.92E+00 | 0.2494 G | 5.82E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7440-39-3 | Ba | 5.55E+01 | U/G | 9.92E+00 | 9.92E+00 | 0.2494 G | 1.71E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7440-41-7 | Beryllium | 1.45E+01 | U/G | 9.92E+00 | 9.92E+00 | 0.2494 G | 1.04E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7440-43-9 | Chromium | 4.66E+00 | U/G | 9.92E+00 | 9.92E+00 | 0.2494 G | 5.63E-03 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7440-47-3 | Chromium | 1.10E+01 | U/G | 9.92E+00 | 9.92E+00 | 0.2494 G | 1.57E-03 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7440-52-1 | Lead | 1.50E+01 | U/G | 9.92E+00 | 9.92E+00 | 0.2494 G | 1.52E-02 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7782-49-2 | Se | -3.74E+01 | U/G | 9.92E+00 | 9.92E+00 | 0.2494 G | 1.08E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7440-22-4 | Ag | -1.50E+01 | U/G | 9.92E+00 | 9.92E+00 | 0.2494 G | 7.59E-02 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7440-38-2 | As | 1.09E+01 | U/G | 9.92E+00 | 9.92E+00 | 0.2494 G | 1.37E-02 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7440-39-3 | Ba | 4.66E+01 | U/G | 1.00E+00 | 1.00E+00 | 0.2494 G | 5.82E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7440-41-7 | Beryllium | 1.50E+01 | U/G | 1.00E+00 | 1.00E+00 | 0.2494 G | 1.75E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7440-43-9 | Cadmium | 2.14E+00 | U/G | 1.00E+00 | 1.00E+00 | 0.2494 G | 2.65E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7440-47-3 | Chromium | 1.20E+01 | U/G | 1.00E+00 | 1.00E+00 | 0.2494 G | 1.65E-02 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7440-52-1 | Lead | 1.67E+01 | U/G | 1.00E+00 | 1.00E+00 | 0.2494 G | 1.37E-02 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7782-49-2 | Se | -4.90E+01 | U/G | 1.00E+00 | 1.00E+00 | 0.2494 G | 1.38E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7440-22-4 | Ag | -2.39E+01 | U/G | 9.98E+00 | 9.98E+00 | 0.2494 G | 2.18E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7440-38-2 | As | 3.40E+00 | U/G | 9.98E+00 | 9.98E+00 | 0.2494 G | 2.95E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7440-39-3 | Ba | 3.60E+01 | U/G | 9.98E+00 | 9.98E+00 | 0.2494 G | 5.89E-02 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7440-41-7 | Beryllium | 1.85E+01 | U/G | 9.98E+00 | 9.98E+00 | 0.2494 G | 1.01E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7440-43-9 | Cadmium | 1.21E+01 | U/G | 9.98E+00 | 9.98E+00 | 0.2494 G | 1.01E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7440-47-3 | Chromium | 7.73E+00 | U/G | 1.01E+01 | 1.01E+01 | 0.2494 G | 9.02E-02 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCK5 | SOIL | CS | 7440-52-1 | Lead | 3.83E+00 | U/G | 1.01E+01 | 1.01E+01 | 0.2494 G | 1.23E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCL0 | SOIL | CS | 7782-49-2 | Se | -8.91E+02 | U/G | 1.01E+01 | 1.01E+01 | 0.2494 G | 2.85E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCL0 | SOIL | CS | 7440-39-3 | Ba | 5.82E+01 | U/G | 1.01E+00 | 2.00E+00 | 0.2494 G | 5.35E-03 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCL0 | SOIL | CS | 7440-41-7 | Beryllium | 1.85E+01 | U/G | 1.01E+01 | 1.01E+01 | 0.2494 G | 1.10E-02 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCL0 | SOIL | CS | 7440-43-9 | Cadmium | 1.21E+01 | U/G | 1.01E+00 | 2.01E+00 | 0.2494 G | 7.53E-02 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCL0 | SOIL | CS | 7440-47-3 | Chromium | 7.73E+00 | U/G | 1.01E+01 | 1.01E+01 | 0.2494 G | 1.01E-02 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCL0 | SOIL | CS | 7440-52-1 | Lead | 3.83E+00 | U/G | 1.01E+01 | 1.01E+01 | 0.2494 G | 1.29E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCL1 | SOIL | CS | 7782-49-2 | Se | -1.07E+01 | U/G | 1.01E+01 | 1.01E+01 | 0.2494 G | 4.72E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCL1 | SOIL | CS | 7440-39-3 | Ba | 3.60E+01 | U/G | 1.01E+00 | 2.01E+00 | 0.2494 G | 8.97E-02 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCL1 | SOIL | CS | 7440-41-7 | Beryllium | 1.98E+01 | U/G | 1.01E+01 | 1.01E+01 | 0.2494 G | 1.74E-03 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCL1 | SOIL | CS | 7440-43-9 | Cadmium | 1.38E+01 | U/G | 1.01E+00 | 2.01E+00 | 0.2494 G | 4.10E-02 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCL1 | SOIL | CS | 7440-47-3 | Chromium | 8.11E+00 | U/G | 1.01E+01 | 1.01E+01 | 0.2494 G | 2.85E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCL1 | SOIL | CS | 7440-52-1 | Lead | 3.06E+00 | U/G | 1.01E+01 | 1.01E+01 | 0.2494 G | 4.71E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCL1 | SOIL | CS | 7440-22-4 | Ag | -1.07E+01 | U/G | 1.01E+01 | 1.01E+01 | 0.2494 G | 5.00E-01 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCL1 | SOIL | CS | 7440-38-2 | As | 3.40E+00 | U/G | 1.01E+01 | 1.01E+01 | 0.2494 G | 6.77E-02 | 1/2/2013 20:23 | 3/2/1042 46DQ | MXXW971AA |
| JRCL1 | SOIL | CS | 7440-39-3 | Ba | 3.60E+01 | U/G | 1.01E+00 | 2.01E+00 | 0.2494 G</ | | | | |

| Client_id | Matrix | Result_t\Cas_nbr | Parameter | Qualifier | Units | Reporting_Limits_Reporting_Limits | Uncertainty_1s | Analyzed | Decision_Level_16 | LCSReoAdderAnalysis | date_time | Batch_nbr | Test_Methlab_sample_id |
|-----------|--------|------------------|-----------|-------------|-------|-----------------------------------|----------------|----------|-------------------|---------------------|----------------|--------------|------------------------|
| JRCI2 | SOIL | 7439-32-1 | Lead | 4.48E+00 U | UG/G | 9.96E+00 | 1.30E-01 | 0.2505 G | 1.06E-01 | 3021042 46DQ | 1/2/2013 20:08 | 3021042 46DQ | MXXAA1AA |
| JRCI2 | SOIL | 7782-49-2 | Se | -4.38E-01 U | UG/G | 9.96E+00 | 1.90E-01 | 0.2509 G | 1.55E-01 | 3021042 46DQ | 1/2/2013 20:08 | 3021042 46DQ | MXXAA1AA |
| JRCI3 | SOIL | 7440-22-4 | Ag | -1.60E-01 U | UG/G | 9.96E+00 | 1.20E-01 | 0.251 G | 9.70E-02 | 3021042 46DQ | 1/2/2013 20:13 | 3021042 46DQ | MXXAC1AA |
| JRCI3 | SOIL | 7440-38-2 | As | 1.48E+00 U | UG/G | 9.96E+00 | 3.80E-01 | 0.251 G | 3.10E-01 | 3021042 46DQ | 1/2/2013 20:13 | 3021042 46DQ | MXXAC1AA |
| JRCI3 | SOIL | 7440-39-3 | As | 5.95E+01 | UG/G | 1.98E+00 | 8.80E-02 | 0.251 G | 7.25E-02 | 3021042 46DQ | 1/2/2013 20:13 | 3021042 46DQ | MXXAC1AA |
| JRCI3 | SOIL | 7440-41-7 | Beryllium | 1.75E-01 | UG/G | 9.96E-02 | 1.10E-02 | 0.251 G | 8.89E-03 | 3021042 46DQ | 1/2/2013 20:13 | 3021042 46DQ | MXXAC1AA |
| JRCI3 | SOIL | 7440-43-9 | Cadmium | 1.27E-01 U | UG/G | 1.99E+00 | 5.90E-02 | 0.251 G | 4.83E-02 | 3021042 46DQ | 1/2/2013 20:13 | 3021042 46DQ | MXXAC1AA |
| JRCI3 | SOIL | 7440-47-3 | Chromium | 6.70E+00 U | UG/G | 9.96E+00 | 1.60E-01 | 0.251 G | 1.30E-01 | 3021042 46DQ | 1/2/2013 20:13 | 3021042 46DQ | MXXAC1AA |
| JRCI3 | SOIL | 7439-92-1 | Lead | 2.44E+00 U | UG/G | 9.96E+00 | 5.00E-01 | 0.251 G | 4.11E-01 | 3021042 46DQ | 1/2/2013 20:13 | 3021042 46DQ | MXXAC1AA |
| JRCI3 | SOIL | 7782-49-2 | Se | -2.07E-01 U | UG/G | 9.96E+00 | 1.60E-01 | 0.251 G | 1.30E-01 | 3021042 46DQ | 1/2/2013 20:13 | 3021042 46DQ | MXXAC1AA |
| JRCI4 | SOIL | 7440-22-4 | Ag | -1.07E-01 U | UG/G | 1.01E+01 | 2.20E-01 | 0.2483 G | 1.78E-01 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXAD1AA |
| JRCI4 | SOIL | 7440-38-2 | As | 2.05E+00 U | UG/G | 1.01E+01 | 1.01E+01 | 0.2483 G | 4.05E-01 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXAD1AA |
| JRCI4 | SOIL | 7440-39-3 | Ba | 6.07E+01 | UG/G | 2.01E+00 | 1.90E-01 | 0.2483 G | 1.53E-01 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXAD1AA |
| JRCI4 | SOIL | 7440-41-7 | Beryllium | 1.96E+01 | UG/G | 1.01E+01 | 1.30E-02 | 0.2483 G | 1.09E-02 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXAD1AA |
| JRCI4 | SOIL | 7440-43-9 | Cadmium | 2.01E+00 U | UG/G | 1.01E+01 | 2.70E-02 | 0.2483 G | 2.20E-02 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXAD1AA |
| JRCI4 | SOIL | 7440-47-3 | Chromium | 7.41E+00 U | UG/G | 1.01E+01 | 1.40E-01 | 0.2483 G | 1.12E-01 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXAD1AA |
| JRCI4 | SOIL | 7439-32-1 | Lead | 3.11E+00 U | UG/G | 1.01E+01 | 3.20E-01 | 0.2483 G | 2.62E-01 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXAD1AA |
| JRCI4 | SOIL | 7782-49-2 | Se | -2.56E+01 U | UG/G | 1.01E+01 | 3.60E-01 | 0.2483 G | 2.98E-01 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXAD1AA |
| JRCI4 | SOIL | 7440-22-4 | Ag | 4.83E+00 U | M/G/L | 5.00E+02 | 5.90E-04 | 0.2567 L | 3.18E-04 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7440-38-2 | As | 1.78E+03 U | M/G/L | 5.00E+02 | 9.00E-04 | 0.2567 L | 7.42E-04 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7440-39-3 | Ba | 1.91E+04 U | M/G/L | 1.00E+02 | 5.90E-04 | 0.2567 L | 4.60E-04 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7440-41-7 | Beryllium | 5.35E+05 U | M/G/L | 5.00E+04 | 5.00E-04 | 0.2567 L | 1.29E-04 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7440-43-9 | Cadmium | 9.12E+05 U | M/G/L | 1.00E+02 | 1.00E-02 | 0.2567 L | 2.65E-04 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7440-47-3 | Chromium | 7.35E+05 U | M/G/L | 5.00E+02 | 4.20E-04 | 0.2567 L | 3.43E-04 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7439-32-1 | Lead | -7.86E+04 U | M/G/L | 5.00E+02 | 2.80E-03 | 0.2567 L | 2.34E-03 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7782-49-2 | Se | 3.75E+03 U | M/G/L | 5.00E+02 | 5.00E-02 | 0.2567 L | 2.70E-03 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7440-22-4 | Ag | 9.71E+01 U | M/G/L | 5.00E+02 | 5.00E-02 | 0.2567 L | 3.74E-04 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7440-38-2 | As | 9.46E+01 U | M/G/L | 5.00E+02 | 5.00E-02 | 0.2567 L | 4.10E-03 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7440-39-3 | Ba | 1.04E+00 U | M/G/L | 1.00E+02 | 1.00E-02 | 0.2567 L | 5.25E-03 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7440-41-7 | Beryllium | 9.75E+01 | M/G/L | 5.00E+04 | 5.00E-04 | 0.2567 L | 4.78E-03 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7440-43-9 | Chromium | 9.23E+01 | M/G/L | 1.00E+02 | 1.00E-02 | 0.2567 L | 1.58E-03 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7782-49-2 | Se | 7.87E+01 | M/G/L | 1.00E+02 | 5.00E-02 | 0.2567 L | 7.00E-03 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7440-22-4 | Ag | 9.47E+01 U | M/G/L | 5.00E+02 | 5.00E-02 | 0.2567 L | 3.22E-03 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7440-38-2 | As | 8.68E+01 U | M/G/L | 5.00E+02 | 5.00E-02 | 0.2567 L | 2.52E-03 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7440-39-3 | Ba | 1.04E+00 U | M/G/L | 1.00E+02 | 1.00E-01 | 0.2567 L | 6.26E-02 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7440-41-7 | Beryllium | 9.57E+01 | M/G/L | 5.00E+04 | 5.00E-04 | 0.2567 L | 8.49E-02 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7440-43-9 | Chromium | 9.23E+01 | M/G/L | 1.00E+02 | 1.00E-02 | 0.2567 L | 7.60E+00 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7782-49-2 | Se | 7.00E+00 U | M/G/L | 5.00E+02 | 5.00E-02 | 0.2567 L | 8.70E+00 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7440-38-2 | As | 4.46E+00 U | M/G/L | 1.00E+01 | 1.00E+01 | 0.2498 G | 7.16E+00 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7440-39-3 | Ba | 7.40E+01 | M/G/L | 1.00E+02 | 2.00E+00 | 0.2498 G | 1.70E-01 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7440-41-7 | Beryllium | 1.88E+01 | M/G/L | 1.00E+01 | 1.00E+01 | 0.2498 G | 2.50E-02 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7440-43-9 | Chromium | 3.11E+00 U | M/G/L | 2.00E+00 | 2.00E+00 | 0.2498 G | 8.30E+00 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7782-49-2 | Se | 6.56E+00 U | M/G/L | 2.00E+00 | 1.00E+01 | 0.2498 G | 8.10E-02 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7440-38-2 | As | 7.00E+00 U | M/G/L | 1.00E+01 | 1.00E+01 | 0.2498 G | 7.60E+00 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7440-39-3 | Ba | 2.28E+00 U | M/G/L | 1.00E+01 | 1.00E+01 | 0.2498 G | 6.60E+00 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7440-41-7 | Beryllium | 1.91E+02 | M/G/L | 1.00E+01 | 1.00E+01 | 0.2498 G | 3.47E-01 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7440-43-9 | Chromium | 1.88E+02 | M/G/L | 1.00E+01 | 1.00E+01 | 0.2498 G | 2.09E-02 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7782-49-2 | Se | 1.87E+02 | M/G/L | 1.00E+01 | 2.00E+00 | 0.2498 G | 6.83E-03 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7440-38-2 | As | 1.94E+02 | M/G/L | 1.00E+01 | 1.00E+01 | 0.2498 G | 6.67E-02 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7440-39-3 | Ba | 1.88E+02 | M/G/L | 1.00E+01 | 2.00E+00 | 0.2498 G | 6.26E+00 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7440-41-7 | Beryllium | 1.91E+02 | M/G/L | 1.00E+01 | 1.00E+01 | 0.2498 G | 5.41E+00 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7440-43-9 | Chromium | 1.82E+02 | M/G/L | 1.00E+01 | 1.00E+01 | 0.2498 G | 7.16E+00 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7782-49-2 | Se | 1.77E+02 | M/G/L | 1.00E+01 | 1.00E+01 | 0.2498 G | 4.248E L | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7440-38-2 | As | 1.90E+02 | M/G/L | 1.00E+01 | 2.00E+00 | 0.2498 G | 1.30E+01 | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7440-39-3 | Ba | 1.93E+02 | M/G/L | 1.00E+01 | 1.00E+01 | 0.2498 G | 1.2513 L | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7440-41-7 | Beryllium | 1.98E+02 | M/G/L | 1.00E+01 | 1.00E+01 | 0.2498 G | 1.2513 L | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7440-43-9 | Chromium | 1.91E+02 | M/G/L | 1.00E+01 | 1.00E+01 | 0.2498 G | 1.2513 L | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI4 | SOIL | 7782-49-2 | Se | 1.85E+02 | M/G/L | 1.00E+01 | 2.00E+00 | 0.2498 G | 1.2513 L | 3021042 46DQ | 1/2/2013 20:18 | 3021042 46DQ | MXXA71AA |
| JRCI5 | SOIL | 7439-32-1 | Lead | 1.78E+00 U | MSD | 9.96E+00 | 1.90E+01 | 0.2498 L | 0.94 E-01 | 3021042 46DQ | 1/2/2013 18:34 | 3021042 46DQ | MXXC1AA |
| JRCI5 | SOIL | 7782-49-2 | Se | 1.77E+00 U | MSD | 9.96E+00 | 1.90E+01 | 0.2498 L | 0.98 E-01 | 3021042 46DQ | 1/2/2013 18:34 | 3021042 46DQ | MXXC1AA |
| JRCI5 | SOIL | 7440-22-4 | Ag | 1.80E+00 U | MSD | 9.96E+00 | 1.90E+01 | 0.2498 L | 1.0E+00 | 3021042 46DQ | 1/2/2013 18:34 | 3021042 46DQ | MXXC1AA |
| JRCI5 | SOIL | 7440-38-2 | As | 1.82E+00 U | MSD | 9.96E+00 | 1.90E+01 | 0.2498 L | 1.0E+00 | 3021042 46DQ | 1/2/2013 18:34 | 3021042 46DQ | MXXC1AA |
| JRCI5 | SOIL | 7440-39-3 | Ba | 1.84E+00 U | MSD | 9.96E+00 | 1.90E+01 | 0.2498 L | 1.0E+00 | 3021042 46DQ | 1/2/2013 18:34 | 3021042 46DQ | MXXC1 |

Richland Laboratory
Data Review Check List
Hexavalent Chromium

| Batch Number(s): | 3021049 | Lab Sample Numbers or SDG: | J01673 | |
|--|------------|----------------------------|------------|-------------------------------------|
| Method/Test/Parameter: Cr+6 <input type="checkbox"/> RL-WC-003(Aqueous) <input checked="" type="checkbox"/> RL-WC-004(Solid) | | | | |
| Review Item | Yes (✓) | No (✗) | N/A (✗) | 2 nd Level Review (✓) |
| A. Initial Calibration | | | | |
| 1. Performed at required frequency with required number of levels? | ✓ | | | ✗ |
| 2. Correlation coefficient greater than 0.97? | ✓ | | | ✗ |
| 3. Initial calibration verification (ICV) analyzed immediately after calibration and results within 10% of expected? | ✓ | | | ✗ |
| 4. Initial calibration blank (ICB) analyzed immediately after ICV and concentrations of all parameters \leq reporting limit? | ✓ | | | ✗ |
| B. Continuing Calibration | | | | |
| 1. CCV analyzed at required frequency and all parameters within 10% of expected? | ✓ | | | ✗ |
| 2. CCB analyzed at required frequency and all results \leq reporting limit? | ✓ | | | ✗ |
| C. Sample Analysis | | | ✓ | ✗ |
| 1. Were any samples with concentrations above the linear range diluted and reanalyzed? | | | ✓ | ✗ |
| 2. Were all sample holding times met? | ✓ | | | ✗ |
| D. QC Samples | | | | |
| 1. All results for the preparation blank below limits? | ✓ | | | ✗ |
| 2. LCS percent recovery within 85-115% | ✓ | | | ✗ |
| 3. PbCrO ₄ percent recovery within 75-125%? | ✓ | | | ✗ |
| 4. Sample and Duplicate within 20% (aqueous) or 35% (solid) RPD? | ✓ | | | ✗ |
| 5. MS or MS/MSD recoveries within 85-115% (aqueous) or 75-125% (solid)? | ✓ | | | ✗ |
| 6. On MS failure, PDMS within 85-115%? | | ✓ | | ✗ |
| E. Other | | | ✓ | ✗ |
| 1. Are all nonconformances included and noted? | | | ✓ | ✗ |
| 2. Is the correct date and time of analysis shown? | ✓ | | | ✗ |
| 3. Did the analyst sign and date the front page of the analytical run? | ✓ | | | ✗ |
| 4. Correct methodology used? | ✓ | | | ✗ |
| 5. Transcriptions checked? | ✓ | | | ✗ |
| 6. Calculations checked at minimum frequency? | ✓ | | | ✗ |
| 7. Units checked? | ✓ | | | ✗ |

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

Analyst _____

Date 1/21/13 2nd Review

Date 1/22/13

Lot No., Due Date: J3A210427; 01/22/2013
 Client, Site: 127642;
 QC Batch No., Method Test: 3021042; M6010_S 6010A
 SDG, Matrix: 501673 BC1105

1.0 Initial Calibration

- 1.1 Performed at required frequency with required number of levels? Yes No N/A 2nd ✓
 1.2 Correlation coefficient within QC limits? Yes No N/A 2nd ✓
 1.3 Initial calibration verification (ICV) analyzed immediately after callbr. and results within QC limits of +/- 10% at 0.75 ppm? Yes No N/A 2nd ✓
 1.4 ICB analyzed immediately after ICV and concentration of all parameters +/- report limit from zero? RL per RadCalc. Yes No N/A 2nd ✓

2.0 Continuing Calibration

- 2.1 CCV analyzed at required frequency and all parameters within QC limits or +/- 10% at 0.7500 ppm? Yes No N/A 2nd ✓
 2.2 CCB analyzed at required frequency and all results +/- reporting limit from zero? Yes No N/A 2nd ✓

3.0 Sample Analysis

- 3.1 Were any samples with concentration above the linear range diluted and reanalyzed? Yes No N/A 2nd ✓
 3.2 Were all sample holding times met? Yes No N/A 2nd ✓

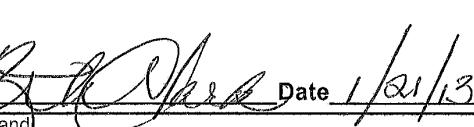
4.0 QC Samples

- 4.1 All results for the preparation blank < reporting limits? Yes No N/A 2nd ✓
 4.2 MS or MS/MSD recoveries within 20% at 1 ppm and within 20% RPD (for MSD)? Yes No N/A 2nd ✓
 4.3 LCS present recovery within 20% at 1 ppm and 20% RPD (for LCSD)? Yes No N/A 2nd ✓
 4.4 Analytical spikes within QC limits where applicable? Yes No N/A 2nd ✓
 4.5 ICP only: One serial dilution performed and within 10% of parent per SDG? Yes No N/A 2nd ✓
 4.6 ICP only: RLV run per batch and within 20% of current values? Yes No N/A 2nd ✓
 4.7 ICP only: ICSA, ICSAB analyzed at the required frequencies and within 20% of values per dilution record? Yes No N/A 2nd ✓

5.0 Other

- 5.1 Are all nonconformances included and noted? Yes No N/A 2nd ✓
 5.2 Is the correct date and time of analysis shown? Yes No N/A 2nd ✓
 5.3 Did the analyst sign and date the digestion log for the analytical run? Yes No N/A 2nd ✓
 5.4 Correct methodology used? Yes No N/A 2nd ✓
 5.5 Transcriptions checked? Yes No N/A 2nd ✓
 5.6 Calculations checked at minimum frequency? Yes No N/A 2nd ✓
 5.7 Units checked? Yes No N/A 2nd ✓
 5.8 Verified that appropriate data transferred to ReportDB? Yes No N/A 2nd ✓

6.0 Comments on any 'No' response:

First Level  Date 1/21/13 Second  Date 1/21/13
 TestAmerica Richland
 QAS_RADCALCV4.8.58

| CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | | | | RC-074-450 | Page 1 of 4 |
|---|---|---|-------------------------------------|-------------------------------|---|
| Collector M. Roffell | Company Contact Joan Kessner | Telephone No. 509-375-4688 | Project Coordinator KEFSSNER, JH | Price Code 81 | Data Turnaround 1/13 21 Days 24 Hours |
| Project Designation 100-D/DR Burial Grounds & Remaining Sites - Soil In-Proc | Sampling Location 100-D-100 In-Situ BCL 18-30' bgs | SAF No. RC-074 | Method of Shipment Hand Deliver | | |
| Ice Chest No. N/A | Field Logbook No. EL-1607-15 | COA 0D10032600 | | | |
| 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 Deg C | | | | | |
| J3A310428 J3A210427 Due 1-22-13 | | | | | |
| Sample No. | Matrix* | Sample Date 1/18/13 | Sample Time 0940 | Cool 4C | |
| J1RC15 matrix | SOIL | | | | |
| J1RC16 matrix | SOIL | | 0950 | | |
| J1RC17 matrix | SOIL | | 1025 | X | |
| J1RC18 matrix | SOIL | | 1028 | X | |
| J1RC19 matrix | SOIL | | 0950 | X | |
| SPECIAL INSTRUCTIONS | | | | | |
| Relinquished By/Removed From John Roffell | Date/Time 1-18-13 13:54 | Received By/Stored In mtankouch | Date/Time 1-18-13 14:44 | Date/Time 1-18-13 15:54 | (1) Metals by ICP - 6010 - Quick Turn (Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, Silver) |
| Relinquished By/Removed From mtankouch | Date/Time 1-18-13 16:45 | Received By/Stored In mtankouch | Date/Time 1-18-13 16:45 | Date/Time 1-18-13 16:45 | * |
| Relinquished By/Removed From mtankouch | Date/Time 1-18-13 1025 | * Received By/Stored In A. Freier | Date/Time 1-21-13 1025 | Date/Time 1-21-13 1025 | Custodian unavailable to remove samples from controlled storage. Shipper removed samples, taking custody for shipment to lab. |
| Relinquished By/Removed From A. Freier | Date/Time 1-21-13 1055 | Received By/Stored In mtankouch | Date/Time 1-21-13 1055 | Date/Time 1-21-13 1055 | |
| Relinquished By/Removed From | Date/Time | Received By/Stored In | Date/Time | Date/Time | |
| Relinquished By/Removed From | Date/Time | Received By/Stored In | Date/Time | Date/Time | |
| LABORATORY SECTION | Received By | | Title | Date/Time | |
| FINAL SAMPLE DISPOSITION | Disposal Method | | Disposed By | Date/Time | |

WICH-EE-011

| Washington Closure Hanford | | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | | | | RC-074-450 | | Page 2 of 4 | |
|---|---|--|---|-----------------------------|--------------|---------------------|-------------|--|----|
| Collector | <u>M. R. Schell</u> | Company Contact | Joan Kessner | Telephone No. | 509-375-4688 | Project Coordinator | KESSNER, JH | Price Code | 81 |
| Project Designation | 100-D/DR Burial Grounds & Remaining Sites - Soil In-Proce | Sampling Location | 100-D-100 In-Situ BCL 18-30' bgs | SAF No. | RC-074 | Method of Shipment | | <u>DATA TURNAROUND 11/18/13 24 Days 24/7/RS</u> | |
| Ice Chest No. | N/A | Field Logbook No. | EL-1607-15 | COA | 0D10032600 | Hand Deliver | | | |
| Shipped To | TestAmerica Incorporated, Richland | Offsite Property No. | N/A | Bill of Lading/Air Bill No. | | | | N/A | |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | Preservation | Cool 4C | Cool 4C | | | | | |
| None | | Type of Container | G/P | G/P | | | | | |
| Special Handling and/or Storage | | No. of Container(s) | 1 | 1 | | | | | |
| Cool 4 Deg C | | Volume | 125mL | 125mL | | | | | |
| <u>JIRCK0 M NUSQ</u> <u>501673</u> <u>Due 1-32-13</u> | | See Item(1) in Special Instructions. | Chromium Hex - 719% Quick Turn {Hexavalent Chromium} | | | | | | |
| SAMPLE ANALYSIS | | | | | | | | | |
| | | | | | | | | | |
| Sample No. | Matrix * | Sample Date | 1/18/13 | Sample Time | 10:55 | Date/Time | 1/18/13 | SPECIAL INSTRUCTIONS | |
| JIRCK0 M NUSQ | SOIL | 1/18/13 | 10:55 | X | X | | | (1) Metals by ICP - 6010 - Quick Turn {Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, Silver} | |
| JIRCK1 M NUSQ | SOIL | 1/18/13 | 10:39 | X | X | | | * Custodian unavailable to remove samples from controlled storage. Shipper removed samples, taking custody for shipment to lab. | |
| JIRCK2 M NUSQ | SOIL | 1/21/13 | 10:10 | X | X | | | | |
| JIRCK3 M NUSQ | SOIL | 1/21/13 | 09:50 | X | X | | | | |
| JIRCK4 M NUSQ | SOIL | 1/21/13 | 10:28 | X | X | | | | |
| CHAIN OF POSSESSION | | Sign/Print Names | | | | | | Matrix * | |
| Relinquished By/Removed From | Date/Time | Received By/Stored In | wc4 | Date/Time | 1/18/13 | | | So=Soil SE=Sediment SS=Solid SR=Sludge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Tissue W=Wipe L=Liquid V=Vegetation X=Other | |
| <u>M. R. Schell</u> | <u>1/18/13</u> | <u>mstankach</u> | <u>1/18/13</u> | <u>10:55</u> | | | | | |
| Relinquished By/Removed From | Date/Time | Received By/Stored In | wc4 | Date/Time | 1/18/13 | | | | |
| <u>mstankach</u> | <u>1/18/13</u> | <u>1060/14</u> | <u>1/18/13</u> | <u>10:55</u> | | | | | |
| Relinquished By/Removed From | Date/Time | Received By/Stored In | wc4 | Date/Time | 1/21/13 | | | | |
| <u>1060/14</u> | <u>1/21/13</u> | <u>1025</u> | <u>A. Fries</u> | <u>1/21/13</u> | | | | | |
| Relinquished By/Removed From | Date/Time | Received By/Stored In | wc4 | Date/Time | 1/21/13 | | | | |
| <u>A. Fries</u> | <u>1/21/13</u> | <u>1055</u> | <u>D. Schell</u> | <u>1/21/13</u> | | | | | |
| Relinquished By/Removed From | Date/Time | Received By/Stored In | wc4 | Date/Time | | | | | |
| | | | | | | | | | |
| LABORATORY SECTION | Received By | | | | | | | Title | |
| FINAL SAMPLE DISPOSITION | Disposal Method | | | | | | | Date/Time | |
| | | | | | | | | Date/Time | |

| CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | | | | RC-074-450 | Page 4 of 4 |
|---|---|---|------------------------------------|------------------|---|
| Collector <i>M. R. Kessner</i> | Company Contact Joan Kessner | Telephone No. 509-375-4588 | Project Coordinator KESSNER, JH | Price Code 81 | Data Turnaround 7/18/15 21 Days 24 Hrs |
| Project Designation 100-D/DR Burial Grounds & Remaining Sites - Soil In-Proce | Sampling Location 100-D-100 In-Situ BCL 18-30' bgs | SAF No. RC-074 | Method of Shipment Hand Deliver | | |
| Ice Chest No. N/A | Field Logbook No. EL-1607-15 | COA 0D10032600 | | | |
| Shipped To TestAmerica Incorporated, Richland | Offsite Property No. N/A | | Bill of Lading/Air Bill No. N/A | | |
| POSSIBLE SAMPLE HAZARDS/REMARKS <i>None</i> | | Preservation G/P | Cool 4C G/P | | |
| Special Handling and/or Storage <i>Cool 4 Deg C</i> | | Type of Container No. of Container(s) 1 | | | |
| <i>J1RCL3</i> SAMPLE ANALYSIS One 1-32-13 | | Volume 125mL | 125mL | | |
| | | See Item (1) in Chromium Hex - 7196 - Quick Turn (Equivalent Chromium) | | | |
| Sample No. <i>J1RCL3</i> | Matrix * SOIL | Sample Date 1/18/13 | Sample Time 1224 | X | |
| J1RCL1 | SOIL | | 0902 | X | |
| J1RCL2 | SOIL | | 0859 | X | |
| J1RCL3 | SOIL | | 0850 | X | |
| J1RCL4 | SOIL | | 0853 | X | |
| SPECIAL INSTRUCTIONS | | | | | |
| Matrix * So=Soil St=Sediment So=Solid St=Sludge W=Water O=Oil A=Air DS=Dam Solids DL=Dam Liquids T=Tissue Wi=Wire L=Liquid Ve=Vegetation X=Other | | | | | |
| <p>1) Metals by ICP - 6010 - Quick Turn {Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, Silver}</p> <p>* Custodian unavailable to remove samples from controlled storage. Shipper removed samples, taking custody for shipment to lab.</p> | | | | | |
| Relinquished By/Removed From <i>Met. Res. Lab. 1A.</i> | Date/Time <i>1/18/13 1025</i> | Received By/Stored In <i>met. lab. stock</i> | Date/Time <i>1/18/13 1025</i> | | |
| Relinquished By/Removed From <i>Met. Res. Lab. 1A.</i> | Date/Time <i>1/18/13 1045</i> | Received By/Stored In <i>met. lab. stock</i> | Date/Time <i>1/18/13 1045</i> | | |
| Relinquished By/Removed From <i>A. Frieser A. Frieser</i> | Date/Time <i>1/21/13 1025</i> | Received By/Stored In <i>A. Frieser A. Frieser</i> | Date/Time <i>1/21/13 1025</i> | | |
| Relinquished By/Removed From <i>A. Frieser A. Frieser</i> | Date/Time <i>1/21/13 1055</i> | Received By/Stored In <i>A. Frieser A. Frieser</i> | Date/Time <i>1/21/13 1055</i> | | |
| Relinquished By/Removed From <i>A. Frieser A. Frieser</i> | Date/Time <i>1/21/13 1055</i> | Received By/Stored In <i>A. Frieser A. Frieser</i> | Date/Time <i>1/21/13 1055</i> | | |
| Relinquished By/Removed From <i>A. Frieser A. Frieser</i> | Date/Time <i>1/21/13 1055</i> | Received By/Stored In <i>A. Frieser A. Frieser</i> | Date/Time <i>1/21/13 1055</i> | | |
| LABORATORY SECTION | Received By | | | | Date/Time |
| FINAL SAMPLE DISPOSITION | Disposal Method | | | | Date/Time |

Sample Check-in List

Date/Time Received: 1-21-13 / 1055 Container GM Screen Result: (Airlock) .4 Initials B]
 Sample GM Screen Result (Sample Receiving) :6 Initials B]

Client: WCH SDG #: 50 1073 NA [] SAF #: RC-074 NA []

Lot Number: 33A010427

Chain of Custody # RC074-450

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

Samples received inside shipping container/cooler/box Yes B] Continue with 1 through 4. Initial appropriate response.

No [] Go to 5, add comment to #16.

1. Custody Seals on shipping container intact? Yes [] No [] No Custody Seal B]
2. Custody Seals dated and signed? Yes [] No [] No Custody Seal B]
3. Cooler temperature: 9.0 °C ON ICE NA []
4. Vermiculite/packing materials is NA B] Wet [] Dry []

Item 5 through 16 for samples. Initial appropriate response.

5. Chain of Custody record present? Yes B] No []
6. Number of samples received (Each sample may contain multiple bottles): 20
7. Containers received: 20 x 125 mlp

8. Sample holding times exceeded? NA [] Yes [] No B]
9. Samples have:
 - tape
 - custody seals
 hazard labels B 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 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 HNO₃ added and pH after addition on table overleaf)
13. RPL ID # of preservative used : NIA
14. Were any anomalies identified in sample receipt? Yes [] No B]
15. Description of anomalies (include sample numbers): NA B _____

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

16. Additional Information: W/A

Client/Courier denied temperature check. Client/Courier unpack cooler.

[3] Client/Courier unpack cooler.

Sample Custodian: Julie Bach Date: 1-21-13

Client Informed on _____ by _____ Person contacted _____

No action necessary; process as is

J3Ad1042A

SW 10/11/13

LS-023, Rev. 15, 07/11

See over for additional information.

| Sample Preparation/Analysis | | | | | | | | | | |
|-----------------------------|---|---|-----------------------------|---------------------|-----------|-----------------|----------------|-------------|------------------------------|-----------------------|
| Work Ord. Lot, Sample Date | Total Amt/Unit | Initial Aliq Amt AmU/Unit | Adj Aliq Amt (Un-Acidified) | QC Tracer Prep Date | Dish Size | Ppt or Geometry | Count Time Min | Detector Id | Count On Off (24hr) Circle | CR Analyst, Init/Date |
| 1 MXW9C-1-AC | | | | | | | | | | |
| J3A210427-1-SAMP | | | | | | | | | | |
| 01/18/2013 09:40 | | | | | | | | | | |
| AmRec: 2X125MLP | #Containers: 2 | | | | | | | | | |
| 2 MXW9C-1-CE-S | | | | | | | | | | |
| J3A210427-1-MS | | | | | | | | | | |
| 01/18/2013 09:40 | | | | | | | | | | |
| AmRec: 2X125MLP | #Containers: 2 | | | | | | | | | |
| 3 MXW9C-1-CG-X | | | | | | | | | | |
| J3A210427-1-DUP | | | | | | | | | | |
| 01/18/2013 09:40 | | | | | | | | | | |
| AmRec: 2X125MLP | #Containers: 2 | | | | | | | | | |
| 4 MXW9F-1-AC | | | | | | | | | | |
| J3A210427-2-SAMP | | | | | | | | | | |
| 01/18/2013 09:50 | | | | | | | | | | |
| AmRec: 2X125MLP | #Containers: 2 | | | | | | | | | |
| 5 MXW9G-1-AC | | | | | | | | | | |
| J3A210427-3-SAMP | | | | | | | | | | |
| 01/18/2013 10:25 | | | | | | | | | | |
| AmRec: 2X125MLP | #Containers: 2 | | | | | | | | | |
| 6 MXW9J-1-AC | | | | | | | | | | |
| J3A210427-4-SAMP | | | | | | | | | | |
| 01/18/2013 10:28 | | | | | | | | | | |
| AmRec: 2X125MLP | #Containers: 2 | | | | | | | | | |
| 7 MXW9K-1-AC | | | | | | | | | | |
| J3A210427-5-SAMP | | | | | | | | | | |
| 01/18/2013 09:50 | | | | | | | | | | |
| AmRec: 2X125MLP | #Containers: 2 | | | | | | | | | |
| TestAmerica | Key: In - Initial Amt, fi - Final Amt, di - Diluted Amt, s1 - Sep1, s2 - Sep2 Richland Wa. | WO Cnt: 7 ISV - Insufficient Volume for Analysis | Page 1 ICOC v4.8.49 | | | | | | | |

| Sample Preparation/Analysis | | | | | | | | | | Balance Id: |
|-------------------------------|---|-------------------------|-----------------------------|---------------------------------|------------------------|--------------|--------------------|-------------------|----------------|-------------------------|
| | | | | | | | | | | Pipet #: |
| | | | | | | | | | | Sep1 DT/Tm Tech: |
| | | | | | | | | | | Sep2 DT/Tm 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 | Dish Size | Ppt or Geometry | Count Time Min | Detector Id | CR Analyst, InitDate |
| SEQ Batch, Test | mg/kg | | | | | | | | | Comments: |
| 8 MXW9W-1-AC | | | | | | | | | | Prep Tech: |
| J3A210427-6-SAMP | | | | | | | | | | |
| 01/18/2013 10:01 | | | | | | | | | | |
| 9 MXW9N-1-AC | | | | | | | | | | |
| J3A210427-7-SAMP | | | | | | | | | | |
| 01/18/2013 10:39 | | | | | | | | | | |
| 10 MXW9Q-1-AC | | | | | | | | | | |
| J3A210427-8-SAMP | | | | | | | | | | |
| 01/18/2013 12:10 | | | | | | | | | | |
| 11 MXW9T-1-AC | | | | | | | | | | |
| J3A210427-9-SAMP | | | | | | | | | | |
| 01/18/2013 09:50 | | | | | | | | | | |
| 12 MXW9V-1-AC | | | | | | | | | | |
| J3A210427-10-SAMP | | | | | | | | | | |
| 01/18/2013 10:28 | | | | | | | | | | |
| 13 MXW9W-1-AC | | | | | | | | | | |
| J3A210427-11-SAMP | | | | | | | | | | |
| 01/18/2013 12:15 | | | | | | | | | | |
| 14 MXW9X-1-AC | | | | | | | | | | |
| J3A210427-12-SAMP | | | | | | | | | | |
| 01/18/2013 12:19 | | | | | | | | | | |
| TestAmerica | 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 | | | | | | | | | |
| Richland Wa. | WO Cnt: 14 ICO C v4.8.49 | | | | | | | | | |
| | ISV - Insufficient Volume for Analysis | | | | | | | | | |

| Sample Preparation/Analysis | | | | | | | | | | Balance Id: | | |
|--|--|----------------------|--------------------------|------------------------------|---------------------|------------|-----------------|----------------|-------------|------------------------------|--|------------|
| DW Alkaline Digestion by method 3060A EA Chromium, Hexavalent (7196A) | | | | | | | | | | Pipet #: | | |
| 51 CLIENT: HANFORD | | | | | | | | | | Sep1 DT/Tm Tech: | | |
| Batch: 3021049 Soil mg/kg | | | | | | | | | | PM, Quote: RW2, 88144 | | |
| SEQ Batch, Test: None | | | | | | | | | | 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 | Dish Yield | Ppt or Geometry | Count Time Min | Detector Id | Count On Off (24hr) Circle | CR Analyst, InitDate | Comments: |
| 15 MXW91-1-AC | | | | | | | | | | | | |
| J3A210427-13-SAMP | | | | | | | | | | | | |
| 01/18/2013 09:40 | | | | | | | | | | | | |
| Am/Fec: 2X125MLP | | | | | | | | | | | | |
| #Containers: 2 | | | | | | | | | | | | |
| 16 MXW93-1-AC | | | | | | | | | | | | |
| J3A210427-14-SAMP | | | | | | | | | | | | |
| 01/18/2013 10:15 | | | | | | | | | | | | |
| Am/Fec: 2X125MLP | | | | | | | | | | | | |
| #Containers: 2 | | | | | | | | | | | | |
| 17 MXW94-1-AC | | | | | | | | | | | | |
| J3A210427-15-SAMP | | | | | | | | | | | | |
| 01/18/2013 12:15 | | | | | | | | | | | | |
| Am/Fec: 2X125MLP | | | | | | | | | | | | |
| #Containers: 2 | | | | | | | | | | | | |
| 18 MXW96-1-AC | | | | | | | | | | | | |
| J3A210427-16-SAMP | | | | | | | | | | | | |
| 01/18/2013 12:24 | | | | | | | | | | | | |
| Am/Fec: 2X125MLP | | | | | | | | | | | | |
| #Containers: 2 | | | | | | | | | | | | |
| 19 MXW98-1-AC | | | | | | | | | | | | |
| J3A210427-17-SAMP | | | | | | | | | | | | |
| 01/18/2013 09:02 | | | | | | | | | | | | |
| Am/Fec: 2X125MLP | | | | | | | | | | | | |
| #Containers: 2 | | | | | | | | | | | | |
| 20 MXXAA-1-AC | | | | | | | | | | | | |
| J3A210427-18-SAMP | | | | | | | | | | | | |
| 01/18/2013 08:59 | | | | | | | | | | | | |
| Am/Fec: 2X125MLP | | | | | | | | | | | | |
| #Containers: 2 | | | | | | | | | | | | |
| 21 MXXAC-1-AC | | | | | | | | | | | | |
| J3A210427-19-SAMP | | | | | | | | | | | | |
| 01/18/2013 08:50 | | | | | | | | | | | | |
| Am/Fec: 2X125MLP | | | | | | | | | | | | |
| #Containers: 2 | | | | | | | | | | | | |
| TestAmerica | Key: In - Initial Amt, fi - Final Amt, di - Diluted Amt, s1 - Sep1, s2 - Sep2, Page 3 | | | | | | | | | | ISV - Insufficient Volume for Analysis | WO Cnt: 21 |
| Richland Wa. | pd - Prep Dt, dc - Date Chg, r - Reference Dt, ec-Enrichment Cell, ct-Cocktailed Added | | | | | | | | | | ICOC v4.8.49 | |

| Sample Preparation/Analysis | | | | | | | | | | | |
|---|--|-------|--|-----------------------|--|--|------------------|--|--|------------------|--|
| 1/21/2013 4:09:46 PM | DW Alkaline Digestion by method 3060A EA Chromium, Hexavalent (7196A) | | | | | | Balance Id: | | | | |
| 127642, Washington Closure Hanford LLC | | | | | | | | | | | |
| SEQ Batch, Test: None | | | | | | | | | | | |
| AnalystDate: 01/22/2013 | | | | | | | | | | | |
| Batch: 3021049 | SOIL | mg/kg | | PM, Quote: RW2, 88144 | | | Sep1 DT/Tm Tech: | | | Sep2 DT/Tm Tech: | |
| 22 MXXAD-1-AC | | | | | | | Prep Tech: | | | Prep Tech: | |
| J3A210427-20-SAMP | | | | | | | | | | | |
| 01/18/2013 08:53 | | | | | | | | | | | |
| 23 MXXCW-1-AA-B | | | | | | | | | | | |
| J3A210000-49-BLK | | | | | | | | | | | |
| 01/21/2013 15:21 pd | | | | | | | | | | | |
| 24 MXXCW-1-AC-C | | | | | | | | | | | |
| J3A210000-49-LCS | | | | | | | | | | | |
| 01/21/2013 15:21 pd | | | | | | | | | | | |
| Comments: | | | | | | | | | | | |
| All Clients for Batch: | | | | | | | | | | | |
| 127642, Washington Closure Hanford LLC | | | | | | | | | | | |
| Washington Closure Hanford LLC, RW2, 88144 | | | | | | | | | | | |
| NXW9CLAC-SAMP Constituent List: | | | | | | | | | | | |
| NXWCW1AA-BLK: | | | | | | | | | | | |
| NXXCLAC-LCS: | | | | | | | | | | | |
| NXW9CLAC-SAMP Calc Info: | | | | | | | | | | | |
| Uncert Level (#s) : 2 | | | | | | | | | | | |
| NXW9CLAC-MS Calc Info: | | | | | | | | | | | |
| Uncert Level (#s) : 2 | | | | | | | | | | | |
| NXXCLAA-BLK: | | | | | | | | | | | |
| Uncert Level (#s) : 2 | | | | | | | | | | | |
| TestAmerica Key: In - Initial Amt, fi - Final Amt, di - Diluted Amt, s1 - Sep1, s2 - Sep2 | | | | | | | | | | | |
| 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 | | | | | | | | | | | |
| WO Cnt: 24 | | | | | | | | | | | |
| ICOC v4.8.49 | | | | | | | | | | | |

| Sample Preparation/Analysis | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|
| DW Alkaline Digestion by method 3060A EA Chromium, Hexavalent (7196A) | | | | | | | | | | | |
| 51 CLIENT: HANFORD | | | | | | | | | | | |
| AnalyDueDate: 01/22/2013 | | | | | | | | | | | |
| Batch: 3021049 mg/kg | | | | | | | | | | | |
| SEC Batch, Test: None | | | | | | | | | | | |
| Work Ord. Lot, Total Amt/Unit 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: | | | | | | | | | | | |
| Sample Date | | | | | | | | | | | |
| xxcw1AC-LCS: Uncert Level (#s) : 2 Decay to Sadt: Y Blk Subt.: N Sci.Not.: Y ODRs: B | | | | | | | | | | | |
| Balance Id: _____ Pipet #: _____ Sep1 DT/Tm Tech: _____ Sep2 DT/Tm Tech: _____ Prep Tech: _____ | | | | | | | | | | | |