

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 4/15/14
INITIAL/DATE

COMMENTS:

SDG J02136

SAF RC-074

Rad only

Chem only

Rad & Chem

Complete

Partial

Waste Site: 100-D-100 (LDR04 scraped soil to reclassify as ACL)

Analytical Data Package Prepared For

Washington Closure Hanford

Analysis Provided By

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

SDG Number: J02136

Data Package Contains 8 Pages

Certificate of Analysis

Washington Closure Hanford
2620 Fermi Avenue
Richland, WA 99354

April 14, 2014

Attention: Joan Kessner

SAF Number	:	RC-074
Date SDG Closed	:	April 10, 2014
Number of Samples	:	Four (4)
Sample Type	:	Soil
SDG Number	:	J02136
Data Deliverable	:	Quick Turn Metals / Summary

CASE NARRATIVE

I. Introduction

On April 10, 2014, four 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;

<u>WCH ID#</u>	<u>TARL ID#</u>	<u>MATRIX</u>	<u>DATE OF RECEIPT</u>
J1THN3	M3GEN	SOIL	4/10/14
J1THN4	M3GEP	SOIL	4/10/14
J1THN5	M3GEQ	SOIL	4/10/14
J1THN6	M3GER	SOIL	4/10/14

II. Sample Receipt

The samples were received in good condition and no anomalies were noted during check-in.

III. Analytical Results/Methodology

The analytical results for this report are presented by laboratory sample ID. Each set of data includes sample identification information, analytical results and the appropriate associated statistical errors. The requested analyses were:

ICP Metals
ICP Metals by method SW-846 6010A

IV. Quality Control

SDG J02136 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.

Washington Closure Hanford
April 14, 2014

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

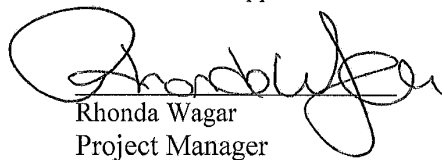
One batch was analyzed for the samples with the standard metal request list.

Batch 4101032:

The RPD for the sample and sample duplicate (J1THN3 Dup) for Arsenic and Barium are not within the acceptance limits. This maybe attributed to the inhomogeneity of the matrix. All other QC acceptance requirements are within limits. Except as noted; the LCS, batch blank, samples, sample duplicate, MS, MSD, ICB, ICV, CCB and CCV results are within contractual limits.

I certify that this Certificate of Analysis is in compliance with the SOW, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager, or a designee as verified by the following signature.

Reviewed and approved:


Rhonda Wagar
Project Manager

SDG: J02136
SAF: RC-074
BATCH: 4101032
MATRIX: SOIL
ANALYSIS DATE: 4/11/14

Client_id	Matrix	Result	Qualifier	Units	Reporting_Limits	SReporting_Limits	Uncertainty_Is	Analyzed_sAnalyz	Decision	Level_Ic	LCSReccAdde	Analysis_date_time	Batch_nbr	Test_MetLab_sample_id
J1THN3	SOIL	-1.57E+01	U	UG/G	1.91E+00	1.91E+00	1.30E-01	0.2514	G	1.06E-01		4/11/2014 13:07	4101032	46DQ M3GEN1A0
J1THN3	SOIL	1.70E+00	U	UG/G	1.73E+00	1.73E+00	1.10E+00	0.2514	G	8.85E-01		4/11/2014 13:07	4101032	46DQ M3GEN1A0
J1THN3	SOIL	5.76E+01		UG/G	3.98E-01	3.98E-01	1.30E+00	0.2514	G	1.07E+00		4/11/2014 13:07	4101032	46DQ M3GEN1A0
J1THN3	SOIL	2.70E-01		UG/G	2.59E-02	2.59E-02	1.80E-02	0.2514	G	1.48E-02		4/11/2014 13:07	4101032	46DQ M3GEN1A0
J1THN3	SOIL	1.28E-01	U	UG/G	1.99E-01	1.99E-01	4.30E-03	0.2514	G	3.86E-03		4/11/2014 13:07	4101032	46DQ M3GEN1A0
J1THN3	SOIL	2.04E-01	U	UG/G	7.96E-01	7.96E-01	8.20E-01	0.2514	G	6.72E-01		4/11/2014 13:07	4101032	46DQ M3GEN1A0
J1THN3	SOIL	3.98E+00	U	UG/G	8.55E-01	8.55E-01	3.40E-01	0.2514	G	2.76E-01		4/11/2014 13:07	4101032	46DQ M3GEN1A0
J1THN3	SOIL	1.38E-01	U	UG/G	2.39E+00	2.39E+00	7.30E-01	0.2514	G	6.03E-01		4/11/2014 13:07	4101032	46DQ M3GEN1A0
J1THN3	SOIL	-1.86E-01	U	UG/G	1.93E+00	1.93E+00	1.70E-01	0.2485	G	1.36E-01		4/11/2014 13:25	4101032	46DQ M3GEP1A0
J1THN4	SOIL	2.46E+00	U	UG/G	1.79E+00	1.79E+00	1.20E+00	0.2485	G	1.02E+00		4/11/2014 13:25	4101032	46DQ M3GEP1A0
J1THN4	SOIL	6.70E+01		UG/G	4.02E-01	4.02E-01	7.60E-01	0.2485	G	6.23E-01		4/11/2014 13:25	4101032	46DQ M3GEP1A0
J1THN4	SOIL	2.78E-01		UG/G	2.62E-02	2.62E-02	9.10E-03	0.2485	G	7.46E-03		4/11/2014 13:25	4101032	46DQ M3GEP1A0
J1THN4	SOIL	1.22E-01	U	UG/G	2.01E-01	2.01E-01	5.70E-02	0.2485	G	4.68E-02		4/11/2014 13:25	4101032	46DQ M3GEP1A0
J1THN4	SOIL	4.02E+01	U	UG/G	8.05E-01	8.05E-01	6.20E-01	0.2485	G	5.11E-01		4/11/2014 13:25	4101032	46DQ M3GEP1A0
J1THN4	SOIL	4.27E+00	U	UG/G	8.65E-01	8.65E-01	6.50E-01	0.2485	G	5.34E-01		4/11/2014 13:25	4101032	46DQ M3GEP1A0
J1THN4	SOIL	-8.47E-01	U	UG/G	2.41E+00	2.41E+00	1.40E+00	0.2485	G	1.14E+00		4/11/2014 13:25	4101032	46DQ M3GEP1A0
J1THN4	SOIL	-1.77E-01	U	UG/G	1.92E+00	1.92E+00	1.20E-01	0.2488	G	9.86E-02		4/11/2014 13:28	4101032	46DQ M3GEP1A0
J1THN5	SOIL	2.38E+00	U	UG/G	1.74E+00	1.74E+00	5.60E-01	0.2488	G	4.63E-01		4/11/2014 13:29	4101032	46DQ M3GEP1A0
J1THN5	SOIL	6.02E+01		UG/G	4.00E-01	4.00E-01	2.70E-01	0.2498	G	2.26E-01		4/11/2014 13:29	4101032	46DQ M3GEP1A0
J1THN5	SOIL	2.53E-01		UG/G	2.60E-02	2.60E-02	1.50E-02	0.2498	G	1.24E-02		4/11/2014 13:29	4101032	46DQ M3GEP1A0
J1THN5	SOIL	7.44E+01	U	UG/G	2.00E-01	2.00E-01	1.40E-02	0.2498	G	1.13E-02		4/11/2014 13:29	4101032	46DQ M3GEP1A0
J1THN5	SOIL	5.12E+01	U	UG/G	8.01E-01	8.01E-01	9.20E-01	0.2498	G	7.54E-01		4/11/2014 13:29	4101032	46DQ M3GEP1A0
J1THN5	SOIL	3.24E+00	U	UG/G	8.61E-01	8.61E-01	6.40E-01	0.2498	G	5.27E-01		4/11/2014 13:29	4101032	46DQ M3GEP1A0
J1THN6	SOIL	-6.28E-02	U	UG/G	2.40E+00	2.40E+00	2.50E+00	0.2502	G	2.05E+00		4/11/2014 13:33	4101032	46DQ M3GEP1A0
J1THN6	SOIL	4.74E-01	U	UG/G	1.92E+00	1.92E+00	1.90E-01	0.2502	G	1.95E-01		4/11/2014 13:33	4101032	46DQ M3GEP1A0
J1THN6	SOIL	2.01E+00	U	UG/G	1.74E+00	1.74E+00	2.20E+00	0.2502	G	1.79E+00		4/11/2014 13:33	4101032	46DQ M3GEP1A0
J1THN6	SOIL	5.49E+01		UG/G	4.00E-01	4.00E-01	4.00E+00	0.2502	G	3.31E+00		4/11/2014 13:33	4101032	46DQ M3GEP1A0
J1THN6	SOIL	2.48E-01	U	UG/G	2.60E-02	2.60E-02	1.50E-02	0.2502	G	1.28E-02		4/11/2014 13:33	4101032	46DQ M3GEP1A0
J1THN6	SOIL	1.61E-01	U	UG/G	2.00E-01	2.00E-01	7.20E-02	0.2502	G	5.88E-02		4/11/2014 13:33	4101032	46DQ M3GEP1A0
J1THN6	SOIL	1.57E+01	U	UG/G	7.98E-01	7.98E-01	1.30E+00	0.2502	G	1.04E+00		4/11/2014 13:33	4101032	46DQ M3GEP1A0
J1THN6	SOIL	4.12E+00	U	UG/G	8.59E-01	8.59E-01	5.80E-01	0.2502	G	4.77E-01		4/11/2014 13:33	4101032	46DQ M3GEP1A0
J1THN6	SOIL	7.47E-01	U	UG/G	2.40E+00	2.40E+00	9.80E-01	0.2502	G	8.10E-01		4/11/2014 13:33	4101032	46DQ M3GEP1A0
INTRA-LAB BLANK	SOIL	-2.19E-02	U	MG/L	1.89E+00	1.89E+00	2.70E-01	0.2535	L	2.22E-01		4/11/2014 12:55	4101032	46DQ M3GVE1A0
INTRA-LAB BLANK	SOIL	1.48E-01	U	MG/L	1.72E+00	1.72E+00	1.70E+00	0.2535	L	1.41E+00		4/11/2014 12:55	4101032	46DQ M3GVE1A0
INTRA-LAB BLANK	SOIL	8.61E-03	U	MG/L	3.94E-01	3.94E-01	6.40E-03	0.2535	L	5.25E-03		4/11/2014 12:55	4101032	46DQ M3GVE1A0
INTRA-LAB BLANK	SOIL	8.47E-03	U	MG/L	2.56E-02	2.56E-02	1.10E-02	0.2535	L	9.40E-03		4/11/2014 12:55	4101032	46DQ M3GVE1A0
INTRA-LAB BLANK	SOIL	4.55E-02	U	MG/L	1.97E-01	1.97E-01	2.20E-02	0.2535	L	1.77E-02		4/11/2014 12:55	4101032	46DQ M3GVE1A0
INTRA-LAB BLANK	SOIL	6.02E-02	U	MG/L	7.89E-01	7.89E-01	8.10E-02	0.2535	L	6.88E-02		4/11/2014 12:55	4101032	46DQ M3GVE1A0
INTRA-LAB BLANK	SOIL	3.81E-01	U	MG/L	8.48E-01	8.48E-01	4.70E-01	0.2535	L	3.86E-01		4/11/2014 12:55	4101032	46DQ M3GVE1A0
INTRA-LAB BLANK	SOIL	1.35E-01	U	MG/L	2.37E+00	2.37E+00	1.60E+00	0.2535	L	1.30E+00	0.97	4/11/2014 12:58	4101032	46DQ M3GVE1A0
INTRA-LAB CHECK	SOIL	1.93E+00		MG/L	1.93E+00	1.93E+00	4.00E+00	0.2488	L	3.28E+00	0.97	4/11/2014 12:58	4101032	46DQ M3GVE1A0
INTRA-LAB CHECK	SOIL	1.96E-02		MG/L	1.75E+00	1.75E+00	3.30E-01	0.2488	L	2.75E-01	0.97	4/11/2014 12:58	4101032	46DQ M3GVE1A0
INTRA-LAB CHECK	SOIL	2.03E+02		MG/L	4.02E-01	4.02E-01	3.90E+00	0.2488	L	3.24E+00	1.01	4/11/2014 12:58	4101032	46DQ M3GVE1A0
INTRA-LAB CHECK	SOIL	1.90E+02		MG/L	2.61E-02	2.61E-02	3.40E+00	0.2486	L	2.82E+00	0.95	4/11/2014 12:58	4101032	46DQ M3GVE1A0
INTRA-LAB CHECK	SOIL	1.92E+02		MG/L	2.01E-01	2.01E-01	3.20E-01	0.2486	L	2.61E-01	0.95	4/11/2014 12:58	4101032	46DQ M3GVE1A0
INTRA-LAB CHECK	SOIL	1.94E+02		MG/L	8.05E-01	8.05E-01	3.80E+00	0.2486	L	3.09E+00	0.97	4/11/2014 12:58	4101032	46DQ M3GVE1A0
INTRA-LAB CHECK	SOIL	1.96E+02		MG/L	8.65E-01	8.65E-01	3.50E-01	0.2486	L	2.86E-01	0.98	4/11/2014 12:58	4101032	46DQ M3GVE1A0
INTRA-LAB CHECK	SOIL	1.86E+02		MG/L	2.41E+00	2.41E+00	1.80E+00	0.2486	L	1.48E+00	0.92	4/11/2014 12:58	4101032	46DQ M3GVE1A0
J1THN3 DUP	SOIL	-1.75E-01	U	UG/G	1.91E+00	1.91E+00	1.80E-01	0.2518	G	1.45E-01		4/11/2014 13:20	4101032	46DQ M3GEN1A0
J1THN3 DUP	SOIL	2.44E+00	U	UG/G	1.73E+00	1.73E+00	6.60E-01	0.2518	G	5.44E-01		4/11/2014 13:20	4101032	46DQ M3GEN1A0
J1THN3 DUP	SOIL	9.03E+01		UG/G	3.97E-01	3.97E-01	2.50E-01	0.2518	G	2.03E-01		4/11/2014 13:20	4101032	46DQ M3GEN1A0
J1THN3 DUP	SOIL	2.83E-01		UG/G	2.58E-02	2.58E-02	9.80E-03	0.2518	G	8.06E-03		4/11/2014 13:20	4101032	46DQ M3GEN1A0
J1THN3 DUP	SOIL	1.97E-01	U	UG/G	1.99E-01	1.99E-01	3.40E-02	0.2518	G	2.84E-02		4/11/2014 13:20	4101032	46DQ M3GEN1A0
J1THN3 DUP	SOIL	1.68E+01	U	UG/G	7.94E-01	7.94E-01	2.20E-01	0.2518	G	1.83E-01		4/11/2014 13:20	4101032	46DQ M3GEN1A0
J1THN3 DUP	SOIL	4.18E+00	U	UG/G	8.54E-01	8.54E-01	2.20E-01	0.2518	G	1.85E-01		4/11/2014 13:20	4101032	46DQ M3GEN1A0
J1THN3 DUP	SOIL	6.27E-01	U	UG/G	2.38E+00	2.38E+00	1.60E+00	0.2518	G	1.33E+00		4/11/2014 13:20	4101032	46DQ M3GEN1A0
J1THN3	SOIL	1.88E+02		% REC	1.92E+00	1.92E+00	6.90E-01	0.2497	L	5.65E-01	0.94	4/11/2014 13:11	4101032	46DQ M3GEN1A0
J1THN3	SOIL	1.94E+02		% REC	1.74E+00	1.74E+00	2.50E+00	0.2497	L	2.94E+00	0.95	4/11/2014 13:11	4101032	46DQ M3GEN1A0
J1THN3	SOIL	1.86E+02		% REC	4.00E-01	4.00E-01	3.60E+00	0.2497	L	2.96E+00	0.97	4/11/2014 13:11	4101032	46DQ M3GEN1A0
J1THN3	SOIL	1.87E+02		% REC	2.60E-02	2.60E-02	2.00E+00	0.2497	L	1.69E+00	0.93	4/11/2014 13:11	4101032	46DQ M3GEN1A0
J1THN3	SOIL	1.84E+02		% REC	2.00E-01	2.00E-01	5.90E-01	0.2497	L	4.86E-01	0.92	4/11/2014 13:11	4101032	46DQ M3GEN1A0
J1THN3	SOIL	1.83E+02		% REC	8.01E-01	8.01E-01	2.30E+00	0.2497	L	1.95E+00	0.92	4/11/2014 13:11	4101032	46DQ M3GEN1A0
J1THN3	SOIL	1.83E+02		% REC	8.61E-01	8.61E-01	3.50E-01	0.2497	L	2.91E-01	0.92	4/11/2014 13:11	4101032	46DQ M3GEN1A0
J1THN3	SOIL	1.77E+02		% REC	2.40E+00	2.40E+00	2.10E+00	0.2497	L	1.76E+00	0.88	4/11/2014 13:11	4101032	46DQ M3GEN1A0
J1THN3	SOIL	1.89E+02		% REC	1.93E+00	1.93E+00	4.20E-01	0.2465	L	3.46E-01	0.84	4/11/2014 13:16	4101032	46DQ M3GEN1A0
J1THN3	SOIL	1.90E+02		% REC	1.75E+00	1.75E+00	5.40E-01	0.2465	L	4.45E-01	0.94	4/11/2014 13:16	4101032	46DQ M3GEN1A0
J1THN3	SOIL	1.89E+02		% REC	4.02E-01	4.02E-01	9.70E-01	0.2485	L	4.55E+00	0.94	4/11/2014 13:16	4101032	46DQ M3GEN1A0
J1THN3	SOIL	2.62E+02		% REC	2.62E-02	2.62E-02	9.70E-01	0.2485	L	7.98E-01	0.92	4/11/2014 13:16	4101032	46DQ M3GEN1A0
J1THN3	SOIL	1.87E+02		% REC	2.01E-01	2.01E-01	9.90E-01	0.2485	L	8.16E-01	0.93	4/11/2014 13:16	4101032	46DQ M3GEN1A0

Client_id	Matrix	Result	Qualifier	Units	Reporting_Limits_S	Reporting_Limits	Uncertainty_Is	Analyzed_s	Decision	level_Lc	LCSReccAddde	Analysis_date_time	Batch_nbr	Test_MetLab_sample_id
J1THN3	SOIL	MSD 7440-47-3	1.82E+02	% REC	8.05E-01	8.05E-01	1.50E+00	0.2485 L		1.26E+00	0.91	4/11/2014 13:16	4101032 46DQ	M3GEN1A0
J1THN3	SOIL	MSD 7439-92-1	1.85E+02	% REC	8.65E-01	8.65E-01	2.00E+00	0.2485 L		1.61E+00	0.92	4/11/2014 13:16	4101032 46DQ	M3GEN1A0
J1THN3	SOIL	MSD 7782-49-2	1.77E+02	% REC	2.41E+00	2.41E+00	1.50E+00	0.2485 L		1.21E+00	0.88	4/11/2014 13:16	4101032 46DQ	M3GEN1A0

Clouseau Nonconformance Memo



NCM #: 10-26610	Classification: Anomaly
NCM Initiated By: Hooshang Rahavi	Status: PMREVIEW
Date Opened: 04/11/2014	Production Area: Classical Chemistry
Date Closed:	Tests: None
Nonconformance: Other (describe in detail)	Lot #'s (Sample #'s): J4D110407 (1),
Subcategory: Other (explanation required)	QC Batches: None.,

Problem Description / Root Cause

<u>Name</u>	<u>Date</u>	<u>Description</u>
Hooshang Rahavi	04/11/2014	Sample M3GEN (J1THN3) dup was outside the acceptable RPD criteria for Arsenic and Barium. Possibly due to the inhomogeneity of the sample.

Corrective Action

<u>Name</u>	<u>Date</u>	<u>Corrective Action</u>
Hooshang Rahavi	04/11/2014	Data submitted as is for client review.

Client Notification Summary

<u>Client</u>	<u>Project Manager</u>	<u>Notified</u>	<u>Response</u>	<u>How Notified</u>	<u>Note</u>
		<u>Response</u>	<u>Response Note</u>		

Quality Assurance Verification

<u>Verified By</u>	<u>Due Date</u>	<u>Status</u>	<u>Notes</u>
			This section not yet completed by QA.

Approval History

<u>Date Approved</u>	<u>Approved By</u>	<u>Position</u>
4/11/14		

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

Washington Closure Hanford	Telephone No. 375-4688	RC-074-657	Data Turnaround
Collector A. Weber	Company Contact Joan Kessner	Project Coordinator KESSNER, JH	Price Code
Project Designation 100-D/DR Field Remediation	Sampling Location 100-D-100(LDR04 scraped soil to reclassify as ACL)	SAF No. RC-074	Q.T.
Ice Chest No. N/A	Field Logbook No. EL-1607-24	COA OD10032600	Method of Shipment Local Delivery
Shipped To TestAmerica Richland	Offsite Property No. N/A	Bill of Lading/Air Bill No. N/A	

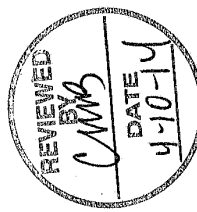
Sample No.	Matrix	Sample Date	Sample Time	Preservation	Type of Container	No. of Container(s)	Volume	Sample Analysis
J1TH3 MSFGR	SOIL	04/10/14	1235	None	GIP	1	60mL	See item (1) in Special Instructions
J1TH4 MSFGR	SOIL	04/10/14	1240					
J1TH5 MSFGR	SOIL	04/10/14	1245					
J1TH6 MSFGR	SOIL	04/10/14	1251					
POSSIBLE SAMPLE HAZARDS/REMARKS N/A								
Special Handling and/or Storage Cool 4C								


CHAIN OF POSSESSION

Relinquished By/Removed From <i>Hether Weber</i>	Date/Time 4-10-14 1255	Received By/Stored In <i>R. F. Sexton</i>	Date/Time 4-10-14 1255
Relinquished By/Removed From <i>R. F. Sexton</i>	Date/Time 4-10-14 1520	Received By/Stored In <i>SM Sexton</i>	Date/Time 4-10-14 1520
Relinquished By/Removed From <i>SM Sexton</i>	Date/Time 4-10-14 1645	Received By/Stored In <i>Back S. Ball</i>	Date/Time 4-10-14 1530

SPECIAL INSTRUCTIONS

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





4-10-14

4-10-14

4-10-14

J4D110407

J02136

One: 4/11/14

FINAL SAMPLE DISPOSITION

Disposed By _____ Date/Time _____

Sample Check-in List

Date/Time Received: 4-10-14 / 1615 Container GM Screen Result: (Airlock) 40 cpm Initials [B]
 Sample GM Screen Result (Sample Receiving) 60 cpm Initials [B]

Client: WCH SDG #: 302136 SAF #: RC-014 NA []

Lot Number: 540100935 J40110407 RC 4/11/14

Chain of Custody # RC-014-649; 657; 655

Shipping Container ID or Air Bill Number: hand down NA [BW]

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

- 1. Custody Seals on shipping container intact? Yes [] No [] No Custody Seal]
- 2. Custody Seals dated and signed? Yes [] No [] No Custody Seal]
- 3. Cooler temperature: 12.1 °C Ice NA []
- 4. Vermiculite/packing materials is NA] Wet [] Dry []

Item 5 through 16 for samples. Initial appropriate response.

- 5. Chain of Custody record present? Yes] No []
- 6. Number of samples received (Each sample may contain multiple bottles): 84
- 7. Containers received: 48 x 125 mlp RC 4/11/14

- 8. Sample holding times exceeded? NA [] Yes [] No]
- 9. Samples have: no tape no hazard labels custody seals appropriate sample labels
- 10. Matrix: A (FLT, Wipe, Solid, Soil) no I (Water) no S (Air, Niosh 7400) no T (Biological, Ni-63)

11. Samples: are in good condition no are leaking no are broken
no have air bubbles (Only for samples requiring no head space) no Other _____

- 12. Sample pH appropriate for analysis requested Yes [] No [] NA]
 (If acidification is necessary go to pH area & document sample ID, initial pH, amount of HNO₃ added and pH after addition on table)
- 13. Were any anomalies identified in sample receipt? Yes [] No]
- 14. Description of anomalies (include sample numbers): NA] _____

- 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.

Sample Check-in List completed by Sample Custodian:
 Signature: [Signature] Date: 4-10-14

Client Notification needed? Yes [] No] Date: _____
 By: _____
 Person contacted: _____

[] No action necessary, process as is
 Project Manager [Signature] Date 4/11/14