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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

0098472

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

F10-196

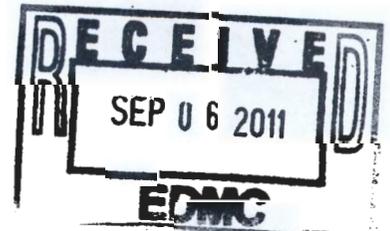
Lot #: F1B070463

SDG #: SL1042

Mike Neely

CH2M Hill Plateau Remediation
PO Box 1500, MS B6-06
Richland, WA 99352

TESTAMERICA LABORATORIES, INC.



Michael C. Franks
Project Manager

March 7, 2011

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CASE NARRATIVE

CH2MHill Plateau Remediation Company
 P.O. Box 1600
 MS B3-60
 Richland, Washington 99352
 March 7, 2011
 Attention: Mike Neely

TestAmerica Laboratories, Inc.

SDG	: SL1042
Number of Samples	: four samples
Sample Matrix	: Solid
Data Deliverable	: Summary
Date SDG Closed	: February 7, 2011

II. Introduction

On February 7, 2011, four solid samples were received by TestAmerica - St. Louis for chemical analysis. The samples were received within temperature criteria. See the COC and CUR forms for documentation of any variations on receipt conditions and temperature. Upon receipt, the samples were given laboratory Ids to correspond with specific client Ids. Please refer to the Sample Summary sheets attached to this case narrative. This report is incomplete without the narrative.

The following SAFs are associated with this SDG: F10-196

III. Analytical Results/ Methodology

The analytical results for this report are presented by analytical test. Each set of data includes sample identification information, analytical results and the appropriate detection limits. All results are based upon samples as they were received, i.e. wet weight, unless otherwise noted on the data sheets. See the attached Methods Summary Form for the methods used in this SDG.

MS/MSD/Dup analysis was done per the client requirements. Analytical batches that did not contain matrix QC were analyzed with a LCS/LCS duplicate.

Deviation from Request: None

IV. Definitions

QCBLK-	Quality Control Blank, Method Blank
QCLCS-	Quality Control Laboratory Control Sample, Blank Spike
DUP-	Laboratory Duplicate
MS-	Matrix Spike
MSD-	Matrix Spike Duplicate

The term "Detection Limit" used in the analytical data report refers to either the lab's standard reporting limits or contractually required reporting limits, whichever is applicable.

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THE LEADER IN ENVIRONMENTAL TESTING

CH2M Hill Plateau Remediation Company

TestAmerica Laboratories, Inc.

March 7, 2011

SDG: SL1042

The following data qualifiers may be applicable to the results in this report, as appropriate.

- **B** – For inorganic analyses, the sample result is greater than the MDL but less than the RL.
- **B** – For organic analyses, Method Blank contamination. The Method Blank contains the target analyte at a concentration above the MDL.
- **J** – For organic analyses, the sample is estimated and less than the RL.
- **C** – For inorganic analyses, Method Blank contamination. The Method Blank contains the target analyte at a concentration above the MDL.
- **D** – For all analyses, the sample result was obtained from the analysis of a dilution.
- **N** – For inorganics and GC analyses, the spike/spike duplicate recoveries are outside QC limits.
- **T** – For GCMS analyses, the spike/spike duplicate recoveries are outside QC limits.

Total Carbon

Batch: 1024353

Total Carbon was observed in the method blank at a concentration above the MDL but below the RL. The samples are qualified accordingly with a "C" flag.

Affected Samples:

F1B070463 (1): B2B911
 F1B070463 (2): B2B912
 F1B070463 (3): B2B913
 F1B070463 (4): B2B914

The MS recovery is outside the established QC limits. Matrix interference is physically evident in the sample due to the irregular peaks observed during combustion. Sample analysis of the TOC MS revealed no such irregularities. Method performance is demonstrated by acceptable CCV recoveries.

Affected Samples:

F1B070463 (1): B2B911
 F1B070463 (2): B2B912
 F1B070463 (3): B2B913
 F1B070463 (4): B2B914

The Total Carbon LCS value was not reported since no certification exists for Total Carbon from the vendor. We are currently attempting to obtain a certified reference material for both Total Carbon and Total Inorganic Carbon.

Affected Samples:

F1B070463 (1): B2B911
 F1B070463 (2): B2B912
 F1B070463 (3): B2B913
 F1B070463 (4): B2B914

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TestAmerica Laboratories, Inc.

March 7, 2011

SDG: SL1042

Total Inorganic Carbon**Batch: 1049221**

No LCS or MS was reported for TIC Batch #1049221. As TIC values are calculated results, an LCS was performed for the TOC portion of the analyzed samples which yielded a recovery of 80.9%, which is acceptable by the certification provided with the standard. The MS recovery of the TOC analysis was within QC requirements.

Affected Samples:

F1B070463 (1): B2B911

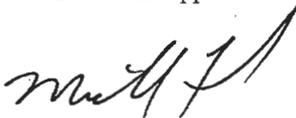
F1B070463 (2): B2B912

F1B070463 (3): B2B913

F1B070463 (4): B2B914

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

Reviewed and approved:



Michael Franks
St. Louis Project Manager

METHODS SUMMARY

F1B070463

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
Total Carbon	SW846 9060	
Total Inorganic Carbon	SW846 9060	

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

F1B070463

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
MD5KJ	001	B2B911	01/28/11	10:04
MD5KK	002	B2B912	02/01/11	10:08
MD5KL	003	B2B913	02/03/11	08:38
MD5KM	004	B2B914	02/01/11	14:55

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

SDG# SL1042

COLLECTOR <i>Rosane Higgins</i>		COMPANY CONTACT RADLOFF, AW	TELEPHONE NO. 376-4554	PROJECT COORDINATOR RADLOFF, AW	PRICE CODE 8N	DATA TURNAROUND
SAMPLING LOCATION C7662 (399-4-15); I-013		PROJECT DESIGNATION 300 Area Remedial Investigation/Feasibility Analysis - 300-FF-5 Soils		SAF NO. F10-196	45 Days / 45 Days	
ICE CHEST NO. <i>6WS-139-08</i>		FIELD LOGBOOK NO. <i>WNF-N-503-2 pg 93</i>	ACTUAL SAMPLE DEPTH <i>47.8 - 50.3</i>	COA 300206ES10	METHOD OF SHIPMENT FEDERAL EXPRESS	
SHIPPED TO TestAmerica St. Louis		OFFSITE PROPERTY NO. SEE PTR	BILL OF LADING/AIR BILL NO. <i>7943929 26496</i>			

MATRIX* A=Air DL=Drum L=Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS Contains Radioactive Material at concentrations that may or may not be regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 5400.5 (1990/1993)	PRESERVATION	Cool~4C	
		HOLDING TIME	28 Days	
		TYPE OF CONTAINER	aG	
		NO. OF CONTAINER(S)	1	
		VOLUME	120mL	
SPECIAL HANDLING AND/OR STORAGE		SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	
SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B2B911	SOIL	<i>1-28-11</i>	<i>1004</i>	✓

CHAIN OF POSSESSION	SIGN/ PRINT NAMES
RELINQUISHED BY/REMOVED FROM <i>Larry Rosemary Tony Rosemary</i>	RECEIVED BY/STORED IN <i>SSW-R-1</i>
DATE/TIME <i>1-28-11 / 1425</i>	DATE/TIME <i>1-28-11 / 1425</i>
RELINQUISHED BY/REMOVED FROM <i>MO-413 SSU-R1</i>	RECEIVED BY/STORED IN <i>M.A. White</i>
DATE/TIME <i>FEB 04 2011 0845</i>	DATE/TIME <i>FEB 04 2011 0845</i>
RELINQUISHED BY/REMOVED FROM <i>M.A. White</i>	RECEIVED BY/STORED IN FEDEX
DATE/TIME <i>FEB 04 2011 1400</i>	DATE/TIME
RELINQUISHED BY/REMOVED FROM <i>Fed Ex</i>	RECEIVED BY/STORED IN <i>Swilson</i>
DATE/TIME	DATE/TIME <i>2-7-11 1650</i>
RELINQUISHED BY/REMOVED FROM	RECEIVED BY/STORED IN
DATE/TIME	DATE/TIME
RELINQUISHED BY/REMOVED FROM	RECEIVED BY/STORED IN
DATE/TIME	DATE/TIME

SPECIAL INSTRUCTIONS
 ** The 300 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
 (1) TC - 415.1 {Total carbon}; TIC - 415.1M {Total Inorganic Carbon};

ORIGINAL

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

TestAmerica St. Louis

SDG# SL1042

CH2M Hill Plateau Remediation Company *SL1042*

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

COLLECTOR <i>Rosane Higuera</i>		COMPANY CONTACT RADLOFF, AW	TELEPHONE NO. 376-4554	PROJECT COORDINATOR RADLOFF, AW	PRICE CODE 8N	DATA TURNAROUND
SAMPLING LOCATION C7662 (399-4-15); I-019		PROJECT DESIGNATION 300 Area Remedial Investigation/Feasibility Analysis - 300-FF-5 Soils		SAF NO. F10-196	AIR QUALITY <input type="checkbox"/>	45 Days / 45 Days
ICE CHEST NO. <i>QWS-139-08</i>		FIELD LOGBOOK NO. <i>HWF-N-503-2 pg 94</i>	ACTUAL SAMPLE DEPTH <i>71.5 - 73.0</i>	COA 300206ES10	METHOD OF SHIPMENT FEDERAL EXPRESS	
SHIPPED TO TestAmerica St. Louis		OFFSITE PROPERTY NO. SEE PTR		BILL OF LADING/AIR BILL NO. SEE PTR <i>7943929 26496</i>		

MATRIX* A=Air DL=Drum L=Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS Contains Radioactive Material at concentrations that may or may not be regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 5400.5 (1990/1993)	PRESERVATION Cool~4C		
		HOLDING TIME 28 Days		
		TYPE OF CONTAINER aG		
		NO. OF CONTAINER(S) 1		
		VOLUME 120mL		
SPECIAL HANDLING AND/OR STORAGE		SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS		
SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B2B912	SOIL	<i>2-1-11</i>	<i>1008</i>	✓

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	** The 300 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF. (1) TC - 415.1 {Total carbon}; TIC - 415.1M {Total Inorganic Carbon};
<i>Larry Rosane</i>	<i>2-1-11 / 1400</i>	<i>Mawbata Mawbata</i>	<i>2-1-11 1400</i>	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
<i>Mawbata Mawbata</i>	<i>2-1-11 1530</i>	<i>SSU-RI</i>	<i>2-1-11 1530</i>	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
<i>MO-413 SSU-RI</i>	<i>FEB 04 2011 0845</i>	<i>M.A. White</i>	<i>FEB 04 2011 0845</i>	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
<i>M.A. White</i>	<i>FEB 04 2011 1400</i>	FEDEX		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
<i>FEDEX</i>		<i>Swilson</i>	<i>2-7-11 1050</i>	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	

 ORIGINAL

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

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TestAmerica St. Louis

IDG# SL1042

COLLECTOR <i>Rosanne Rost Higuna</i>		COMPANY CONTACT RADLOFF, AW	TELEPHONE NO. 376-4554	PROJECT COORDINATOR RADLOFF, AW	PRICE CODE 8N	DATA TURNAROUND 45 Days / 45 Days
SAMPLING LOCATION C7662 (399-4-15); I-022		PROJECT DESIGNATION 300 Area Remedial Investigation/Feasibility Analysis - 300-FF-5 Soils		SAF NO. F10-196	AIR QUALITY <input type="checkbox"/>	
ICE CHEST NO. <i>CWS-139-08</i>		FIELD LOGBOOK NO. <i>HNF-N-503-2 pg 96</i>	ACTUAL SAMPLE DEPTH <i>102.4 - 104.9</i>	COA 300206ES10	METHOD OF SHIPMENT FEDERAL EXPRESS	
SHIPPED TO TestAmerica St. Louis		OFFSITE PROPERTY NO. SEE PTR		BILL OF LADING/AIR BILL NO. SEE PTR <i>7943929 26496</i>		

MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS Contains Radioactive Material at concentrations that may or may not be regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 5400.5 (1990/1993)	PRESERVATION	Cool~4C	
		HOLDING TIME	28 Days	
		TYPE OF CONTAINER	aG	
		NO. OF CONTAINER(S)	1	
		VOLUME	120mL	
	SPECIAL HANDLING AND/OR STORAGE	SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	
SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B2B913	SOIL	<i>2-3-11</i>	<i>0838</i>	✓

CHAIN OF POSSESSION	SIGN/ PRINT NAMES	SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM <i>Larry Rost</i>	DATE/TIME <i>2-3-11 1450</i>	RECEIVED BY/STORED IN <i>M.A. White</i>
RELINQUISHED BY/REMOVED FROM <i>M.A. White</i>	DATE/TIME <i>2-3-11 1545</i>	RECEIVED BY/STORED IN <i>SSU-R1</i>
RELINQUISHED BY/REMOVED FROM <i>MO-413 SSU-RT</i>	DATE/TIME <i>FEB 04 2011 0845</i>	RECEIVED BY/STORED IN <i>M.A. White</i>
RELINQUISHED BY/REMOVED FROM <i>M.A. White</i>	DATE/TIME <i>FEB 04 2011 1400</i>	RECEIVED BY/STORED IN <i>FEDEX</i>
RELINQUISHED BY/REMOVED FROM <i>FedEx</i>	DATE/TIME <i>2-7-11 1058</i>	RECEIVED BY/STORED IN <i>Swilson</i>
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN

ORIGINAL

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

TestAmerica St. Louis

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DGG# SL1042

CH2MHill Plateau Remediation Company *SL1042*

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F10-196-199

PAGE 1 OF 1

COLLECTOR <i>Rosanne Higueras</i>		COMPANY CONTACT RADLOFF, AW	TELEPHONE NO. 376-4554	PROJECT COORDINATOR RADLOFF, AW	PRICE CODE 8N	DATA TURNAROUND 45 Days / 45 Days
SAMPLING LOCATION C7662 (399-4-15); I-023		PROJECT DESIGNATION 300 Area Remedial Investigation/Feasibility Analysis - 300-FF-5 Soils		SAF NO. F10-196	AIR QUALITY <input type="checkbox"/>	
ICE CHEST NO. <i>GLS-139-08</i>		FIELD LOGBOOK NO. <i>HWF-N-503-2 pg 94</i>	ACTUAL SAMPLE DEPTH <i>86.5 - 89.0</i>	COA 300206E510	METHOD OF SHIPMENT FEDERAL EXPRESS	
SHIPPED TO TestAmerica St. Louis		OFFSITE PROPERTY NO. SEE PTR		BILL OF LADING/AIR BILL NO. SEE PTR <i>794392926496</i>		

MATRIX* A=Air DL=Drum L=Liquid DS=Drum S=Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS Contains Radioactive Material at concentrations that may or may not be regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 5400.5 (1990/1993)	PRESERVATION	Cool=4C	
		HOLDING TIME	28 Days	
		TYPE OF CONTAINER	aG	
		NO. OF CONTAINER(S)	1	
		VOLUME	120mL	
	SPECIAL HANDLING AND/OR STORAGE	SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	
SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B2B914	SOIL	<i>2-1-11</i>	<i>1455</i>	✓

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS ** The 300 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF. (1) TC - 415.1 {Total carbon}; TIC - 415.1M {Total Inorganic Carbon};
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
<i>Larry Rosanne - Tony Rosanne</i>	<i>2-1-11/ 1600</i>	<i>MO-744 SSU-R3</i>	<i>2-1-11/ 1600</i>	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
<i>MO 744 SSU-R3</i>	<i>2-2-11 1450</i>	<i>Thomas Wallace Smith</i>	<i>2-2-11 1450</i>	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
<i>Thomas Wallace Smith</i>	<i>2-2-11 1530</i>	<i>SSU-R1</i>	<i>2-2-11 1530</i>	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
<i>MO-413 SSU-R1</i>	<i>FEB 04 2011 0845</i>	<i>M. A. White</i>	<i>FEB 04 2011 0845</i>	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
<i>M. A. White</i>	<i>FEB 04 2011 1400</i>	FEDEX		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
<i>Fed Ex</i>		<i>Swilson</i>	<i>2-7-11 1050</i>	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	

ORIGINAL

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

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TestAmerica St. Louis

Print page | Close



Detailed Results

Tracking no.: 794392926496		Select time format: 12H
Delivered		Delivered Signed for by: S.WILSON
Shipment Dates	Destination	
Ship date Feb 4, 2011	EARTH CITY, MO	
Delivery date Feb 7, 2011 9:42 AM	Signature Proof of Delivery	

Shipment Options

Hold at FedEx Location
Hold at FedEx Location service is not available for this shipment.

Shipment Facts

Service type	Priority Overnight	Delivered to	Shipping/Receiving
Weight	14.0 lbs/6.4 kg	Reference	3D230/ 302510/ ES10 PTR2192

Shipment Travel History

Select time zone: Local Scan Time

All shipment travel activity is displayed in local time for the location

Date/Time	Activity	Location	Details
Feb 7, 2011 9:42 AM	Delivered	EARTH CITY, MO	
Feb 7, 2011 5:56 AM	At local FedEx facility	EARTH CITY, MO	
Feb 5, 2011 9:11 AM	At local FedEx facility	BERKELEY, MO	
Feb 5, 2011 6:54 AM	At dest sort facility	BERKELEY, MO	
Feb 5, 2011 6:04 AM	Departed FedEx location	MEMPHIS, TN	
Feb 5, 2011 12:44 AM	Arrived at FedEx location	MEMPHIS, TN	
Feb 4, 2011 5:14 PM	Left FedEx origin facility	PASCO, WA	
Feb 4, 2011 2:10 PM	Picked up	PASCO, WA	
Feb 4, 2011 3:04 PM	Shipment information sent to FedEx		

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s):

F1B070463
465

CONDITION UPON RECEIPT FORM

Client: CHPRC

Quote No: 86817, 87094

COC/RFA No: below

Initiated By: SV

Date: 2.7.11

Time: 1050

Shipping Information

Shipper: FedEx UPS DHL Courier Client Other: _____ Multiple Packages: Y N

Shipping # (s):*

Sample Temperature (s):**

1. <u>1943 9292 6494</u>	6. _____	1. <u>4</u>	6. _____
2. _____	7. _____	2. _____	7. _____
3. _____	8. _____	3. _____	8. _____
4. _____	9. _____	4. _____	9. _____
5. _____	10. _____	5. _____	10. _____

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1. <input checked="" type="radio"/> Y <input type="radio"/> N	Are there custody seals present on the cooler?	8. <input checked="" type="radio"/> Y <input type="radio"/> N	Are there custody seals present on bottles?
2. Y <input checked="" type="radio"/> N <input type="radio"/> N/A	Do custody seals on cooler appear to be tampered with?	9. Y <input checked="" type="radio"/> N <input type="radio"/> N/A	Do custody seals on bottles appear to be tampered with?
3. <input checked="" type="radio"/> Y <input type="radio"/> N	Were contents of cooler frisked after opening, but before unpacking?	10. Y <input type="radio"/> N <input checked="" type="radio"/> N/A	Was sample received with proper pH? (If not, make note below)
4. <input checked="" type="radio"/> Y <input type="radio"/> N	Sample received with Chain of Custody?	11. <input checked="" type="radio"/> Y <input type="radio"/> N	Sample received in proper containers?
5. <input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/> N/A	Does the Chain of Custody match sample ID's on the container(s)?	12. Y <input checked="" type="radio"/> N <input type="radio"/> N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)
6. Y <input checked="" type="radio"/> N <input type="radio"/> N/A	Was sample received broken?	13. Y <input type="radio"/> N <input checked="" type="radio"/> N/A	Was Internal COC/Workshare received?
7. <input checked="" type="radio"/> Y <input type="radio"/> N	Is sample volume sufficient for analysis?	14. Y <input type="radio"/> N <input checked="" type="radio"/> N/A	Was pH taken by original TestAmerica lab?

For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes:

F10-196-187, 91, 95, 99
RC-164-825

Corrective Action:

Client Contact Name: _____ Informed by: _____

Sample(s) processed "as is"

Sample(s) on hold until: _____

Project Management Review: Jayna Anwalt

If released, notify: _____

Date: 2/14/11

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

ADMIN-0004, REVISED 10/21/08 \SISvr01\QA\FORMS\SST-LOUIS\ADMIN\Admin004 rev11.doc

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2B911

General Chemistry

Lot-Sample #...: F1B070463-001 Work Order #...: MD5KJ Matrix.....: SOLID
 Date Sampled...: 01/28/11 Date Received...: 02/07/11
 % Moisture.....:

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Carbon	81.9 B,C,N	100	mg/kg	SW846 9060	02/17-02/22/11	1049220
			Dilution Factor: 1	MDL.....: 33.4		
Total Inorganic Carbon	81.9 B	100	mg/kg	SW846 9060	02/17-02/22/11	1049221
			Dilution Factor: 1	MDL.....: 33.4		

NOTE(S):

- RL Reporting Limit
- B Estimated result. Result is less than RL.
- C Analyte detected in method blank above the MDL/IDL.
- N Spiked analyte recovery is outside stated control limits.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2B912

General Chemistry

Lot-Sample #...: F1B070463-002 Work Order #...: MD5KK Matrix.....: SOLID
 Date Sampled...: 02/01/11 Date Received...: 02/07/11
 % Moisture.....:

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Carbon	67.1 B,C,N	100	mg/kg	SW846 9060	02/17-02/22/11	1049220
			Dilution Factor: 1	MDL.....: 33.4		
Total Inorganic Carbon	ND	100	mg/kg	SW846 9060	02/17-02/22/11	1049221
			Dilution Factor: 1	MDL.....: 33.4		

NOTE(S) :

- RL Reporting Limit
- B Estimated result. Result is less than RL.
- C Analyte detected in method blank above the MDL/IDL.
- N Spiked analyte recovery is outside stated control limits.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2B913

General Chemistry

Lot-Sample #...: F1B070463-003 Work Order #...: MD5KL Matrix.....: SOLID
 Date Sampled...: 02/03/11 Date Received...: 02/07/11
 % Moisture.....:

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Carbon	1550 N	100	mg/kg	SW846 9060	02/17-02/22/11	1049220
			Dilution Factor: 1	MDL.....: 33.4		
Total Inorganic Carbon	1140	100	mg/kg	SW846 9060	02/17-02/22/11	1049221
			Dilution Factor: 1	MDL.....: 33.4		

NOTE(S):

RL Reporting Limit

N Spiked analyte recovery is outside stated control limits.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2B914

General Chemistry

Lot-Sample #...: F1B070463-004 Work Order #...: MD5KM Matrix.....: SOLID
 Date Sampled...: 02/01/11 Date Received...: 02/07/11
 % Moisture.....:

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Carbon	2510 N	100	mg/kg	SW846 9060	02/17-02/22/11	1049220
			Dilution Factor: 1	MDL.....: 33.4		
Total Inorganic Carbon	1260	100	mg/kg	SW846 9060	02/17-02/22/11	1049221
			Dilution Factor: 1	MDL.....: 33.4		

NOTE(S) :

RL Reporting Limit

N Spiked analyte recovery is outside stated control limits.

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: F1B070463

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	PREP
		LIMIT	UNITS		ANALYSIS DATE	BATCH #
Total Carbon	83.0 B	100	mg/kg	SW846 9060	F1B180000-220	1049220
		Dilution Factor: 1				

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 B Estimated result. Result is less than RL.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: F1B070463

Matrix.....: SOLID

Date Sampled...: 02/01/11

Date Received...: 02/07/11

Percent Moisture: 9.1

PARAMETER	SAMPLE SPIKE		MEASURED		PERCENT		PREPARATION- PREP	
	AMOUNT	AMT	AMOUNT	UNITS	RECOVERY	METHOD	ANALYSIS DATE	BATCH #
Total Carbon	2510	1000	4140 N	mg/kg	164	SW846 9060	02/17-02/22/11	1049220
			Work Order #...: MD5KM1AF		MS Lot-Sample #: F1B070463-004			
			Dilution Factor: 1					

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

