

FIELD SCREENING FINAL DATA DELIVERABLE COVER SHEET

Date: Tuesday, April 01, 2008

Sample Authorization Form (SAF) Number: F02-010

SDG Number (assigned by Sample Management): FPO529 Dlyes

Attachments (check all that apply or N/A):

<u>X</u>	Test Results
<u>N/A</u>	Narrative Summary
<u>X</u>	Chain of Custody(s)
<u>X</u>	Logbook Pages
<u>N/A</u>	Anomaly Report

5/14/08

Total number of pages (including cover sheet): 4

Comments:

200-PW-1 Rebound and Passive Soil Gas Monitoring



 Analyst Signature



 Reviewer's Signature

APR 01 2008

Date
APR 01 2008

Date

Distribution: CPP Sample Management A0-21
Project (Specify)

Requires distribution to listed project personnel by Sample Management (check if applicable)

RECEIVED
APR 22 2008

EDMC

00000001

October 2007 to March 2008 Soil Gas Monitoring Data Collection Form (SAF F02-010)

DATE: 03-31-2008 --- Partial **Monitoring for March 2008** SAMPLERS NAME(S): D. Parchen
 B&K SERIAL NUMBER: 1715232 AMBIENT PRESSURE: 0.01 in. w.c. at 0750 (time) ANALYZERS NAME(S): J. Mehrer

STANDARD CONCENTRATION of 25.37 ppmv CCl4 analyzed as 22.0 ppmv at 0904 (time).

STANDARD CONCENTRATION of 25.37 ppmv CCl4 analyzed as 22.5 ppmv at 0935 (time).

Well Location (I - inside barrier, O - outside barrier)	HEIS NUMBERS	Location (Well or Probe) / feet bgs	Zone	Color Code	Differential Pressure (inches w.c.)	Sampling Time	Analysis Time	Carbon Tetrachloride (ppmv)		Chloroform (ppmv)	MEK (ppmv)	Methylene Chloride (ppmv)	Water Vapor (ppmv)
								"A"	"B"				
I	B1TV82	CPT-9A / 60 ft	2	blue	---	---	---	---	---	---	---	---	---
I	B1TV83	CPT-9A / 50 ft	2	black	---	---	---	---	---	---	---	---	---
I	B1TV84	CPT-9A / 64 ft	2	green	---	---	---	---	---	---	---	---	---
I	B1TV85	CPT-7A / 32 ft	2	yellow	---	---	---	---	---	---	---	---	---
i	B1TV86	C3872 / 62.5 ft	2	---	---	---	---	---	---	---	---	---	---
I	B1TV87	W18-248 / 131 ft	3	---	---	---	---	---	---	---	---	---	---
I	B1TV88	W18-165 / 109 ft (1)	2	---	-0.74	0805	0906	223	---	1.00	1.20	9.74	6,700
I	B1TV89	W18-167 / 106 ft (1)	3	---	-0.71	0815	0908	182	---	<1.0	<1.0	6.70	7,450
I	B1TV90	CPT-32 / 25 ft	2	green	---	---	---	---	---	---	---	---	---
I	B1TV91	CPT-30 / 48 ft	2	blue	---	---	---	---	---	---	---	---	---
I	B1TV92	CPT-1A / 35 ft	2	black	---	---	---	---	---	---	---	---	---
I	B1TV93	W18-152 / 101 ft	2	---	---	---	---	---	---	---	---	---	---
O	B1TV94	CPT-16 / 25 ft	2	blue	---	---	---	---	---	---	---	---	---
O	B1TV95	299-W15-95L / 144 ft	2,3	---	---	---	---	---	---	---	---	---	---
O	B1TV96	299-W15-9L / 176 ft	6	---	---	---	---	---	---	---	---	---	---
O	B1TV97	299-W15-82 / 83 ft	2	---	---	---	---	---	---	---	---	---	---
O	B1TV98	CPT-27 / 33 ft	2	red	---	---	---	---	---	---	---	---	---
O	B1TV99	299-W15-46 / 217 ft	?	---	---	---	---	---	---	---	---	---	---
O	B1TVB0	C4938 (P69C) / 64.0 ft	?	---	---	---	---	---	---	---	---	---	---
O	B1TVB1	C4937 (P66D) / 64.1 ft	?	---	---	---	---	---	---	---	---	---	---
O	B1TVB2	C5340 (P68C) / 64.5 ft	?	---	---	---	---	---	---	---	---	---	---
O	B1TVB3	299-W15-8U / 103 ft	?	---	---	---	---	---	---	---	---	---	---
O	B1TVB4	299-W15-217 / 114 ft	3	---	---	---	---	---	---	---	---	---	---
O	B1TVB5	CPT-18 / 35 ft	2	blue	---	---	---	---	---	---	---	---	---
O	B1TVB6	CPT-17 / 10 ft	2	blue	---	---	---	---	---	---	---	---	---
O	B1TVB7	CPT-21A / 65 ft	2	green	---	---	---	---	---	---	---	---	---
O	B1TVB8	CPT-21A / 86 ft	2	red	---	---	---	---	---	---	---	---	---
O	B1TVB9	CPT-28 / 87 ft	2	red	---	---	---	---	---	---	---	---	---
O	B1TVC0	CPT-13A / 30 ft	2	blue	---	---	---	---	---	---	---	---	---
O	B1TVC1	W18-249 / 130 ft	3	---	---	---	---	---	---	---	---	---	---
I	B1TVC2	DUPLICATE SAMPLE ANALYSIS CPT-9A / 50 ft (1)	2	black	---	---	---	---	---	---	---	---	---
---	B1TVC3	BLANK	---	---	---	---	0900	---	<1.0	<1.0	<1.0	<1.0	4,330
---	B1TVC4	BLANK	---	---	---	---	0937	---	<1.0	<1.0	<1.0	<1.0	4,170
---	---	200 ppmv CCl4 Standard	---	---	---	---	0928	196	---	---	---	---	---

Comments: (1) Only two wells measured today - 299-W18-165 and 299-W18-167. Need data prior to start up of SVE on 4-1-08. Tubing removed from wells at completion of sampling.

Note: Weather 36 to 41° F, with mild winds (8 decreasing to 4 mph, changing from SSW to WSW during sampling), skies sunny with few scattered clouds throughout sampling.

00000002

200-EP-2 Rebound Study

M. A. Baechler / G. M. G. Baechler 51

October 2007 to March 2008 Soil Gas Monitoring Data Collection Form (SAF F02-010)

DATE: 03-31-2008 — Partial Monitoring for March 2008
 B&K SERIAL NUMBER: 1715232 AMBIENT PRESSURE: 0.01 in. w.c. at 0750 (time)
 SAMPLERS NAME(S): D. Parchen
 ANALYZERS NAME(S): J. Mehrer

STANDARD CONCENTRATION OF 25.37 ppmv CCl4 analyzed as 22.0 ppmv at 0904 (time).

STANDARD CONCENTRATION OF 25.37 ppmv CCl4 analyzed as 22.5 ppmv at 0935 (time).

Well Location (I - inside barrier, O - outside barrier)	HEIS NUMBERS	Location: (Well or Probe) / feet bgs	Zone	Color Code	Differential Pressure (inches w.c.)	Sampling Time	Analysis Time	Carbon Tetrachloride (ppmv)		Chloroform (ppmv)	MEK (ppmv)	Methylene Chloride (ppmv)	Water Vapor (ppmv)
								"A"	"B"				
I	B1TV82	CPT-9A / 60 ft	2	blue	---	---	---	---	---	---	---	---	---
I	B1TV83	CPT-9A / 50 ft	2	black	---	---	---	---	---	---	---	---	---
I	B1TV84	CPT-9A / 64 ft	2	green	---	---	---	---	---	---	---	---	---
I	B1TV85	CPT-7A / 32 ft	2	yellow	---	---	---	---	---	---	---	---	---
I	B1TV86	C3872 / 62.5 ft	2	---	---	---	---	---	---	---	---	---	---
I	B1TV87	W18-248 / 131 ft	3	---	---	---	---	---	---	---	---	---	---
I	B1TV88	W18-165 / 109 ft (1)	2	---	-0.74	0805	0908	223	---	1.00	1.20	9.74	6,700
I	B1TV89	W18-167 / 106 ft (1)	3	---	-0.71	0815	0908	182	---	<1.0	<1.0	6.70	7,450
I	B1TV90	CPT-32 / 25 ft	2	green	---	---	---	---	---	---	---	---	---
I	B1TV91	CPT-30 / 48 ft	2	blue	---	---	---	---	---	---	---	---	---
I	B1TV92	CPT-1A / 35 ft	2	black	---	---	---	---	---	---	---	---	---
I	B1TV93	W18-152 / 101 ft	2	---	---	---	---	---	---	---	---	---	---
O	B1TV94	CPT-16 / 25 ft	2	blue	---	---	---	---	---	---	---	---	---
O	B1TV95	299-W15-95L / 144 ft	2,3	---	---	---	---	---	---	---	---	---	---
O	B1TV96	299-W15-9L / 176 ft	6	---	---	---	---	---	---	---	---	---	---
O	B1TV97	299-W15-82 / 83 ft	2	---	---	---	---	---	---	---	---	---	---
O	B1TV98	CPT-27 / 33 ft	2	red	---	---	---	---	---	---	---	---	---
O	B1TV99	299-W15-46 / 217 ft	?	---	---	---	---	---	---	---	---	---	---
O	B1TVB0	C4938 (P69C) / 64.0 ft	?	---	---	---	---	---	---	---	---	---	---
O	B1TVB1	C4937 (P68D) / 64.1 ft	?	---	---	---	---	---	---	---	---	---	---
O	B1TVB2	C5340 (P68C) / 64.5 ft	?	---	---	---	---	---	---	---	---	---	---
O	B1TVB3	299-W15-8U / 103 ft	?	---	---	---	---	---	---	---	---	---	---
O	B1TVB4	299-W15-217 / 114 ft	3	---	---	---	---	---	---	---	---	---	---
O	B1TVB5	CPT-18 / 35 ft	2	blue	---	---	---	---	---	---	---	---	---
O	B1TVB6	CPT-17 / 10 ft	2	blue	---	---	---	---	---	---	---	---	---
O	B1TVB7	CPT-21A / 65 ft	2	green	---	---	---	---	---	---	---	---	---
O	B1TVB8	CPT-21A / 88 ft	2	red	---	---	---	---	---	---	---	---	---
O	B1TVB9	CPT-28 / 87 ft	2	red	---	---	---	---	---	---	---	---	---
O	B1TVC0	CPT-13A / 30 ft	2	blue	---	---	---	---	---	---	---	---	---
O	B1TVC1	W18-249 / 130 ft	3	---	---	---	---	---	---	---	---	---	---
I	B1TVC2	DUPLICATE SAMPLE ANALYSIS CPT-9A / 50 ft (1)	2	black	---	---	---	---	---	---	---	---	---
---	B1TVC3	BLANK	---	---	---	---	0900	---	<1.0	<1.0	<1.0	<1.0	4,330
---	B1TVC4	BLANK	---	---	---	---	0937	---	<1.0	<1.0	<1.0	<1.0	4,170
---	---	200 ppmv CCl4 Standard	---	---	---	---	0828	198	---	---	---	---	---

Comments: (1) Only two wells measured today - 299-W18-165 and 299-W18-167. Need data prior to start up of SVE on 4-1-08. Tubing removed from wells at completion of sampling.

Note: Weather 36 to 41° F, with mild winds (8 decreasing to 4 mph, changing from SSW to WSW during sampling), skies sunny with few scattered clouds throughout sampling.

M.A. Baechler 4/1/08

M. A. Baechler *M.A. Baechler*
 APR 01 2008

Reviewed *[Signature]*
 By Al Rizzo 4-1-08

COLLECTOR *D. Parbach* **COMPANY CONTACT** ROHAY, VJ **TELEPHONE NO.** 373-3803 **PROJECT COORDINATOR** TRENT, SJ

SAMPLING LOCATION 200-PW-2 Rebound-Partial March Monitoring **PROJECT DESIGNATION** 200-PW-1 Vadose Zone Monitoring During Non-operation of SVE Systems **SAF NO.** F02-010

ICE CHEST NO. N/A **FIELD LOGBOOK NO.** HNF-N-575-4 **ACTUAL SAMPLE DEPTH** **COA** 122605ES10 **METHOD OF SHIPMENT** GOVERNMENT VEHICLE

SHIPPED TO Field Analysis Activities **OFFSITE PROPERTY NO.** N/A **BILL OF LADING/AIR BILL NO.** N/A

MATRIX*	POSSIBLE SAMPLE HAZARDS/ REMARKS	PRESERVATION	TYPE OF CONTAINER	NO. OF CONTAINER(S)	VOLUME	SAMPLE ANALYSIS	SAMPLE DATE	SAMPLE TIME
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	N/A	None	Tedlar Bag	1	1L	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	3-31-08	0805
							3-31-08	0815

SAMPLE NO.	MATRIX*	SIGN/ PRINT NAMES	RECEIVED BY/STORED IN	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
B1TV88	GASEOUS		<i>J. McNeer</i>	0900	<i>J. McNeer</i>	5-31-08
B1TV89	GASEOUS					
B1TVC3	GASEOUS					
B1TVC4	GASEOUS					

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM *D. Parbach* DATE/TIME 0900
 RELINQUISHED BY/REMOVED FROM *D. Parbach* DATE/TIME 0930

RECEIVED BY/STORED IN *J. McNeer* DATE/TIME 0900
 RECEIVED BY/STORED IN *J. McNeer* DATE/TIME 0930

RELINQUISHED BY/REMOVED FROM DATE/TIME
 RECEIVED BY/STORED IN DATE/TIME

LABORATORY SECTION RECEIVED BY TITLE DATE/TIME

FINAL SAMPLE DISPOSITION *All USED in Analysis* DATE/TIME *3/31/08*

Sample

DISPOSED BY *J. McNeer* DATE/TIME *3/31/08*

Analyst at time of analysis is Parbach 3-27-08

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Certificate of Analysis

TestAmerica Laboratories, Inc.

CH2M Hill Plateau Remediation Company
 P.O. Box 1600
 Mail Stop - R3-60
 Richland, WA 99352

January 20, 2010

Attention: Mike Neely

RDR 6061

SAF Number	:	S10-010
Date SDG Closed	:	January 7, 2010
Number of Samples	:	Two (2)
Sample Type	:	Water
SDG Number	:	W05731A
Data Deliverable	:	15-Day / Summary

CASE NARRATIVE**I. Introduction**

On January 7, 2010, a request for a data recheck (CHPRC Order Number: 100107TARL-R6061) of two water samples were received at TestAmerica. Upon receipt, the samples were assigned the following laboratory ID number to correspond with the CH2M specific IDs:

<u>CH2M ID#</u>	<u>TARL ID#</u>	<u>MATRIX</u>	<u>DATE OF RECEIPT</u>
B22113	LR1KW (LL8J4)	WATER	01/07/10
B22112	LR1JP (LL8JT)	WATER	01/07/10

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.

00000001
00000000

CH2M Hill Plateau Remediation Company
January 20, 2010

The requested analysis recheck was:

Chemical Analysis
Hexavalent Chromium by EPA method 7196A

*SOP ID's changed effective 7-01-2008. Attached is a cross reference until SOP ID's are changed in all systems.

IV. Quality Control

The analytical results for each analysis performed includes a minimum of one laboratory control sample (LCS), one method (reagent) blank, and one duplicate sample analysis. Any exceptions have been noted in the "Comments" section.

QC and sample results are reported in the same units.

V. Comments

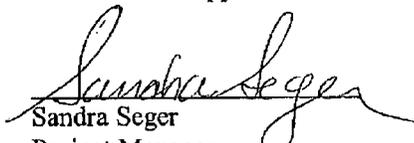
Chemical Analysis

Hexavalent Chromium by EPA method 7196A

The data were reviewed for typographical, calculation and reporting errors. No data discrepancies or anomalies were found regarding sample B22112 and B22113, as reported from the analysis data on November 20, 2009.

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:


Sandra Seger
Project Manager

00000002

01/07/2010
RECHECK, RECOUNT, OR REANALYSIS ORDER
CONTRACT NO MW6-SBB-A19981

TestAmerica Incorporated, Richland
2800 George Washington Way
Richland, WA 99354

W05731A
Rcv'd 1/7/10
Due 1/22/10

CHPRC Order Number: 100107TARL-R6061

Sample Delivery Group: W05731

Special Instructions None

Samples(s)

Lab Sample ID	CHPRC Sample	Action	TAT	METHOD_NAME:
9LL8J410	B22113	Recheck	15/15	7196_CR6 LRJFA LR1KW
9LL8JT10	B22112	Recheck	15/15	7196_CR6 LR1KW LR1JP SKS1/1/10

JOA080528
SDG1W05731A



Deliver Report Results to: CH2M Hill Plateau Remediation Company
P.O. Box 1600
Mail Stop - R3-60
Richland, WA 99352
C/O Mr. Mike Neely

00000003

Seger, Sandra

From: Hampt, Heidi [Heidi_Hampt@RL.gov]
Sent: Thursday, January 07, 2010 12:41 PM
To: Seger, Sandra
Cc: ^CPP Sample Management; Anastos, Heather L; Ayres, Doris E; Champoux, Sara J; Crisp, Bryan D; Dyekman, Dale L; Mix, Pauline D; Neely, Michael; Sumner, Laine C; Trent, Stephen J; Widrig, Dana L
Subject: Request for Recheck, Recount, or Reanalysis Order/R6061
Attachments: 100107TARLR6061.rtf



100107TARLR6061.
rtf (3 KB)

See Attached

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

Collector: **RT Sackle CHPRC**
 Contact/Requester: **Dana Widzie**
 Telephone No.: **509-376-2858**
 Sampling Location: **Harford Site**
 Purchase Order/Charge Code: **510071ESS0**
 Project Title: **SURV OCTOBER 2009**
 Logbook No.: **ENF-N-506 23171**
 Shipyard (Lab): **WestAmerica Incorporated Richland**
 Method of Shipment: **Government Vehicle**
 Protocol: **SURV**
 Priority: **45 Days**
 Bill of Lading/Air Bill No.: **N/A**
 Office Property No.: **N/A**
 Total Activity Examination: Yes No

POSSIBLE SAMPLE HAZARDS/REMARKS
 ** ** Chemical Radionuclides Method concentrations that are not regulated for transportation, per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS Hold Time: **6 Months**
 FY09 and FY10 samples because in the same SOG Site-Wide Generator Knowledge Information Form applies.

Sample No. **Filter** **Date** **Time** **No./Type Container** **Sample Analysis** **Hold Time** **Preservative**

B22112	Y	10/8/09	0955	1x500-mL aG	7196_CR6: Hexavalent Chromium (I)	24 Hours	Coat-4C
B22113	N	10/8/09	1054	1x20-mL P	Activity Scan	6 Months	None
B22113	N	10/8/09	1054	1x500-mL aG	7196_CR6: Hexavalent Chromium (I)	24 Hours	Coat-4C

*New * LR 10P LR 1KW**

W05731/395080292

10/8/09

Relinquished By: *RT Sackle CHPRC* **Date/Time:** *OCT 08 2009 10:20*

Received By: *F M Hall* **Date/Time:** *OCT 08 2009 1230*

Relinquished By: *F M Hall* **Date/Time:** *10-8-09 10:20*

Received By: *EP Bone* **Date/Time:** *10-8-09 1230*

Relinquished By: _____ **Date/Time:** _____

Received By: _____ **Date/Time:** _____

Disposal Method (e.g. Return to customer, used in process): _____

Disposed By: _____ **Date/Time:** _____

FINAL SAMPLE DISPOSITION

Matrix *

S	SE	SO	SL	W	O	A	S	SE	SO	SL	W	O	A
<input type="checkbox"/>													
Soil	Sediment	Solid	Sludge	Water	Oil	Air	Dream Solid	Dream Liquid	Tissue	Wine	Liquid	Vegetation	Other
DX	DL	T	WT	L	V	X	<input type="checkbox"/>						

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Check-in List

Date/Time Received: Oct 08 09 @ 12:30 PM GM Screen Results 4

Client: FBW SDG # W08731 NA SAF # S10-010 NA

Work Order Number: J9J080292 Chain of Custody # S10-010-36;54

Shipping Container ID: N/A Air Bill # N/A

1. Custody Seals on shipping container intact? Yes No
2. Custody Seals dated and signed? Yes No
3. Chain of Custody record present? Yes No
4. Cooler temperature: 4°C NA 5. Vermiculite/packing materials is NA Wet Dry
6. Number of samples in shipping container: 4 @ 6 Containers
7. Sample holding times exceeded? NA Yes No
8. Samples have:
 tape hazard labels
 custody seals appropriate samples labels
9. Samples are:
 in good condition leaking
 broken have air bubbles
(Only for samples requiring head space)
10. Sample pH taken? NA pH < 2 pH > 2 pH > 9 Amount of HNO₃ Added _____
11. Sample Location, Sample Collector Listed? * Yes No
*For documentation only. No corrective action needed.
12. Were any anomalies identified in sample receipt? Yes No
13. Description of anomalies (include sample numbers): N/A

Sample Custodian: [Signature] Date: Oct 08 09 @ 12:30 PM

Client Sample ID	Analysis Requested	Condition	Comments/Action

Client Informed on N/A by N/A Person contacted N/A

No action necessary proceed as is.
Project Manager: [Signature] Date: 11/30/09