

JULY 23, 2012

WSCF Laboratory

PO Box 650 S3-30
Richland, WA 99352



July 23, 2012

Scot Fitzgerald
CH2M-HILL PRC
PO Box 1600
Richland, WA 99352

Dear Scot Fitzgerald,

FINAL RESULT FOR SAMPLE DELIVERY GROUP WSCF120909

Reference: (1) SOW, Mod 2, #36587, Release 3
(2) MSC-SD-CD-QAPP-017, current version, Waste Sampling & Characterization Facility Quality Assurance Program Plan

This letter contains the following information for sample delivery group WSCF120909

- * Cover Sheet (Attachment 1)
- * Narrative (Attachment 2)
- * Analytical Results (Attachment 3)
- * Sample Receipt Information (Attachment 4)

Very truly yours,

A handwritten signature in black ink, appearing to read "Joseph Hale", is positioned above the typed name.

Electronically signed by Joseph Hale

For Lab Manager, Dan T. Smith

WSCF Analytical Lab

(509) 373-4804

Attachments 4

CC: w/Attachments

File/LB

ATTACHMENT 1

COVER SHEET

Consisting of 2 pages
Including cover page

WSCF SAF Number Cross Reference

Group # WSCF120909
 Data Deliverable Date 09/04/12

SAF #	Sample ID	Sample #	Matrix	Sampled	Received
X12-036	B2LFT2	120909001	WATER	07/17/12	07/17/12
X12-036	B2LFT4	120909002	WATER	07/17/12	07/17/12
X12-036	B2LFT6	120909003	WATER	07/17/12	07/17/12
X12-036	B2LFT9	120909004	WATER	07/17/12	07/17/12
X12-036	B2LH03	120909005	WATER	07/17/12	07/17/12
X12-036	B2LH06	120909006	WATER	07/17/12	07/17/12
X12-036	B2LH08	120909007	WATER	07/17/12	07/17/12
X12-036	B2LH09	120909008	WATER	07/17/12	07/17/12
X12-036	B2LFY7	120909009	WATER	07/17/12	07/17/12
X12-036	B2LFY9	120909010	WATER	07/17/12	07/17/12
X12-036	B2LFV1	120909011	WATER	07/17/12	07/17/12

ATTACHMENT 2

NARRATIVE

Consisting of 3 pages
Including cover page

Introduction

Samples were received at the WSCF laboratory as referenced on the WSCF SAF Number Cross Reference table included in the final report. The samples were analyzed for the analytes indicated on the attached copy of the chain of custody (COC) form in accordance with the *Statement of Work (SOW), Master Contract 39818, Revision 3, "Laboratory Analytical Services to CHPRC Soil and Groundwater Remediation Project."*

The narrative (Attachment 2) will address sample characteristics, analyses requested and general information in performance of the analytical methods. A Data Summary Report (Attachment 3) includes analytical results, a comment report detailing method abnormalities, tentatively identified peaks if applicable, method references, and Laboratory QC information as applicable. Copies of the chain of custody and sample receipt documentation are included as Attachment 4.

It should be noted that the attached chain of custody was not stamped "ICED" by the WSCF Laboratory Sample Custodian during sample receiving. However, based on procedure LO-090-403 form "NOTICE OF IMPROPER SAMPLE SUBMITTAL" was not submitted and was not stamped "NOT ICED". No anomaly was noted during sample receipt.

The following generic data qualifiers (i.e., B, C, D, J and U) may be applicable to this report, as appropriate.

- **B** – Sample results with a concentration greater than the MDL but less than the PQL are B flagged (applies to inorganic and wet chemical analyses), as appropriate.
- **C** – Analyte was detected in the blank and was evaluated. Affected sample results in the batch were C flagged (applies to inorganic and wet chemical analyses).
- **D** – Sample results are D flagged if dilution(s) were required, as appropriate.
- **J** – Sample results with a concentration greater than the MDL but less than the PQL are J flagged (applies to organic analyses), as appropriate.
- **B (organic analyses)** – Analyte was detected in the blank and was evaluated. Affected sample results in the batch were B flagged.
- **U** – Analyzed for but not detected above limiting criteria. Relative Percent Difference (RPD) values associated with an analyte qualified with a "U" are not applicable.

Analytical Methodology for Requested Analyses

Refer to *WSCF Method References Report* for a complete listing of approved analytical methods.

Inorganic Comments

Attachment 2
Narrative
WSCF120909

Hexavalent Chromium – The hold time requirement for this analysis was met. A Duplicate, Matrix Spike, Blank and Laboratory Control Sample were analyzed with this delivery group. Analytical Note(s):

- All applicable QC controls are within the established limits.

We certify that this data package 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 data package has been authorized by the Analytical Laboratory Manager (or designee) and the Client Services representative as verified by electronic signatures shown on the WSCF ANALYTICAL RESULTS REPORT.

ATTACHMENT 3

ANALYTICAL RESULTS

Consisting of 17 pages
Including cover page

JULY 23, 2012

WSCF ANALYTICAL RESULTS REPORT

For

CH2M Hill Plateau Remediation

PO Box 1600
Richland, WA 99352

Attention: Scot Fitzgerald

Contract # MOA-FH-CHPRC-2008
Group # WSCF120909
Report Date July 23, 2012

Analytical: Electronically signed by Joseph Hale

Client Services: Electronically signed by Marisol Avila

Solid samples results that have a 'Percent Solid' test are reported on a "dry weight basis", except results of TCLP, Percent Solid, and Total Activity. If no 'Percent Solid' test is reported then the results are reported on an "as received" basis.

This information is intended for the use of the addressee only. If the reader of this report is not the intended recipient or is not authorized by the recipient to receive the report, you are hereby notified that any dissemination, distribution or copying of this report is strictly prohibited. If you have received this report in error, please notify WSCF Laboratory immediately by telephone at (509) 373-7005. Information designation of this report is the responsibility of the customer.

Batch QC List

Attention Scot Fitzgerald
Department Inorganic

Group # WSCF120909

QC Batch	Analytical Batch	S#	Type	Sample #	Client Sample#	Original	Test
204940	204940	1	BLANK	78328	BLANK		Hexavalent chromium Discrete Analyzer
204940	204940	3	LCS	78330	LCS		Hexavalent chromium Discrete Analyzer
204940	204940	4	DUP	78331	B2LFT2(120909001DUP)	120909001	Hexavalent chromium Discrete Analyzer
204940	204940	5	MS	78332	B2LFT2(120909001MS)	120909001	Hexavalent chromium Discrete Analyzer
204940	204940	6	SAMPLE	120909001	B2LFT2		Hexavalent chromium Discrete Analyzer
204940	204940	7	SAMPLE	120909002	B2LFT4		Hexavalent chromium Discrete Analyzer
204940	204940	8	SAMPLE	120909003	B2LFT6		Hexavalent chromium Discrete Analyzer
204940	204940	9	SAMPLE	120909004	B2LFT9		Hexavalent chromium Discrete Analyzer
204940	204940	10	SAMPLE	120909005	B2LH03		Hexavalent chromium Discrete Analyzer
204940	204940	11	SAMPLE	120909006	B2LH06		Hexavalent chromium Discrete Analyzer
204940	204940	12	SAMPLE	120909007	B2LH08		Hexavalent chromium Discrete Analyzer
204940	204940	13	SAMPLE	120909008	B2LH09		Hexavalent chromium Discrete Analyzer
204940	204940	14	SAMPLE	120909009	B2LFY7		Hexavalent chromium Discrete Analyzer
204940	204940	15	SAMPLE	120909010	B2LFY9		Hexavalent chromium Discrete Analyzer
204942	204942	1	BLANK	78335	BLANK		Hexavalent chromium Discrete Analyzer
204942	204942	3	LCS	78337	LCS		Hexavalent chromium Discrete Analyzer
204942	204942	4	DUP	78338	B2LCV6(120920002DUP)	120920002	Hexavalent chromium Discrete Analyzer
204942	204942	5	MS	78339	B2LCV6(120920002MS)	120920002	Hexavalent chromium Discrete Analyzer
204942	204942	6	SAMPLE	120909011	B2LFV1		Hexavalent chromium Discrete Analyzer

Method Reference

Attention Scot Fitzgerald
Department Inorganic

Group # WSCF120909

The results provided in this report were generated using the following WSCF Laboratory procedures. For your convenience, this table provides a listing of the regulatory, industry methods or HEIS methods that are referenced by each of these WSCF procedures. Please note that the most recent version of the regulatory or industry method is listed here even though WSCF procedure may reference an older version of the method. Also, a reference to a regulatory or industry method here does not necessarily indicate a verbatim implementation of that method.

LA-265-403	Hexavalent Chromium Analysis		
	EPA SW-846	7196A	Hexavalent Chromium
	HEIS	7196_CR6	Hexavalent Chromium

Note: A complete list of WSCF analytical procedures and reference regulatory or industry methods is available online at <http://www7.rl.gov/rapidweb/AS-DOL/index.cfm>

WSCF Analytical Results Report

Attention Scot Fitzgerald
Department Inorganic

Group # WSCF120909

Sample # 120909001
SAF# X12-036
Sample ID B2LFT2

Matrix WATER
Sampled 07/17/12
Received 07/17/12

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
										07/17/12
Hexavalent chromium Discrete Analyzer										
Hexavalent chromium	18540-29-9	LA-265-403	U	<0.0020		mg/L	1	0.0020	0.0050	07/17/12

MDL = Minimum Detection Limit
 RQ = Result Qualifier
 TP Err = Total Propagated Error
 DF = Dilution Factor
 + - Indicates more than nine qualifier

B - Analyte < the PQL(or EQL)but >= the IDL/MDL(Inorganic)
 C - Analyte was found in the Associated Blank. (Inorganic)
 D - Analyte was reported at a secondary dilution factor.
 E - Analyte is an estimate, see comment section.
 N - MS and/or MSD recovery outside control limits.

U - Analyzed for but not detected above limiting criteria.
 X,Y or Z - See comment detail and/or narrative.
 PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Scot Fitzgerald
Department Inorganic

Group # WSCF120909

Sample # 120909002
SAF# X12-036
Sample ID B2LFT4

Matrix WATER
Sampled 07/17/12
Received 07/17/12

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
07/17/12										
Hexavalent chromium Discrete Analyzer										
Hexavalent chromium	18540-29-9	LA-265-403	U	<0.0020		mg/L	1	0.0020	0.0050	07/17/12

MDL = Minimum Detection Limit
 RQ = Result Qualifier
 TP Err = Total Propagated Error
 DF = Dilution Factor
 + - Indicates more than nine qualifier

B - Analyte < the PQL(or EQL)but >= the IDL/MDL(Inorganic)
 C - Analyte was found in the Associated Blank. (Inorganic)
 D - Analyte was reported at a secondary dilution factor.
 E - Analyte is an estimate, see comment section.
 N - MS and/or MSD recovery outside control limits.

U - Analyzed for but not detected above limiting criteria.
 X,Y or Z - See comment detail and/or narrative.
 PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Scot Fitzgerald
Department Inorganic

Group # WSCF120909

Sample # 120909003
SAF# X12-036
Sample ID B2LFT6

Matrix WATER
Sampled 07/17/12
Received 07/17/12

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
										07/17/12
Hexavalent chromium Discrete Analyzer										
Hexavalent chromium	18540-29-9	LA-265-403	U	<0.0020		mg/L	1	0.0020	0.0050	07/17/12

MDL = Minimum Detection Limit
 RQ = Result Qualifier
 TP Err = Total Propagated Error
 DF = Dilution Factor
 + - Indicates more than nine qualifier

B - Analyte < the PQL(or EQL)but >= the IDL/MDL(Inorganic)
 C - Analyte was found in the Associated Blank. (Inorganic)
 D - Analyte was reported at a secondary dilution factor.
 E - Analyte is an estimate, see comment section.
 N - MS and/or MSD recovery outside control limits.

U - Analyzed for but not detected above limiting criteria.
 X,Y or Z - See comment detail and/or narrative.
 PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Scot Fitzgerald
Department Inorganic

Group # WSCF120909

Sample # 120909004
SAF# X12-036
Sample ID B2LFT9

Matrix WATER
Sampled 07/17/12
Received 07/17/12

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
										07/17/12
Hexavalent chromium Discrete Analyzer										
Hexavalent chromium	18540-29-9	LA-265-403	U	<0.0020		mg/L	1	0.0020	0.0050	07/17/12

MDL = Minimum Detection Limit
 RQ = Result Qualifier
 TP Err = Total Propagated Error
 DF = Dilution Factor
 + - Indicates more than nine qualifier

B - Analyte < the PQL(or EQL)but >= the IDL/MDL(Inorganic)
 C - Analyte was found in the Associated Blank. (Inorganic)
 D - Analyte was reported at a secondary dilution factor.
 E - Analyte is an estimate, see comment section.
 N - MS and/or MSD recovery outside control limits.

U - Analyzed for but not detected above limiting criteria.
 X,Y or Z - See comment detail and/or narrative.
 PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Scot Fitzgerald
Department Inorganic

Group # WSCF120909

Sample # 120909005
SAF# X12-036
Sample ID B2LH03

Matrix WATER
Sampled 07/17/12
Received 07/17/12

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
										07/17/12
Hexavalent chromium Discrete Analyzer										
Hexavalent chromium	18540-29-9	LA-265-403	U	<0.0020		mg/L	1	0.0020	0.0050	07/17/12

MDL = Minimum Detection Limit
 RQ = Result Qualifier
 TP Err = Total Propagated Error
 DF = Dilution Factor
 + - Indicates more than nine qualifier

B - Analyte < the PQL(or EQL)but >= the IDL/MDL(Inorganic)
 C - Analyte was found in the Associated Blank. (Inorganic)
 D - Analyte was reported at a secondary dilution factor.
 E - Analyte is an estimate, see comment section.
 N - MS and/or MSD recovery outside control limits.

U - Analyzed for but not detected above limiting criteria.
 X,Y or Z - See comment detail and/or narrative.
 PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Scot Fitzgerald
Department Inorganic

Group # WSCF120909

Sample # 120909006
SAF# X12-036
Sample ID B2LH06

Matrix WATER
Sampled 07/17/12
Received 07/17/12

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
										07/17/12
Hexavalent chromium Discrete Analyzer										
Hexavalent chromium	18540-29-9	LA-265-403	U	<0.0020		mg/L	1	0.0020	0.0050	07/17/12

MDL = Minimum Detection Limit
 RQ = Result Qualifier
 TP Err = Total Propagated Error
 DF = Dilution Factor
 + - Indicates more than nine qualifier

B - Analyte < the PQL(or EQL)but >= the IDL/MDL(Inorganic)
 C - Analyte was found in the Associated Blank. (Inorganic)
 D - Analyte was reported at a secondary dilution factor.
 E - Analyte is an estimate, see comment section.
 N - MS and/or MSD recovery outside control limits.

U - Analyzed for but not detected above limiting criteria.
 X,Y or Z - See comment detail and/or narrative.
 PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Scot Fitzgerald
Department Inorganic

Group # WSCF120909

Sample # 120909007
SAF# X12-036
Sample ID B2LH08

Matrix WATER
Sampled 07/17/12
Received 07/17/12

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
										07/17/12
Hexavalent chromium Discrete Analyzer										
Hexavalent chromium	18540-29-9	LA-265-403	U	<0.0020		mg/L	1	0.0020	0.0050	07/17/12

MDL = Minimum Detection Limit
 RQ = Result Qualifier
 TP Err = Total Propagated Error
 DF = Dilution Factor
 + - Indicates more than nine qualifier

B - Analyte < the PQL(or EQL)but >= the IDL/MDL(Inorganic)
 C - Analyte was found in the Associated Blank. (Inorganic)
 D - Analyte was reported at a secondary dilution factor.
 E - Analyte is an estimate, see comment section.
 N - MS and/or MSD recovery outside control limits.

U - Analyzed for but not detected above limiting criteria.
 X,Y or Z - See comment detail and/or narrative.
 PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Scot Fitzgerald
Department Inorganic

Group # WSCF120909

Sample # 120909008
SAF# X12-036
Sample ID B2LH09

Matrix WATER
Sampled 07/17/12
Received 07/17/12

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
										07/17/12
Hexavalent chromium Discrete Analyzer										
Hexavalent chromium	18540-29-9	LA-265-403	U	<0.0020		mg/L	1	0.0020	0.0050	07/17/12

MDL = Minimum Detection Limit
 RQ = Result Qualifier
 TP Err = Total Propagated Error
 DF = Dilution Factor
 + - Indicates more than nine qualifier

B - Analyte < the PQL(or EQL)but >= the IDL/MDL(Inorganic)
 C - Analyte was found in the Associated Blank. (Inorganic)
 D - Analyte was reported at a secondary dilution factor.
 E - Analyte is an estimate, see comment section.
 N - MS and/or MSD recovery outside control limits.

U - Analyzed for but not detected above limiting criteria.
 X,Y or Z - See comment detail and/or narrative.
 PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Scot Fitzgerald
Department Inorganic

Group # WSCF120909

Sample # 120909009
SAF# X12-036
Sample ID B2LFY7

Matrix WATER
Sampled 07/17/12
Received 07/17/12

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
07/17/12										
Hexavalent chromium Discrete Analyzer										
Hexavalent chromium	18540-29-9	LA-265-403	B	0.00380		mg/L	1	0.0020	0.0050	07/17/12

MDL = Minimum Detection Limit
 RQ = Result Qualifier
 TP Err = Total Propagated Error
 DF = Dilution Factor
 + - Indicates more than nine qualifier

B - Analyte < the PQL(or EQL)but >= the IDL/MDL(Inorganic)
 C - Analyte was found in the Associated Blank. (Inorganic)
 D - Analyte was reported at a secondary dilution factor.
 E - Analyte is an estimate, see comment section.
 N - MS and/or MSD recovery outside control limits.

U - Analyzed for but not detected above limiting criteria.
 X,Y or Z - See comment detail and/or narrative.
 PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Scot Fitzgerald
Department Inorganic

Group # WSCF120909

Sample # 120909010
SAF# X12-036
Sample ID B2LFY9

Matrix WATER
Sampled 07/17/12
Received 07/17/12

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
										07/17/12
Hexavalent chromium Discrete Analyzer										
Hexavalent chromium	18540-29-9	LA-265-403	U	<0.0020		mg/L	1	0.0020	0.0050	07/17/12

MDL = Minimum Detection Limit
 RQ = Result Qualifier
 TP Err = Total Propagated Error
 DF = Dilution Factor
 + - Indicates more than nine qualifier

B - Analyte < the PQL(or EQL)but >= the IDL/MDL(Inorganic)
 C - Analyte was found in the Associated Blank. (Inorganic)
 D - Analyte was reported at a secondary dilution factor.
 E - Analyte is an estimate, see comment section.
 N - MS and/or MSD recovery outside control limits.

U - Analyzed for but not detected above limiting criteria.
 X,Y or Z - See comment detail and/or narrative.
 PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Scot Fitzgerald
Department Inorganic

Group # WSCF120909

Sample # 120909011
SAF# X12-036
Sample ID B2LFV1

Matrix WATER
Sampled 07/17/12
Received 07/17/12

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
										07/17/12
Hexavalent chromium Discrete Analyzer										
Hexavalent chromium	18540-29-9	LA-265-403		0.0247		mg/L	1	0.0020	0.0050	07/17/12

MDL = Minimum Detection Limit
 RQ = Result Qualifier
 TP Err = Total Propagated Error
 DF = Dilution Factor
 + - Indicates more than nine qualifier

B - Analyte < the PQL(or EQL)but >= the IDL/MDL(Inorganic)
 C - Analyte was found in the Associated Blank. (Inorganic)
 D - Analyte was reported at a secondary dilution factor.
 E - Analyte is an estimate, see comment section.
 N - MS and/or MSD recovery outside control limits.

U - Analyzed for but not detected above limiting criteria.
 X,Y or Z - See comment detail and/or narrative.
 PQL is equivalent to Estimated Quantitation Limit (EQL)

Quality Control Report

Attention Scot Fitzgerald
Department Inorganic

Group # WSCF120909

Analytical Batch 204940 (QC Batch: 204940) **Test** Hexavalent chromium Discrete Analyzer
Associated Samples 120909001, 120909002, 120909003, 120909004, 120909005, 120909006, 120909007, 120909008, 120909009, 120909010

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
BLANK										
			QC Sample #78328							
Hexavalent chromium	18540-29-9		<0.0020	mg/L					U	07/17/12
LCS			QC Sample #78330							
Hexavalent chromium	18540-29-9		0.0497	mg/L	99.4	90 - 110				07/17/12
DUP			QC Sample #78331							
			Original 120909001							
Hexavalent chromium	18540-29-9	<0.0020	<0.0020	mg/L			-7.10	20	U	07/17/12
MS			QC Sample #78332							
			Original 120909001							
Hexavalent chromium	18540-29-9	<0.0020	0.0376	mg/L	94	85 - 115				07/17/12

* - QC result out of range n/a - Not Applicable

Quality Control Report

Attention Scot Fitzgerald
Department Inorganic

Group # WSCF120909

Analytical Batch 204942 (QC Batch: 204942)
Associated Samples 120909011

Test Hexavalent chromium Discrete Analyzer

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
BLANK										
			QC Sample #78335							
Hexavalent chromium	18540-29-9		<0.0020	mg/L					U	07/17/12
LCS			QC Sample #78337							
Hexavalent chromium	18540-29-9		0.0472	mg/L	94.4	90 - 110				07/17/12
DUP			QC Sample #78338							
			Original 120920002							
Hexavalent chromium	18540-29-9		<0.0020	mg/L			0.00	20	U	07/17/12
MS			QC Sample #78339							
			Original 120920002							
Hexavalent chromium	18540-29-9		0.0378	mg/L	94.5	85 - 115				07/17/12

* - QC result out of range

n/a - Not Applicable

ATTACHMENT4

SAMPLE RECEIPT

Consisting of 14 pages
Including cover page

Waste Sampling and Characterization Facility
P.O. Box 1970 S3-30, Richland WA 99352
Phone: (509) 373-7004/FAX: (509) 373-7134

ACKNOWLEDGEMENT OF SAMPLES RECEIVED

WSCF Laboratory
 PO Box 650 S3-30
 Richland, WA 99352

ATTN: Scot Fitzgerald

Customer Code: CHPRC
 PO #: 401647
 Work Order #: 120909
 Profile #: X12-036-072
 Proj. Mgr.:
 Phone:

The following samples were received from you on 7/17/2012 1:00:00 PM. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using Waste Sampling and Characterization Facility.

Sample #	Sample ID	Matrix	Collected	Received
		Tests scheduled		
120909001	B2LFT2	WATER	7/17/2012 11:09	7/17/2012 13:00
		CR6DA-W		
120909002	B2LFT4	WATER	7/17/2012 11:21	7/17/2012 13:00
		CR6DA-W		
120909003	B2LFT6	WATER	7/17/2012 12:03	7/17/2012 13:00
		CR6DA-W		
120909004	B2LFT9	WATER	7/17/2012 12:12	7/17/2012 13:00
		CR6DA-W		
120909005	B2LH03	WATER	7/17/2012 10:48	7/17/2012 13:00
		CR6DA-W		
120909006	B2LH06	WATER	7/17/2012 10:07	7/17/2012 13:00
		CR6DA-W		
120909007	B2LH08	WATER	7/17/2012 07:15	7/17/2012 13:00
		CR6DA-W		
120909008	B2LH09	WATER	7/17/2012 10:16	7/17/2012 13:00
		CR6DA-W		
120909009	B2LFY7	WATER	7/17/2012 11:39	7/17/2012 13:00
		CR6DA-W		
120909010	B2LFY9	WATER	7/17/2012 10:38	7/17/2012 13:00
		CR6DA-W		
120909011	B2LFV1	WATER	7/17/2012 12:20	7/17/2012 13:00

Waste Sampling and Characterization Facility
P.O. Box 1970 S3-30, Richland WA 99352
Phone: (509) 373-7004/FAX: (509) 373-7134

CR6DA-W

Test Acronym Description

Test Acronym	Description
CR6DA-W	Cr6 (W Discrete analyzer)

Sample Receipt

CHI2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C. # X12-036-072
Collector: <i>Amador</i>		Contact/Requester: Karen Waters-Husted	Telephone No.: 376-4650	Page 1 of 1
SAF No.: X12-036		Sampling Origin: Hanford Site	Purchase Order/Charge Code: 300071E520	
Project Title: SHORELINE, JULY 2012		Logbook No.: HNF-N-506-46/34	Ice Chest No.: N/A	
Shipped To (Lab): Waste Sampling & Characterization		Method of Shipment: GOVERNMENT VEHICLE	Bill of Lading/Air Bill No.: N/A	
Protocol: SURV		Priority: 45 Days	Offsite Property No.: N/A	
POSSIBLE SAMPLE HAZARDS/REMARKS *** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 3403 (1990/1993)				
SPECIAL INSTRUCTIONS: Hold Time Site Wide Generator Knowledge Information Form applies. The CACN for all analytical work at WSCP is 401647.				
Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
Sample No.	Filter	* Date	Time	No/Type Container
B2LFT2	N	W 7-17-12	1109	1x500-mL aG
Sample Analysis: 7196_CR6: Hexavalent Chromium (1)		Holding Time: 24 Hours		Preservative: Cool-4C

Relinquished By: <i>Amador</i>	Print: <i>Amador</i>	Sign: <i>Amador</i>	Date/Time: 7-17-12 1300	Received By: <i>TAFARZIN JESSE, F.</i>	Print: <i>TAFARZIN JESSE, F.</i>	Sign: <i>TAFARZIN JESSE, F.</i>	Date/Time: 7-17-12 1300
Relinquished By:			Date/Time:	Received By:			Date/Time:
Relinquished By:			Date/Time:	Received By:			Date/Time:
Relinquished By:			Date/Time:	Received By:			Date/Time:
FINAL SAMPLE DISPOSITION Disposal Method (e.g. Return to customer, used in process)				Disposed By:			
PRINTED ON: 5/31/2012							

A-6004-8-42 (REV 2)

Sample Receipt

Chain of Custody

CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C.# X12-036-073			
Collector <i>Agula</i> SAF No. X12-036		Contact/Requester Karen Waters-Husted Telephone No. 376-4650	Page 1 of 1				
Project Title SHORELINE, JULY 2012	Sampling Origin Hanford Site	Purchase Order/Charge Code 300071ES20					
Shipped To (Lab) Waste Sampling & Characterization	Logbook No. HNF-N-506 46 / 36	Ice Chest No. N/A					
Protocol SURV	Method of Shipment GOVERNMENT VEHICLE	Bill of Lading/Air Bill No. N/A					
Priority: 45 Days		Offsite Property No. N/A					
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1992) (933)							
SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Site Wide Generator Knowledge Information Form applies. The CACN for all analytical work at WSCF is 401647.							
Sample No. B2LFT4	Filter N	Date 7-17-12	Time 1121	No./Type Container 1x500-mL aG	Sample Analysis 7-196_CR6: Hexavalent Chromium (1)	Holding Time 24 Hours	Preservative Cool-4C

Relinquished By <i>Em Agula</i> Relinquished By	Date/Time 1300 Date/Time	Sign 7-17-12 Date/Time	Received By <i>TA Enzler</i> Received By	Date/Time 7-17-12 1300 Date/Time	Matrix *
Relinquished By	Date/Time	Sign	Received By	Date/Time	S - Soil DS = Drum Solids SE = Sediment DL = Drum Liquids SO = Solid I = Tissue SL = Sludge WI = Wine W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other
Relinquished by	Date/Time	Sign	Received By	Date/Time	
FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process)					

A-6004-642 (REV 2)

PRINTED ON 5/31/2012

Sample Receipt

Chain of Custody

CH2MHill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				C.O.C. # X12-036-074
Collector <i>Aguiar</i>		Contact/Requester Karen Waters-Husted	Telephone No.	376-4650	Page 1 of 1	
SAF No.	X12-036	Sampling Origin Hanford Site	Purchase Order/Charge Code	300071ES20		
Project Title	SHORELINE, JULY 2012	Logbook No.	IINF-N-506 46 / 36	Ice Chest No.	N/A	
Shipped To (Lab)	Waste Sampling & Characterization	Method of Shipment	GOVERNMENT VEHICLE	Bill of Lading/Air Bill No.	N/A	
Protocol	SURV	Priority:	45 Days	Offsite Property No.	N/A	
POSSIBLE SAMPLE HAZARDS/REMARKS *** Contains Radioactive Material at 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 Site Wide Generator Knowledge Information Form applies The CACN for all analytical work at WSCF is 401647.				
Sample No.	Filter	Date	Time	No/Type Container	Sample Analysis	Preservative
BZLFT6	3 N	7-17-12	1203	1x500-ml. aG	7196_CR6: Hexavalent Chromium (1)	Cool-4C

Relinquished By <i>Em Aguiar</i>	Print <i>Em Aguiar</i>	Sign <i>Em Aguiar</i>	Date/Time 7-17-12 1300	Received By <i>TA Frazier</i>	Print <i>TA Frazier</i>	Sign <i>TA Frazier</i>	Date/Time 7-17-12 1300
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process)				Disposed By Date/Time			

A-6004-042 (REV 2)

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Sample Receipt

Chain of Custody

CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				C.O.C. # X12-036-076
Collector: <i>Aguiar</i>		Contact/Requester: Karen Waters-Husted	Telephone No.: 376-4650	Page 1 of 1		
SAF No.: X12-036	Sampling Origin: Hanford Site	Logbook No.: HNF-N-506 <i>4636</i>	Purchase Order/Charge Code: 30007IES20			
Project Title: SHORELINE, JULY 2012	Method of Shipment: GOVERNMENT VEHICLE	Ice Chest No.: N/A	Bill of Lading/Air Bill No.: N/A			
Shipped To (Lab): Waste Sampling & Characterization	Priority: 45 Days	Offsite Property No.: N/A				
Protocol: SURV	SPECIAL INSTRUCTIONS: Hold Time		Total Activity Exemption: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
POSSIBLE SAMPLE HAZARDS/REMARKS ** Contain Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1992/1993)						
Sample No.	Filter	Date	Time	No/Type Container	Sample Analysis	Preservative
B2LFT9	4 N	7-17-12	12:12	1x500-mL aG	7196_CR6: Hexavalent Chromium (1)	Cool-4C

Relinquished By: <i>Aguiar</i>	Print: <i>Aguiar</i>	Sign: <i>Aguiar</i>	Date/Time: 7-17-12	Time: 12:00	Received By: <i>7A PMA/FA</i>	Print: <i>Aguiar</i>	Sign: <i>Aguiar</i>	Date/Time: 7-17-12	Time: 13:00
Relinquished By:					Received By:				
Relinquished By:					Received By:				
Relinquished By:					Received By:				
FINAL SAMPLE DISPOSITION					Disposal Method (e.g., Return to customer, per lab procedure, used in process)				
PRINTED ON: 5/31/2012					A-6004-842 (REV 2)				

Sample Receipt

Chain of Custody

CH2MHill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				C.O.C. # X12-036-103
Page 1 of 1						
Collector <i>Ayala</i>	Contact/Requester Karen Waters-Husted	Telephone No.	376-4650			
SAF No. X12-036	Sampling Origin Hanford Site	Purchase Order/Charge Code	300071ES20			
Project Title SHORELINE, JULY 2012	Logbook No. HNF-N-506 46 / 36	Ice Chest No.	N/A			
Shipped to (Lab) Waste Sampling & Characterization	Method of Shipment GOVERNMENT VEHICLE	Bill of Lading/Air Bill No.	N/A			
Protocol SURV	Priority: 45 Days	Offsite Property No.	N/A			
POSSIBLE SAMPLE HAZARDS/REMARKS ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)		SPECIAL INSTRUCTIONS Site Wide Generator Knowledge Information Form applies. The CACN for all analytical work at WSCF is 401647.		Hold Time Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Sample No.	Filter	Date	Time	No/Type Container	Sample Analysis	Preservative
B2LH03	5 N	7-17-12	1048	1x500-mL aG	7196_CR6: Hexavalent Chromium (1)	Cool-4C

Relinquished By <i>Con Ayala</i>	Print <i>Con Ayala</i>	Sign <i>Con Ayala</i>	Date/Time 7-17-12	Time 1048	No/Type Container 1x500-mL aG	Sample Analysis 7196_CR6: Hexavalent Chromium (1)	Preservative Cool-4C
Received By <i>TA Frazier</i>	Print <i>TA Frazier</i>	Sign <i>TA Frazier</i>	Date/Time 7-17-12	Time 1300	No/Type Container 1x500-mL aG	Sample Analysis 7196_CR6: Hexavalent Chromium (1)	Preservative Cool-4C
Relinquished By			Date/Time				
Received By			Date/Time				
Relinquished By			Date/Time				
Received By			Date/Time				
FINAL SAMPLE DISPOSITION							Date/Time
Disposal Method (e.g., Return to customer, per lab procedure, used in process)							Date/Time
Deposited By							Date/Time
PRINTED ON 5/31/2012							A-6004-842 (REV 2)

Sample Receipt

Chain of Custody

CH2M Hill Plateau Remediation Company		C.O.C.# X12-036-104	
Collector <i>Aguiar</i>		Page 1 of 1	
SAF No. X12-036	Contact/Requester Karon Waters-Husted	Telephone No. 376-4650	
Project Title SHORELINE, JULY 2012	Sampling Origin Hanford Site	Purchase Order/Charge Code 300071ES20	
Shipped To (t.ab) Waste Sampling & Characterization	Logbook No. HNF-N-506-46 / 36	Ice Chest No. N/A	
Protocol SURV	Method of Shipment GOVERNMENT VEHICLE	Bill of Lading/Air Bill No. N/A	
Priority: 45 Days		Offsite Property No. N/A	
SPECIAL INSTRUCTIONS Hold Time		Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
POSSIBLE SAMPLE HAZARDS/REMARKS *** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5409.5 (1996/1993)			
Site Wide Generator Knowledge Information Form applies. The CACN for all analytical work at WSCF is 401547.			
Sample No. 6	Filter N	Time W	Date 7-17-12
B2LH06	4	N	W 7-17-12 1007
No/Type Container 1x500-mL aG	Sample Analysis 7196_CR6: Hexavalent Chromium (1)	Holding Time 24 Hours	Preservative Cool-4C

Relinquished By <i>Un Aguiar</i>	Print <i>Un Aguiar</i>	Sign <i>Un Aguiar</i>	Date/Time 7-17-12	Received By <i>JA Frazier</i>	Print <i>JA Frazier</i>	Sign <i>JA Frazier</i>	Date/Time 7-17-12 1300	Matrix *
Relinquished By			1300	Received By				S = Soil DS = Drum Solids
Relinquished By				Received By				SE = Sediment DL = Drum Liquids
Relinquished By				Received By				SO = Solid T = Tissue
				Received By				SL = Sludge W1 = Wipe
				Received By				W = Water T = Liquid
				Received By				O = Oil V = Vegetation
				Received By				A = Air X = Other
FINAL SAMPLE DISPOSITION								Date/Time
Disposal Method (e.g., Return to customer; per lab procedure; used in process)								Date/Time
Deposited By								Date/Time

A-6004-842 (REV 2)

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Sample Receipt

Chain of Custody

CH2M Hill Plateau Remediation Company		C.O.C.# X12-036-105	
Collector <i>Aguilar</i>		Page 1 of 1	
SAF No. X12-036	Contact/Requester Karen Waters-Husted	Telephone No. 376-4650	
Project Title SHORELINE, JULY 2012	Sampling Origin Hanford Site	Purchase Order/Charge Code 300071ES20	
Shipped To (Lab) Waste Sampling & Characterization	Logbook No. HNF-N-506 4/4 / 3/6	Ice Chest No. N/A	
Protocol SURV	Method of Shipment GOVERNMENT VEHICLE	Bill of Lading/Air Bill No. N/A	
POSSIBLE SAMPLE HAZARDS/REMARKS *** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1989/1993)		Offsite Property No. N/A	
SPECIAL INSTRUCTIONS Site Wide Generator Knowledge Information Form applies. The CACN for all analytical work at WSCF is 401677		Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Sample No. 7	Filter N	Time W 7-17-12 0715	Sample Analysis 7196_CR6: Hexavalent Chromium (1)
	No/Type Container 1x500-mL aG	Holding Time 24 Hours	Preservative Cool-4C

Relinquished By <i>AM Aguilar</i>	Print <i>AM Aguilar</i>	Sign <i>AM Aguilar</i>	Received By <i>JA Proza</i>	Sign <i>JA Proza</i>	Date/Time 7-17-12 1300	Matrix *
Relinquished By	Date/Time 7-17-12 1300	Received By	Date/Time 7-17-12 1300			S - Soil
Relinquished By	Date/Time	Received By	Date/Time			DS - Drum Solids
Relinquished By	Date/Time	Received By	Date/Time			DL - Drum Liquids
						SE - Sediment
						SO - Solid
						T - Tissue
						WI - Wipe
						SL - Sludge
						W - Water
						L - Liquid
						O - Oil
						V - Vegetation
						A - Air
						X - Other
FINAL SAMPLE DISPOSITION		Disposal Method (e.g., Return to customer, per lab procedure, used in process)		Date/Time		
PRINTED ON 5/31/2012		A-6004-842 (REV 2)				

Sample Receipt

Chain of Custody

CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				C.O.C.# X12-036-106
Collector <i>Aguiar</i>		Contact/Requester	Karen Waters-Husted		Telephone No.	376-4650
SAF No.	X12-036	Sampling Origin	Hanford Site		Purchase Order/Charge Code	300071ES20
Project Title	SHORELINE, JULY 2012	Logbook No.	HNF-N-506-46 / 36		Ice Chest No.	N/A
Shipped To (Lab)	Waste Sampling & Characterization	Method of Shipment	GOVERNMENT VEHICLE		Bill of Lading/Air Bill No.	N/A
Protocol	SURV	Priority:	45 Days		Offsite Property No.	N/A
POSSIBLE SAMPLE HAZARDS/REMARKS		SPECIAL INSTRUCTIONS		Hold Time	Total Activity Exemption: Yes <input type="checkbox"/> No <input type="checkbox"/>	
*** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)		Site Wide Generator Knowledge Information Form applies. The CACN for all analytical work at WSCF is 401647.				
Sample No.	Filter	Date	Time	No/Type Container	Sample Analysis	Holding Time
B2LH09	8 N W	7-17-12	10:16	1x500-mL eG	7196_CRG: Hexavalent Chromium (1)	24 Hours
						Preservative
						Cool-4C

Relinquished By	<i>Emilia Aguiar</i>	Print	Signature	7-17-12	Date/Time	1300	Received By	<i>T.A. Frantz</i>	Signature	7-17-12	Date/Time	1300	Matrix *
Relinquished By							Received By						S - Soil
Relinquished By							Received By						SE - Sediment
Relinquished By							Received By						SO - Solid
													SL - Sludge
													W - Water
													L - Liquid
													G - Oil
													V - Vegetation
													A - Air
													X - Other
FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process)												
	Disposed By												
	Date/Time												

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Sample Receipt

Chain of Custody

CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				C.O.C. # X12-036-099
Page 1 of 1						
Collector <i>Aguliar</i>	Contact/Requester Karon Waters-Husted	Telephone No.	376-4650			
SAF No. X12-036	Sampling Origin Hamford Site	Purchase Order/Charge Code	300071ES20			
Project Title SHORELINE, JULY 2012	Logbook No. HNF-N-506 44/ 34	Ice Chest No.	N/A			
Shipped To (Lab) Waste Sampling & Characterization	Method of Shipment GOVERNMENT VEHICLE	Bill of Lading/Air Bill No.	N/A			
Protocol SURV	Priority 45 Days	Offsite Property No.	N/A			
POSSIBLE SAMPLE HAZARDS/REMARKS ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)		SPECIAL INSTRUCTIONS Site Wide Generator Knowledge Information Form applies. The CACN for all analytical work at WSCF is 401647.		Hold Time		Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Sample No. B2LEY7	Filter 9 N	Date 7-17-12	Time 1139	No/Type Container 1x500-mL aG	Sample Analysis 7196_CR6: Hexavalent Chromium (1)	Holding Time 24 Hours
				Preservative Cool-4C		

Relinquished By <i>Chris Aguliar</i>	Print Chris Aguliar	Sign <i>Chris Aguliar</i>	Date 7-17-12	Time 1300	Date/Time 7-17-12 1300	Received By <i>TA Frazzini</i>	Print TA Frazzini	Sign <i>TA Frazzini</i>	Date/Time 7-17-12 1300	Matrix *
Relinquished By						Received By				S = Soil DS = Drum Solids SE = Sediment DL = Drum Liquids SO = Solid T = Tissue SI = Sludge WI = Wipe W = Water L = Liquid O = Oil V = Volatilization A = Air X = Other
Relinquished By						Received By				
Relinquished By						Received By				
FINAL SAMPLE DISPOSITION						Disposal Method (e.g., Return to customer, per lab procedure, used in process)				
PRINTED ON: 5/31/2012						A-6004-842 (REV 2)				

Sample Receipt

Chain of Custody

CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C. # X12-036-100
Collector: <i>Agui</i>		Contact/Requester: Karen Waters-Husted	Telephone No. 376-4650	Page 1 of 1
SAF No. X12-036	Sampling Origin: Hamford Site	Logbook No. HNF-N-506 <i>44/36</i>	Purchase Order/Charge Code 300071ES20	
Project Title: SHORELINE, JULY 2012	Method of Shipment: GOVERNMENT VEHICLE	Priority: 45 Days	Ice Chest No. N/A	
Shipped To (Lab): Waste Sampling & Characterization			Bill of Lading/Air Bill No. N/A	
Protocol: SURV			Offsite Property No. N/A	
POSSIBLE SAMPLE HAZARDS/REMARKS *** Contains Radioactive Material at 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 Total Activity Exemption Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Site Wide Generator Knowledge Information Form applies. The CACN for all analytical work at WSCF is 401647.		
Sample No. B2LFY9 10	Filter: V	Date: 7-17-12	Time: 1038	No./Type Container: 1x500-mL aG
				Sample Analysis: Hexavalent Chromium (1)
				Holding Time: 24 Hours
				Preservative: Cool-4C

Relinquished By: <i>Emilia</i>	Print: <i>Emilia</i>	Signature: <i>Agui</i>	Date/Time: 7-17-12 1300	Matrix: S - Soil, SE - Sediment, SO - Solid, SI - Sludge, W - Water, O - Oil, A - Air, DS - Dism. Solids, DL - Dism. Liquids, T - Tissue, WI - Wine, LI - Liquid, V - Vegetation, X - Other
Received By: <i>JA Frazee</i>	Print: <i>JA Frazee</i>	Signature: <i>JA Frazee</i>	Date/Time: 7-17-12 1300	
Relinquished By:			Date/Time:	
Received By:			Date/Time:	
Relinquished By:			Date/Time:	
Received By:			Date/Time:	
FINAL SAMPLE DISPOSITION				Disposal Method (e.g., Return to customer, per lab procedures, used in process)
Disposed By:				Date/Time:

A-6004-842 (REV 2)

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Sample Receipt

Chain of Custody

CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C.# X12-036-077	
Collector <i>Aguiar</i> SAF No. X12-036 Project Title SHORELINE, JULY 2012		Contact/Requester Karen Waters-Husted Sampling Origin Hanford Site Logbook No. HNF-N-506 <i>46/36</i>		Telephone No. 376-4650 Purchase Order/Charge Code 300071ES20 Yec Chest No. N/A	
Shipped To (Lab) Waste Sampling & Characterization		Method of Shipment GOVERNMENT VEHICLE		Bill of Lading/Air Bill No. N/A	
Protocol SURV		Priority: 45 Days		Offsite Property No. N/A	
POSSIBLE SAMPLE HAZARDS/REMARKS ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1992/1993)		SPECIAL INSTRUCTIONS Hold Time Site Wide Generator Knowledge Information Form applies. The CACN for all analytical work at WSCF is 431647.		Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Sample No.	Filter	Date	Time	No/Type Container	Sample Analysis
BZLFV1	11 N	7-17-12	1220	1x500-ml aG	7196 CR6: Hexavalent Chromium (1)
					Holding Time
					24 Hours
					Preservative
					Cool-4C

Relinquished By	<i>Om Aguiar</i>	Print	Sign	Date/Time	7-17-12	1300	Received By	<i>TA Frazier</i>	Print	Sign	Date/Time	7/17/12	1300
Relinquished By							Received By						
Relinquished By							Received By						
Relinquished By							Received By						

FINAL SAMPLE DISPOSITION Disposal Method (e.g. Return to customer, per lab procedure, used in process)	Date/Time
Disposed By	Date/Time

PRINTED ON 5/11/2012

A-6004-842 (REV 2)