

October 27, 2015

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Richland
2800 George Washington Way
Richland, WA 99352
Tel: (509)375-3131

TestAmerica Job ID: 300-1088-1
TestAmerica Sample Delivery Group: WC0442
Client Project/Site: CH2M Hill Chemical

For:
CH2M Hill Plateau Remediation Company
PO BOX 1600
Mail Stop R3-50
Richland, Washington 99352

Attn: CPP Sample Management



Authorized for release by:
10/27/2015 2:53:33 PM
Steven Campbell, Quality Assurance Assistant
steven.campbell@testamericainc.com

Designee for
Whitney Ritari, Project Manager I
(509)375-3131 ext164
whitney.ritari@testamericainc.com

I certify that this Certificate of Analysis is in compliance with the SOW, both technically and for completeness, for other than the conditions detailed in this package. 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 attached signature.

The laboratory is accredited to EPA 7196A in Solid and Chemical Materials, per Washington State Department of Ecology this is approved for non-discharge water samples. The sample/ sample duplicate RPD agreement is not applicable if one or both results are elss than five times the MDL.



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Qualifiers

HPLC/IC

Qualifier	Qualifier Description
U	Analyzed for but not detected.
D	The reported value is from a dilution.

General Chemistry

Qualifier	Qualifier Description
U	Analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)



Client: CH2M Hill Plateau Remediation Company
Project/Site: CH2M Hill Chemical

TestAmerica Job ID: 300-1088-1
SDG: WC0442

Job ID: 300-1088-1

Laboratory: TestAmerica Richland

Narrative

**Job Narrative
300-1088-1**

Comments

No additional comments.

Receipt

The samples were received on 10/14/2015 2:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 6.9° C.

HPLC/IC

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #

X16-011-002

Page 1 of 1

Collector	J.R. Aguilar/CHPRC	Contact/Requester	WATERS-HUSTED, K	Telephone No.	376-4650
SAF No.	X16-011	Sampling Origin	Hanford Site	Purchase Order/Charge Code	302869
Project Title	200-BP-5 Characterization Sampling	Logbook No.	HNF-N-506 <u>76/ S2</u>	Ice Chest No.	N/A
Shipped To (Lab)	TestAmerica Incorporated, Richland	Method of Shipment	GOVERNMENT VEHICLE	Bill of Lading/Air Bill No.	N/A
Protocol	CERCLA	Priority:	15 Days	Offsite Property No.	N/A
POSSIBLE SAMPLE HAZARDS/REMARKS			SPECIAL INSTRUCTIONS		
*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/ATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.			Hold Time		
			Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Sample No.	Filter	Date	No/Type Container	Sample Analysis	Holding Time
E33BC0	N	10-14-15	1x60-ml aG	7196_CR6: COMMON	24 Hours
					Preservative
					Cool <=6C

October 27, 2015



300-1088 COC

#1088

WCCPZ2
JF 10/14/15

WCC442

Reinquired By	J.R. Aguilar/CHPRC	Print	Sign	Date/Time	Received By	E.L. Kauer	Print	Sign	Date/Time	Matrix *
Reinquired By	E.L. Kauer	CHPRC	CHPRC	OCT 14 2015	Received By	J. Beck	TARL	OCT 14 2015	1420	S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air
Reinquired By					Received By					DS = Drum Solids DL = Drum Liquids T = Tissue WT = Wipe L = Liquid V = Vegetation X = Other
Reinquired By					Received By					
FINAL SAMPLE DISPOSITION										
Disposal Method (e.g., Return to customer, per lab procedure, used in process)					Disposed By					

October 27, 2015
Detection Summary

Client: CH2M Hill Plateau Remediation Company
Project/Site: CH2M Hill Chemical

TestAmerica Job ID: 300-1088-1
SDG: WC0442

Client Sample ID: B33BC0

Lab Sample ID: 300-1088-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.0095		0.0040	0.0015	mg/L	1		7196A	Total/NA

Client Sample ID: B33BB9

Lab Sample ID: 300-1088-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	27	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	83	D	1.4	0.70	mg/L	50		300.0	Total/NA
Fluoride	0.31	D	0.10	0.050	mg/L	2		300.0	Total/NA
Sulfate	140	D	1.3	0.63	mg/L	5		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Richland



October 27, 2015
Client Sample Results

Client: CH2M Hill Plateau Remediation Company
 Project/Site: CH2M Hill Chemical

TestAmerica Job ID: 300-1088-1
 SDG: WC0442

Client Sample ID: B33BC0
Date Collected: 10/14/15 08:08
Date Received: 10/14/15 14:20

Lab Sample ID: 300-1088-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0095		0.0040	0.0015	mg/L			10/14/15 19:20	1

Client Sample ID: B33BB9
Date Collected: 10/14/15 08:08
Date Received: 10/14/15 14:20

Lab Sample ID: 300-1088-2
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27	D	0.40	0.20	mg/L			10/14/15 18:24	2
Nitrate as N	83	D	1.4	0.70	mg/L			10/15/15 12:26	50
Fluoride	0.31	D	0.10	0.050	mg/L			10/14/15 18:24	2
Nitrite as N	0.038	U	0.076	0.038	mg/L			10/14/15 18:24	2
Sulfate	140	D	1.3	0.63	mg/L			10/14/15 21:24	5

October 27, 2015
QC Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: CH2M Hill Chemical

TestAmerica Job ID: 300-1088-1
SDG: WC0442

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 300-1458/5
Matrix: Water
Analysis Batch: 1458

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.014	U	0.028	0.014	mg/L			10/14/15 17:54	1
Nitrite as N	0.019	U	0.038	0.019	mg/L			10/14/15 17:54	1

Lab Sample ID: LCS 300-1458/6
Matrix: Water
Analysis Batch: 1458

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	2.26	2.27		mg/L		101	80 - 120
Nitrite as N	3.04	3.06		mg/L		101	80 - 120

Lab Sample ID: 300-1088-2 MS
Matrix: Water
Analysis Batch: 1458

Client Sample ID: B33BB9
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as N	0.038	U	0.609	0.509	D	mg/L		84	75 - 125

Lab Sample ID: 300-1088-2 DU
Matrix: Water
Analysis Batch: 1458

Client Sample ID: B33BB9
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrite as N	0.038	U	0.038	U	mg/L		NC	20

Lab Sample ID: MB 300-1459/5
Matrix: Water
Analysis Batch: 1459

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.10	U	0.20	0.10	mg/L			10/14/15 17:54	1
Fluoride	0.025	U	0.050	0.025	mg/L			10/14/15 17:54	1
Sulfate	0.13	U	0.25	0.13	mg/L			10/14/15 17:54	1

Lab Sample ID: LCS 300-1459/6
Matrix: Water
Analysis Batch: 1459

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	16.0	15.9		mg/L		99	80 - 120
Fluoride	4.00	3.98		mg/L		100	80 - 120
Sulfate	20.0	19.9		mg/L		99	80 - 120

Lab Sample ID: 300-1088-2 MS
Matrix: Water
Analysis Batch: 1459

Client Sample ID: B33BB9
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	27	D	3.20	30.0	D	mg/L		87	75 - 125

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Client: CH2M Hill Plateau Remediation Company
Project/Site: CH2M Hill Chemical

TestAmerica Job ID: 300-1088-1
SDG: WC0442

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 300-1088-2 MS
Matrix: Water
Analysis Batch: 1459

Client Sample ID: B33BB9
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	0.31	D	0.800	1.02	D	mg/L		89	75 - 125

Lab Sample ID: 300-1088-2 MS
Matrix: Water
Analysis Batch: 1459

Client Sample ID: B33BB9
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	140	D	10.0	151	D	mg/L		84	75 - 125

Lab Sample ID: 300-1088-2 DU
Matrix: Water
Analysis Batch: 1459

Client Sample ID: B33BB9
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chloride	27	D	27.0	D	mg/L		0.9	20
Fluoride	0.31	D	0.305	D	mg/L		0.8	20

Lab Sample ID: 300-1088-2 DU
Matrix: Water
Analysis Batch: 1459

Client Sample ID: B33BB9
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfate	140	D	142	D	mg/L		0.3	20

Lab Sample ID: 300-1088-2 MS
Matrix: Water
Analysis Batch: 1495

Client Sample ID: B33BB9
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	83	D	11.3	93.0	D	mg/L		93	75 - 125

Lab Sample ID: 300-1088-2 DU
Matrix: Water
Analysis Batch: 1495

Client Sample ID: B33BB9
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrate as N	83	D	82.3	D	mg/L		0.3	20

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 300-1483/22
Matrix: Water
Analysis Batch: 1483

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0015	U	0.0040	0.0015	mg/L			10/14/15 19:14	1

Client: CH2M Hill Plateau Remediation Company
 Project/Site: CH2M Hill Chemical

TestAmerica Job ID: 300-1088-1
 SDG: WC0442

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: LCS 300-1483/23
Matrix: Water
Analysis Batch: 1483

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	0.250	0.262		mg/L		105	80 - 120

Lab Sample ID: 300-1086-A-1 MS
Matrix: Water
Analysis Batch: 1483

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	0.024		0.0500	0.0762		mg/L		104	85 - 115

Lab Sample ID: 300-1086-A-1 DU
Matrix: Water
Analysis Batch: 1483

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cr (VI)	0.024		0.0244		mg/L		0.8	20

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October 27, 2015
QC Association Summary

Client: CH2M Hill Plateau Remediation Company
 Project/Site: CH2M Hill Chemical

TestAmerica Job ID: 300-1088-1
 SDG: WC0442

HPLC/IC

Analysis Batch: 1458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-1088-2	B33BB9	Total/NA	Water	300.0	
300-1088-2 DU	B33BB9	Total/NA	Water	300.0	
300-1088-2 MS	B33BB9	Total/NA	Water	300.0	
LCS 300-1458/6	Lab Control Sample	Total/NA	Water	300.0	
MB 300-1458/5	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 1459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-1088-2	B33BB9	Total/NA	Water	300.0	
300-1088-2	B33BB9	Total/NA	Water	300.0	
300-1088-2 DU	B33BB9	Total/NA	Water	300.0	
300-1088-2 DU	B33BB9	Total/NA	Water	300.0	
300-1088-2 MS	B33BB9	Total/NA	Water	300.0	
300-1088-2 MS	B33BB9	Total/NA	Water	300.0	
LCS 300-1459/6	Lab Control Sample	Total/NA	Water	300.0	
MB 300-1459/5	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 1495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-1088-2	B33BB9	Total/NA	Water	300.0	
300-1088-2 DU	B33BB9	Total/NA	Water	300.0	
300-1088-2 MS	B33BB9	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 1483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-1086-A-1 DU	Duplicate	Total/NA	Water	7196A	
300-1086-A-1 MS	Matrix Spike	Total/NA	Water	7196A	
300-1088-1	B33BC0	Total/NA	Water	7196A	
LCS 300-1483/23	Lab Control Sample	Total/NA	Water	7196A	
MB 300-1483/22	Method Blank	Total/NA	Water	7196A	

Client: CH2M Hill Plateau Remediation Company
 Project/Site: CH2M Hill Chemical

TestAmerica Job ID: 300-1088-1
 SDG: WC0442

Client Sample ID: B33BC0
Date Collected: 10/14/15 08:08
Date Received: 10/14/15 14:20

Lab Sample ID: 300-1088-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7196A		1			1483	10/14/15 19:20	AMC	TAL RCH

Client Sample ID: B33BB9
Date Collected: 10/14/15 08:08
Date Received: 10/14/15 14:20

Lab Sample ID: 300-1088-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2	10 mL		1458	10/14/15 18:24	CPM	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		1459	10/14/15 18:24	CPM	TAL RCH
Total/NA	Analysis	300.0		5	10 mL		1459	10/14/15 21:24	CPM	TAL RCH
Total/NA	Analysis	300.0		50	10 mL		1495	10/15/15 12:26	CPM	TAL RCH

Client Sample ID: Duplicate
Date Collected: 10/14/15 08:53
Date Received: 10/14/15 14:20

Lab Sample ID: 300-1086-A-1 DU
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7196A		1			1483	10/14/15 19:15	AMC	TAL RCH

Client Sample ID: B33BB9
Date Collected: 10/14/15 08:08
Date Received: 10/14/15 14:20

Lab Sample ID: 300-1088-2 DU
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2	10 mL		1458	10/14/15 18:54	CPM	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		1459	10/14/15 18:54	CPM	TAL RCH
Total/NA	Analysis	300.0		5	10 mL		1459	10/14/15 21:55	CPM	TAL RCH
Total/NA	Analysis	300.0		50	10 mL		1495	10/15/15 12:56	CPM	TAL RCH

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 300-1458/6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	10 mL		1458	10/14/15 18:09	CPM	TAL RCH

Client: CH2M Hill Plateau Remediation Company
 Project/Site: CH2M Hill Chemical

TestAmerica Job ID: 300-1088-1
 SDG: WC0442

Client Sample ID: Lab Control Sample
 Date Collected: N/A
 Date Received: N/A

Lab Sample ID: LCS 300-1459/6
 Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	10 mL		1459	10/14/15 18:09	CPM	TAL RCH

Client Sample ID: Lab Control Sample
 Date Collected: N/A
 Date Received: N/A

Lab Sample ID: LCS 300-1483/23
 Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7196A		1			1483	10/14/15 19:14	AMC	TAL RCH

Client Sample ID: Method Blank
 Date Collected: N/A
 Date Received: N/A

Lab Sample ID: MB 300-1458/5
 Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	10 mL		1458	10/14/15 17:54	CPM	TAL RCH

Client Sample ID: Method Blank
 Date Collected: N/A
 Date Received: N/A

Lab Sample ID: MB 300-1459/5
 Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	10 mL		1459	10/14/15 17:54	CPM	TAL RCH

Client Sample ID: Method Blank
 Date Collected: N/A
 Date Received: N/A

Lab Sample ID: MB 300-1483/22
 Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7196A		1			1483	10/14/15 19:14	AMC	TAL RCH

Client Sample ID: Matrix Spike
 Date Collected: 10/14/15 08:53
 Date Received: 10/14/15 14:20

Lab Sample ID: 300-1086-A-1 MS
 Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7196A		1		3.0 mL	1483	10/14/15 19:14	AMC	TAL RCH

Client: CH2M Hill Plateau Remediation Company
 Project/Site: CH2M Hill Chemical

TestAmerica Job ID: 300-1088-1
 SDG: WC0442

Client Sample ID: B33BB9

Lab Sample ID: 300-1088-2 MS

Date Collected: 10/14/15 08:08

Matrix: Water

Date Received: 10/14/15 14:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2	10 mL		1458	10/14/15 18:39	CPM	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		1459	10/14/15 18:39	CPM	TAL RCH
Total/NA	Analysis	300.0		5	10 mL		1459	10/14/15 21:39	CPM	TAL RCH
Total/NA	Analysis	300.0		50	10 mL		1495	10/15/15 12:41	CPM	TAL RCH

Laboratory References:

TAL RCH = TestAmerica Richland, 2800 George Washington Way, Richland, WA 99352, TEL (509)375-3131



Client: CH2M Hill Plateau Remediation Company
Project/Site: CH2M Hill Chemical

TestAmerica Job ID: 300-1088-1
SDG: WC0442

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	TAL RCH
7196A	Chromium, Hexavalent	SW846	TAL RCH

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL RCH = TestAmerica Richland, 2800 George Washington Way, Richland, WA 99352, TEL (509)375-3131



Client: CH2M Hill Plateau Remediation Company
Project/Site: CH2M Hill Chemical

TestAmerica Job ID: 300-1088-1
SDG: WC0442

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
300-1088-1	B33BC0	Water	10/14/15 08:08	10/14/15 14:20
300-1088-2	B33BB9	Water	10/14/15 08:08	10/14/15 14:20

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Login Sample Receipt Checklist

Client: CH2M Hill Plateau Remediation Company

Job Number: 300-1088-1
SDG Number: WC0442

Login Number: 1088
List Number: 1
Creator: Friesz, Jordan D

List Source: TestAmerica Richland

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

