

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: 300-1111-1  
TestAmerica Sample Delivery Group: WC0455  
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 3:43:06 PM  
Steven Campbell, Quality Assurance Assistant  
[steven.campbell@testamericainc.com](mailto:steven.campbell@testamericainc.com)

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



### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	2
Definitions/Glossary . . . . .	3
Case Narrative . . . . .	4
Chain of Custody . . . . .	5
Detection Summary . . . . .	8
Client Sample Results . . . . .	9
QC Sample Results . . . . .	10
QC Association Summary . . . . .	11
Lab Chronicle . . . . .	12
Method Summary . . . . .	14
Sample Summary . . . . .	15
Receipt Checklists . . . . .	16

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

TestAmerica Job ID: 300-1111-1  
 SDG: WC0455

## Qualifiers

### 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: 300-1111-1  
SDG: WC0455

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**Job ID: 300-1111-1**

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**Laboratory: TestAmerica Richland**

**Narrative**

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**Job Narrative  
300-1111-1**

**Comments**

No additional comments.

**Receipt**

The samples were received on 10/15/2015 12:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 13.0° C.

**General Chemistry**

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #  
**X16-001-175**  
Page 1 of 1

Collector	S.W. King/CHPRC	Contact/Requester	Karen Waters-Husted	Telephone No.	509-376-4650
SAF No.	X16-001	Sampling Origin	Hanford Site	Purchase Order/Charge Code	303269
Project Title	100-BC-5 RI, OCTOBER 2015	Logbook No.	HNF-N-506 <u>TR/57</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
<b>POSSIBLE SAMPLE HAZARDS/REMARKS</b>			<b>SPECIAL INSTRUCTIONS</b>		
*** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1			Submit deliverables & invoices to CPP Sample Management		
Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					

Sample No.	Filter	* Date	Time	No./Type Container	Sample Analysis	Sample Analysis	Hold Time	Preservative
B32VB6	Y	OCT 15 2015	0947	1x60-ml aG	7196_CR6: COMMON	7196_CR6: COMMON	24 Hours	Cool <=6C
B32VB5	N	W	↓	1x60-ml aG	7196_CR6: COMMON	7196_CR6: COMMON	24 Hours	Cool <=6C

#11111  
W20455  
Date 10-30-15



300-1111 COC

Relinquished By	Print <i>S.W. King</i> Sign	Date/Time	OCT 15 2015 1115	Received By	Print <i>J.R. Zunker</i> Sign	Date/Time	OCT 15 2015 1115
Relinquished By	Print <i>J.R. Zunker</i> Sign	Date/Time	OCT 15 2015 1200	Received By	Print <i>J. Friesz</i> Sign	Date/Time	OCT 15 2015 1200

Matrix *	
S	= Soil
SE	= Sediment
SO	= Solid
SL	= Sludge
W	= Water
O	= Oil
A	= Air
DS	= Drum Solids
DL	= Drum Liquids
T	= Tissue
WI	= Wipe
L	= Liquid
V	= Vegetation
X	= Other

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

C.O.C. #  
**X16-001-183**  
Page 1 of 1

Collector	<b>S.W. King/CHPRC</b>	Contact/Requester	Karen Waters-Husted	Telephone No.	509-376-4650
SAF No.	X16-001	Sampling Origin	Hanford Site	Purchase Order/Charge Code	303269
Project Title	100-BC-5 RI, OCTOBER 2015	Logbook No.	HNF-N-506 <b>78/57</b>	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:	<b>15 Days</b>	Offsite Property No.	N/A
<b>POSSIBLE SAMPLE HAZARDS/REMARKS</b>			<b>SPECIAL INSTRUCTIONS</b>		
*** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1			Hold Time		
			Submit deliverables & invoices to CPP Sample Management.		
			Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		

Sample No.	Filter	*	Date	Time	No./Type Container	Sample Analysis	Holding Time	Preservative
B32VD7	N		<b>OCT 15 2015</b>	<b>0904</b>	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C
B32VD9	Y	W			1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C

October 27, 2015

*Handwritten:*  
# 1111  
w/COISS  
Date 10-30-15

Relinquished By	Print <b>S.W. King/CHPRC</b>	Sign <i>[Signature]</i>	Date/Time <b>OCT 15 2015 1115</b>	Received By	Print <b>J.R. Zunker/CHPRC</b>	Sign <i>[Signature]</i>	Date/Time <b>OCT 15 2015 1115</b>	Matrix *
Relinquished By	Print <b>J.R. Zunker/CHPRC</b>	Sign <i>[Signature]</i>	Date/Time <b>OCT 15 2015 1200</b>	Received By	Print <b>J. Htesz, TAP1</b>	Sign <i>[Signature]</i>	Date/Time <b>OCT 15 2015 1200</b>	S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air DS = Drum Solids DL = Drum Liquids T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other
Relinquished By			Date/Time	Received By			Date/Time	

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

Disposed By \_\_\_\_\_ Date/Time \_\_\_\_\_

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #  
**X16-001-182**  
Page 1 of 1

Collector	S.W. Kang/CHPRC	Contact/Requester	Karen Waters-Husted	Telephone No.	509-376-4650
SAF No.	X16-001	Sampling Origin	Hanford Site	Purchase Order/Charge Code	303269
Project Title	100-BC-5 RI, OCTOBER 2015	Logbook No.	HNF-N-50678 / 57	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
<b>POSSIBLE SAMPLE HAZARDS/REMARKS</b>			<b>SPECIAL INSTRUCTIONS</b>		
*** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1			Submit deliverables & invoices to CCP Sample Management.		
Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			Hold Time		

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B32VD6	N	W	OCT 15 2015	0715	1x60-ml aG	7196_CR6: COMMON	24 Hours	Cool <=6C
B32VD8	Y	W	↓	↓	1x60-ml aG	7196_CR6: COMMON	24 Hours	Cool <=6C

October 27, 2015

# 1111  
WCD455  
Due 10-30-15

Relinquished By	Print <i>[Signature]</i> S.W. Kang/CHPRC	Sign <i>[Signature]</i> S.W. Kang/CHPRC	Date/Time OCT 15 2015 1115	Received By	Print <i>[Signature]</i> J.R. Zambora/CHPRC	Sign <i>[Signature]</i> J.R. Zambora/CHPRC	Date/Time OCT 15 2015 1115	Matrix * S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air DS = Drum Solids DL = Drum Liquids T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other
Relinquished By	Print <i>[Signature]</i> J.R. Zambora/CHPRC	Sign <i>[Signature]</i> J.R. Zambora/CHPRC	Date/Time OCT 15 2015 1200	Received By	Print <i>[Signature]</i> J. Friesz, TART	Sign <i>[Signature]</i> J. Friesz, TART	Date/Time OCT 15 2015	
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
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October 27, 2015  
**Detection Summary**

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

TestAmerica Job ID: 300-1111-1  
SDG: WC0455

**Client Sample ID: B32VB6**

**Lab Sample ID: 300-1111-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.013		0.0040	0.0015	mg/L	1		7196A	Total/NA

**Client Sample ID: B32VB5**

**Lab Sample ID: 300-1111-2**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.014		0.0040	0.0015	mg/L	1		7196A	Total/NA

**Client Sample ID: B32VD7**

**Lab Sample ID: 300-1111-3**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.0080		0.0040	0.0015	mg/L	1		7196A	Total/NA

**Client Sample ID: B32VD9**

**Lab Sample ID: 300-1111-4**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.015		0.0040	0.0015	mg/L	1		7196A	Total/NA

**Client Sample ID: B32VD6**

**Lab Sample ID: 300-1111-5**

No Detections.

**Client Sample ID: B32VD8**

**Lab Sample ID: 300-1111-6**

No Detections.

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: 300-1111-1  
 SDG: WC0455

**Client Sample ID: B32VB6**  
 Date Collected: 10/15/15 09:47  
 Date Received: 10/15/15 12:00

**Lab Sample ID: 300-1111-1**  
 Matrix: Water

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.013		0.0040	0.0015	mg/L			10/15/15 16:47	1

**Client Sample ID: B32VB5**  
 Date Collected: 10/15/15 09:47  
 Date Received: 10/15/15 12:00

**Lab Sample ID: 300-1111-2**  
 Matrix: Water

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.014		0.0040	0.0015	mg/L			10/15/15 16:48	1

**Client Sample ID: B32VD7**  
 Date Collected: 10/15/15 09:04  
 Date Received: 10/15/15 12:00

**Lab Sample ID: 300-1111-3**  
 Matrix: Water

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0080		0.0040	0.0015	mg/L			10/15/15 16:48	1

**Client Sample ID: B32VD9**  
 Date Collected: 10/15/15 09:04  
 Date Received: 10/15/15 12:00

**Lab Sample ID: 300-1111-4**  
 Matrix: Water

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.015		0.0040	0.0015	mg/L			10/15/15 16:49	1

**Client Sample ID: B32VD6**  
 Date Collected: 10/15/15 07:15  
 Date Received: 10/15/15 12:00

**Lab Sample ID: 300-1111-5**  
 Matrix: Water

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0015	U	0.0040	0.0015	mg/L			10/15/15 16:49	1

**Client Sample ID: B32VD8**  
 Date Collected: 10/15/15 07:15  
 Date Received: 10/15/15 12:00

**Lab Sample ID: 300-1111-6**  
 Matrix: Water

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0015	U	0.0040	0.0015	mg/L			10/15/15 16:49	1

October 27, 2015  
**QC Sample Results**

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

TestAmerica Job ID: 300-1111-1  
SDG: WC0455

**Method: 7196A - Chromium, Hexavalent**

**Lab Sample ID: MB 300-1506/3**  
**Matrix: Water**  
**Analysis Batch: 1506**

**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	-		10/15/15 16:44	1

**Lab Sample ID: LCS 300-1506/4**  
**Matrix: Water**  
**Analysis Batch: 1506**

**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	0.255		mg/L	-	102	80 - 120

**Lab Sample ID: 300-1111-1 MS**  
**Matrix: Water**  
**Analysis Batch: 1506**

**Client Sample ID: B32VB6**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	0.013		0.0500	0.0640		mg/L	-	101	85 - 115

**Lab Sample ID: 300-1111-1 DU**  
**Matrix: Water**  
**Analysis Batch: 1506**

**Client Sample ID: B32VB6**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cr (VI)	0.013		0.0137		mg/L	-	2	20

October 27, 2015  
QC Association Summary

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

TestAmerica Job ID: 300-1111-1  
SDG: WC0455

General Chemistry

Analysis Batch: 1506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-1111-1	B32VB6	Total/NA	Water	7196A	
300-1111-1 DU	B32VB6	Total/NA	Water	7196A	
300-1111-1 MS	B32VB6	Total/NA	Water	7196A	
300-1111-2	B32VB5	Total/NA	Water	7196A	
300-1111-3	B32VD7	Total/NA	Water	7196A	
300-1111-4	B32VD9	Total/NA	Water	7196A	
300-1111-5	B32VD6	Total/NA	Water	7196A	
300-1111-6	B32VD8	Total/NA	Water	7196A	
LCS 300-1506/4	Lab Control Sample	Total/NA	Water	7196A	
MB 300-1506/3	Method Blank	Total/NA	Water	7196A	

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

TestAmerica Job ID: 300-1111-1  
 SDG: WC0455

**Client Sample ID: B32VB6**  
**Date Collected: 10/15/15 09:47**  
**Date Received: 10/15/15 12:00**

**Lab Sample ID: 300-1111-1**  
**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			1506	10/15/15 16:47	AMC	TAL RCH

**Client Sample ID: B32VB5**  
**Date Collected: 10/15/15 09:47**  
**Date Received: 10/15/15 12:00**

**Lab Sample ID: 300-1111-2**  
**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	7196A		1			1506	10/15/15 16:48	AMC	TAL RCH

**Client Sample ID: B32VD7**  
**Date Collected: 10/15/15 09:04**  
**Date Received: 10/15/15 12:00**

**Lab Sample ID: 300-1111-3**  
**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			1506	10/15/15 16:48	AMC	TAL RCH

**Client Sample ID: B32VD9**  
**Date Collected: 10/15/15 09:04**  
**Date Received: 10/15/15 12:00**

**Lab Sample ID: 300-1111-4**  
**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			1506	10/15/15 16:49	AMC	TAL RCH

**Client Sample ID: B32VD6**  
**Date Collected: 10/15/15 07:15**  
**Date Received: 10/15/15 12:00**

**Lab Sample ID: 300-1111-5**  
**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	7196A		1			1506	10/15/15 16:49	AMC	TAL RCH

**Client Sample ID: B32VD8**  
**Date Collected: 10/15/15 07:15**  
**Date Received: 10/15/15 12:00**

**Lab Sample ID: 300-1111-6**  
**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	7196A		1			1506	10/15/15 16:49	AMC	TAL RCH

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

TestAmerica Job ID: 300-1111-1  
 SDG: WC0455

**Client Sample ID: B32VB6**  
**Date Collected: 10/15/15 09:47**  
**Date Received: 10/15/15 12:00**

**Lab Sample ID: 300-1111-1 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			1506	10/15/15 16:48	AMC	TAL RCH

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

**Lab Sample ID: LCS 300-1506/4**  
**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			1506	10/15/15 16:44	AMC	TAL RCH

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

**Lab Sample ID: MB 300-1506/3**  
**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			1506	10/15/15 16:44	AMC	TAL RCH

**Client Sample ID: B32VB6**  
**Date Collected: 10/15/15 09:47**  
**Date Received: 10/15/15 12:00**

**Lab Sample ID: 300-1111-1 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	1506	10/15/15 16:45	AMC	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: 300-1111-1  
SDG: WC0455

Method	Method Description	Protocol	Laboratory
7196A	Chromium, Hexavalent	SW846	TAL RCH

**Protocol References:**

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: 300-1111-1  
SDG: WC0455

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
300-1111-1	B32VB6	Water	10/15/15 09:47	10/15/15 12:00
300-1111-2	B32VB5	Water	10/15/15 09:47	10/15/15 12:00
300-1111-3	B32VD7	Water	10/15/15 09:04	10/15/15 12:00
300-1111-4	B32VD9	Water	10/15/15 09:04	10/15/15 12:00
300-1111-5	B32VD6	Water	10/15/15 07:15	10/15/15 12:00
300-1111-6	B32VD8	Water	10/15/15 07:15	10/15/15 12:00

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

Login Sample Receipt Checklist

Client: CH2M Hill Plateau Remediation Company

Job Number: 300-1111-1

SDG Number: WC0455

**Login Number: 1111**

**List Number: 1**

**Creator: Bock, Julie A**

**List Source: TestAmerica Richland**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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 <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

