

April 3, 2018

REV. 1

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: 300-6788-1
TestAmerica Sample Delivery Group: WC2711
Client Project/Site: W18-002

For:
CH2M Hill Plateau Remediation Company
825 Jadwin Avenue
Richland, Washington 99352

Attn: CPP Sample Management



Authorized for release by:
2/20/2018 1:40:16 PM

Ashley Worthy, Project Manager I
(509)375-3131
ashley.worthy@testamericainc.com

LINKS

Review your project
results through
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Visit us at:
www.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.

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SAMPLE ISSUE RESOLUTION (SIR) REPORT	SIR Number: SIR18-0607 Rev. Number: 0 Date Initiated: 04/03/2018
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SAMPLE EVENT INFORMATION

SAF NUM(S): W18-002
LABORATORY: TARL

SAMPLING INFORMATION

NUMBER OF SAMPLES: 2
SAMPLE NUMBERS: B3H381, B3H3M9
SAMPLE MATRIX: WATER
SDG NUM(S): WC2711

ISSUE BACKGROUND

CLASS: Chain of Custody Issue (Field)
TYPE: No/Illegible Relinquisher/Receiver Listed on COC
DESCRIPTION: COC W18-002-106, SAMPLE: B3H381; printed name missing in the second received by box.
 COC W18-002-124, SAMPLE: B3H3M9; printed name and signature missing in the first received by box.

RESOLUTION

PROPOSED RESOLUTION: DOCUMENT AND CLOSE

FINAL RESOLUTION: DOCUMENT AND CLOSE

SUBMITTED BY:

CUTSFORTH, EC 03/07/2018

ACCEPTED BY:

HEY, BE 04/03/2018

Client: CH2M Hill Plateau Remediation Company
Project/Site: W18-002

TestAmerica Job ID: 300-6788-1
SDG: WC2711

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.
□	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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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: W18-002

TestAmerica Job ID: 300-6788-1
SDG: WC2711

Job ID: 300-6788-1

Laboratory: TestAmerica Richland

Narrative

**Job Narrative
300-6788-1**

Comments

No additional comments.

Receipt

The samples were received on 2/13/2018 2:05 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 6.1° C.

General Chemistry

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



CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				C.O.C.# W18-002-106		
						Page 1 of 1		
Collector: Juan Aguilar /CHPRC		Contact/Requester: Karen Waters-Husted		Telephone No.: 509-376-4650				
SAF No.: W18-002		Sampling Origin: Hanford Site		Purchase Order/Charge Code: 300071				
Project Title: RCRA, February 2018		Logbook No.: HNF-N-506 ~95193		Ice Chest No.: N/A				
Shipped To (Lab): TestAmerica Incorporated, Rich		Method of Shipment: GOVERNMENT VEHICLE		Bill of Lading/Air Bill No.: N/A				
Protocol: RCRA		Priority: 30 Days		Offsite Property No.: N/A				
POSSIBLE SAMPLE HAZARDS/REMARK ** ** 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					SPECIAL INSTRUCTIONS N/A			
Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B3H381	N	W	2-13-18	1247	.1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C

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300-6788 COC

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Relinquished By: <u>Juan Aguilar</u> <u>FEB 13 2018</u> <u>1304</u> Print First and Last Name Signature Date/Time			Received By: <u>Troy Bacon</u> <u>FEB 13 2018</u> <u>1306</u> Print First and Last Name Signature Date/Time			Matrix * S = Soil DS = Drum Solids SE = Sediment DL = Drum Liquid SO = Solid T = Tissue SL = Sludge WI = Wipe W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other
Relinquished By: <u>Troy Bacon</u> <u>FEB 13 2018</u> <u>1405</u> Print First and Last Name Signature Date/Time			Received By: <u>Troy Bacon</u> <u>2-13-18/1405</u> Print First and Last Name Signature Date/Time			
Relinquished By: _____ Print First and Last Name Signature Date/Time			Received By: _____ Print First and Last Name Signature Date/Time			
Relinquished By: _____ Print First and Last Name Signature Date/Time			Received By: _____ Print First and Last Name Signature Date/Time			
FINAL SAMPLE DISPOSITION		Disposal Method (e.g., Return to customer, per lab procedure, used in process):			Disposed By: _____ Date/Time: _____	

CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				C.O.C.# W18-002-126		
						Page 1 of 1		
Collector: Juan Aguilar /CHPRC		Contact/Requester: Karen Waters-Husted		Telephone No.: 509-376-4650				
SAF No.: W18-002		Sampling Origin: Hanford Site		Purchase Order/Charge Code: 300071				
Project Title: RCRA, February 2018		Logbook No.: HNF-N-506 -95193		Ice Chest No.: N/A				
Shipped To (Lab): TestAmerica Incorporated, Rich		Method of Shipment: GOVERNMENT VEHICLE		Bill of Lading/Air Bill No.: N/A				
Protocol: RCRA		Priority: 30 Days		Offsite Property No.: N/A				
POSSIBLE SAMPLE HAZARDS/REMARK ** ** 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				SPECIAL INSTRUCTIONS N/A				
Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B3H3N4	N	W	2-13-18	1027	1x60-mL aG-	7196_CR6: COMMON	24 Hours	Cool <=6C

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Relinquished By: Juan Aguilar /CHPRC <i>[Signature]</i> Print First and Last Name	<i>[Signature]</i> Signature	FEB 13 2018 Date/Time	1120 Date/Time	Received By: Troy Bacon /CHPRC <i>[Signature]</i> Print First and Last Name	<i>[Signature]</i> Signature	FEB 13 2018 Date/Time	1120 Date/Time	Matrix * S = Soil DS = Drum Solids SE = Sediment DL = Drum Liquid SO = Solid T = Tissue SL = Sludge WI = Wipe W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other
Relinquished By: Troy Bacon /CHPRC <i>[Signature]</i> Print First and Last Name	<i>[Signature]</i> Signature	FEB 13 2018 Date/Time	1405 Date/Time	Received By: J. Bock, TARL <i>[Signature]</i> Print First and Last Name	<i>[Signature]</i> Signature	2-13-18 Date/Time	1405 Date/Time	
Relinquished By:	Signature	Date/Time		Received By:	Signature	Date/Time		
Relinquished By:	Signature	Date/Time		Received By:	Signature	Date/Time		
FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process):				Disposed By:		Date/Time:	

CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				C.O.C.# W18-002-122		
						Page 1 of 1		
Collector: Juan Aguilar CHPRC		Contact/Requester: Karen Waters-Husted		Telephone No.: 509-376-4650				
SAF No.: W18-002		Sampling Origin: Hanford Site		Purchase Order/Charge Code: 300071				
Project Title: RCRA, February 2018		Logbook No.: HNF-N-506-95/93		Ice Chest No.: N/A				
Shipped To (Lab): TestAmerica Incorporated, Rich		Method of Shipment: GOVERNMENT VEHICLE		Bill of Lading/Air Bill No.: N/A				
Protocol: RCRA		Priority: 30 Days		Offsite Property No.: N/A				
POSSIBLE SAMPLE HAZARDS/REMARK ** ** 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				SPECIAL INSTRUCTIONS <u>Low Volume Wells. Do not use for QC.</u>				
Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B3H3M4	N	W	2-13-18	0947	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C

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02711

Relinquished By: Juan Aguilar CHPRC Print First and Last Name Signature Date/Time			FEB 13 2018 1120			Received By: Troy Bacon CHPRC Print First and Last Name Signature Date/Time			FEB 13 2018 1120			Matrix * S = Soil DS = Drum Solids SE = Sediment DL = Drum Liquid SO = Solid T = Tissue SL = Sludge WI = Wipe W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other		
Relinquished By: Troy Bacon CHPRC Print First and Last Name Signature Date/Time			Troy L. Bacon FEB 13 2018 1405			Received By: Josh Print First and Last Name Signature Date/Time			J. Bock, TARL 2-13-18 /MOS					
Relinquished By:			Print First and Last Name Signature Date/Time			Received By:			Print First and Last Name Signature Date/Time					
Relinquished By:			Print First and Last Name Signature Date/Time			Received By:			Print First and Last Name Signature Date/Time					
FINAL SAMPLE DISPOSITION			Disposal Method (e.g., Return to customer, per lab procedure, used in process):						Disposed By:					

CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				C.O.C.# W18-002-124		
						Page 1 of 1		
Collector: Juan Aguilar /CHPRC		Contact/Requester: Karen Waters-Husted		Telephone No.: 509-376-4650				
SAF No.: W18-002		Sampling Origin: Hanford Site		Purchase Order/Charge Code: 300071				
Project Title: RCRA, February 2018		Logbook No.: HNF-N-506-95/93		Ice Chest No.: N/A				
Shipped To (Lab): TestAmerica Incorporated, Rich		Method of Shipment: GOVERNMENT VEHICLE		Bill of Lading/Air Bill No.: N/A				
Protocol: RCRA		Priority: 30 Days		Offsite Property No.: N/A				
POSSIBLE SAMPLE HAZARDS/REMARK ** ** 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				SPECIAL INSTRUCTIONS Low Volume Wells. Do not use for QC				
Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B3H3M9	N	W	2-13-18	1108	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C

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Relinquished By: <u>[Signature]</u> /CHPRC	FEB 13 2018	1120	Received By:	FEB 13 2018	1120	Matrix * S = Soil DS = Drum Solids SE = Sediment DL = Drum Liquid SO = Solid T = Tissue SL = Sludge WI = Wipe W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other
Print First and Last Name	Signature	Date/Time	Print First and Last Name	Signature	Date/Time	
Relinquished By: Troy Bacon /CHPRC	FEB 13 2018	1105	Received By: <u>[Signature]</u> J. Bock, TARI	2-13-18	1105	
Print First and Last Name	Signature	Date/Time	Print First and Last Name	Signature	Date/Time	
Relinquished By:			Received By:			
Print First and Last Name	Signature	Date/Time	Print First and Last Name	Signature	Date/Time	
Relinquished By:			Received By:			
Print First and Last Name	Signature	Date/Time	Print First and Last Name	Signature	Date/Time	
FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process):				Disposed By:	Date/Time:

CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				C.O.C.# W18-002-128		
						Page 1 of 1		
Collector: Juan Aguilar CHPRC		Contact/Requester: Karen Waters-Husted		Telephone No.: 509-376-4650				
SAF No.: W18-002		Sampling Origin: Hanford Site		Purchase Order/Charge Code: 300071				
Project Title: RCRA, February 2018		Logbook No.: HNF-N-506-95/93		Ice Chest No.: N/A				
Shipped To (Lab): TestAmerica Incorporated, Rich		Method of Shipment: GOVERNMENT VEHICLE		Bill of Lading/Air Bill No.: N/A				
Protocol: RCRA		Priority: 30 Days		Offsite Property No.: N/A				
POSSIBLE SAMPLE HAZARDS/REMARK ** ** 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				SPECIAL INSTRUCTIONS N/A				
Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B3H3N8	N	W	2-13-18	0811	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C

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Relinquished By: Juan Aguilar CHPRC		FEB 13 2018	1120	Received By: Troy Bacon CHPRC		FEB 13 2018	1120	Matrix * S = Soil DS = Drum Solids SE = Sediment DL = Drum Liquid SO = Solid T = Tissue SL = Sludge WI = Wipe W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other
Relinquished By: Troy Bacon CHPRC		FEB 13 2018	1405	Received By: J. Bock, TARL		2-13-18	1405	
Relinquished By:				Received By:				
Relinquished By:				Received By:				
FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process):				Disposed By:		Date/Time:	

April 3, 2018
Detection Summary

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Client: CH2M Hill Plateau Remediation Company
Project/Site: W18-002

TestAmerica Job ID: 300-6788-1
SDG: WC2711

Client Sample ID: B3H381

Lab Sample ID: 300-6788-1

No Detections.

Client Sample ID: B3H3N4

Lab Sample ID: 300-6788-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.026		0.0040	0.0015	mg/L	1		7196A	Total/NA

Client Sample ID: B3H3M4

Lab Sample ID: 300-6788-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.020		0.0040	0.0015	mg/L	1		7196A	Total/NA

Client Sample ID: B3H3M9

Lab Sample ID: 300-6788-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.035		0.0040	0.0015	mg/L	1		7196A	Total/NA

Client Sample ID: B3H3N8

Lab Sample ID: 300-6788-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.035		0.0040	0.0015	mg/L	1		7196A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Richland

Client: CH2M Hill Plateau Remediation Company
Project/Site: W18-002

TestAmerica Job ID: 300-6788-1
SDG: WC2711

Client Sample ID: B3H381

Lab Sample ID: 300-6788-1

Date Collected: 02/13/18 12:47

Matrix: Water

Date Received: 02/13/18 14:05

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0015	U	0.0040	0.0015	mg/L			02/13/18 15:36	1

Client Sample ID: B3H3N4

Lab Sample ID: 300-6788-2

Date Collected: 02/13/18 10:27

Matrix: Water

Date Received: 02/13/18 14:05

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.026		0.0040	0.0015	mg/L			02/13/18 15:36	1

Client Sample ID: B3H3M4

Lab Sample ID: 300-6788-3

Date Collected: 02/13/18 09:47

Matrix: Water

Date Received: 02/13/18 14:05

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.020		0.0040	0.0015	mg/L			02/13/18 15:37	1

Client Sample ID: B3H3M9

Lab Sample ID: 300-6788-4

Date Collected: 02/13/18 11:08

Matrix: Water

Date Received: 02/13/18 14:05

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.035		0.0040	0.0015	mg/L			02/13/18 15:39	1

Client Sample ID: B3H3N8

Lab Sample ID: 300-6788-5

Date Collected: 02/13/18 08:11

Matrix: Water

Date Received: 02/13/18 14:05

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.035		0.0040	0.0015	mg/L			02/13/18 15:40	1

Client: CH2M Hill Plateau Remediation Company
 Project/Site: W18-002

TestAmerica Job ID: 300-6788-1
 SDG: WC2711

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 300-10434/3
Matrix: Water
Analysis Batch: 10434

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			02/13/18 15:27	1

Lab Sample ID: LCS 300-10434/4
Matrix: Water
Analysis Batch: 10434

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	0.260		mg/L		104	80 - 120

Lab Sample ID: 300-6786-A-2 MS
Matrix: Water
Analysis Batch: 10434

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)	0.021		0.0501	0.0721		mg/L		103	75 - 125

Lab Sample ID: 300-6786-A-2 DU
Matrix: Water
Analysis Batch: 10434

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cr (VI)	0.021		0.0206		mg/L		0.5	20

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Client: CH2M Hill Plateau Remediation Company
 Project/Site: W18-002

TestAmerica Job ID: 300-6788-1
 SDG: WC2711

General Chemistry

Analysis Batch: 10434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-6788-1	B3H381	Total/NA	Water	7196A	
300-6788-2	B3H3N4	Total/NA	Water	7196A	
300-6788-3	B3H3M4	Total/NA	Water	7196A	
300-6788-4	B3H3M9	Total/NA	Water	7196A	
300-6788-5	B3H3N8	Total/NA	Water	7196A	
MB 300-10434/3	Method Blank	Total/NA	Water	7196A	
LCS 300-10434/4	Lab Control Sample	Total/NA	Water	7196A	
300-6786-A-2 MS	Matrix Spike	Total/NA	Water	7196A	
300-6786-A-2 DU	Duplicate	Total/NA	Water	7196A	

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Client: CH2M Hill Plateau Remediation Company
Project/Site: W18-002

TestAmerica Job ID: 300-6788-1
SDG: WC2711

Client Sample ID: B3H381

Lab Sample ID: 300-6788-1

Date Collected: 02/13/18 12:47

Matrix: Water

Date Received: 02/13/18 14:05

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			10434	02/13/18 15:36	TRH	TAL RCH

Client Sample ID: B3H3N4

Lab Sample ID: 300-6788-2

Date Collected: 02/13/18 10:27

Matrix: Water

Date Received: 02/13/18 14:05

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			10434	02/13/18 15:36	TRH	TAL RCH

Client Sample ID: B3H3M4

Lab Sample ID: 300-6788-3

Date Collected: 02/13/18 09:47

Matrix: Water

Date Received: 02/13/18 14:05

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			10434	02/13/18 15:37	TRH	TAL RCH

Client Sample ID: B3H3M9

Lab Sample ID: 300-6788-4

Date Collected: 02/13/18 11:08

Matrix: Water

Date Received: 02/13/18 14:05

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			10434	02/13/18 15:39	TRH	TAL RCH

Client Sample ID: B3H3N8

Lab Sample ID: 300-6788-5

Date Collected: 02/13/18 08:11

Matrix: Water

Date Received: 02/13/18 14:05

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			10434	02/13/18 15:40	TRH	TAL RCH

Client Sample ID: Method Blank

Lab Sample ID: MB 300-10434/3

Date Collected: N/A

Matrix: Water

Date Received: N/A

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			10434	02/13/18 15:27	TRH	TAL RCH

Client: CH2M Hill Plateau Remediation Company
Project/Site: W18-002

TestAmerica Job ID: 300-6788-1
SDG: WC2711

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 300-10434/4

Date Collected: N/A

Matrix: Water

Date Received: N/A

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			10434	02/13/18 15:27	TRH	TAL RCH

Client Sample ID: Matrix Spike

Lab Sample ID: 300-6786-A-2 MS

Date Collected: 02/13/18 11:34

Matrix: Water

Date Received: 02/13/18 14:05

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			10434	02/13/18 15:27	TRH	TAL RCH

Client Sample ID: Duplicate

Lab Sample ID: 300-6786-A-2 DU

Date Collected: 02/13/18 11:34

Matrix: Water

Date Received: 02/13/18 14:05

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			10434	02/13/18 15:30	TRH	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: W18-002

TestAmerica Job ID: 300-6788-1
SDG: WC2711

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: W18-002

TestAmerica Job ID: 300-6788-1
SDG: WC2711

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
300-6788-1	B3H381	Water	02/13/18 12:47	02/13/18 14:05
300-6788-2	B3H3N4	Water	02/13/18 10:27	02/13/18 14:05
300-6788-3	B3H3M4	Water	02/13/18 09:47	02/13/18 14:05
300-6788-4	B3H3M9	Water	02/13/18 11:08	02/13/18 14:05
300-6788-5	B3H3N8	Water	02/13/18 08:11	02/13/18 14:05

- 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: 300-6788-1

SDG Number: WC2711

Login Number: 6788

List Number: 1

Creator: Jorgenson, Briana F

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.	N/A	
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 (excluding tests with immediate HTs)	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.	True	
Residual Chlorine Checked.	N/A	

