

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: 300-6675-1
TestAmerica Sample Delivery Group: WC2654
Client Project/Site: W18-001

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

Attn: CPP Sample Management



Authorized for release by:
1/19/2018 9:50:00 AM

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

LINKS

Review your project results through
TotalAccess

Have a Question?



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: SIR18-0590
Rev. Number: 0
Date Initiated: 03/30/2018

SAMPLE EVENT INFORMATION

SAF NUM(S): W18-001
LABORATORY: TARL

SAMPLING INFORMATION

NUMBER OF SAMPLES: 2
SAMPLE NUMBERS: B3FRJ5, B3FRJ8
SAMPLE MATRIX: WATER
SDG NUM(S): WC2654

ISSUE BACKGROUND

CLASS: Chain of Custody Issue (Field)
TYPE: No/Illegible Relinquish/Receipt Date/Time
DESCRIPTION: COC W18-001-172, SAMPLE B3FRJ8 & B3FRJ5; Missing date in the first relinquished by box

RESOLUTION

PROPOSED RESOLUTION: DOCUMENT AND CLOSE

FINAL RESOLUTION: DOCUMENT AND CLOSE

SUBMITTED BY:

KESSINGER, AL

02/26/2018

ACCEPTED BY:

KILLAND, KE

03/30/2018



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Client: CH2M Hill Plateau Remediation Company
Project/Site: W18-001TestAmerica Job ID: 300-6675-1
SDG: WC2654

Qualifiers

HPLC/IC

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

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	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: W18-001

TestAmerica Job ID: 300-6675-1
SDG: WC2654

Job ID: 300-6675-1

Laboratory: TestAmerica Richland

Narrative

**Job Narrative
300-6675-1**

Comments

No additional comments.

Receipt

The samples were received on 1/15/2018 3:30 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.

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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CH2M Hill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C.# W18-001-170
		Page 1 of 1

REV 1

Collector: Barbara Briggs ICHPRC	Contact/Requester: Karen Waters-Husted	Telephone No.: 509-376-4650
SAF No.: W18-001	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 300071
Project Title: RCRA, JANUARY 2018	Logbook No.: HNF-N-506 -95 pg. 78	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
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Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B3FRJ2	Y	W	1/15/18	1348	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C
B3FRH9	N	W	1/15/18	1346	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C

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300-6675 COC

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Relinquished By: Barbara Briggs Print First and Last Name Signature Date/Time JAN 15 2018 1445	Received By: Jeff Lucas Print First and Last Name Signature Date/Time JAN 15 2018 1445	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: Jeff Lucas Print First and Last Name Signature Date/Time JAN 15 2018 1530	Received By: B. Jorgenson, TARL Print First and Last Name Signature Date/Time 1-15-18/1530		
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.# W18-001-172		
						Page 1 of 1		
Collector: Barbara Briggs /CHPRC		Contact/Requester: Karen Waters-Husted		Telephone No.: 509-376-4650				
SAF No.: W18-001		Sampling Origin: Hanford Site		Purchase Order/Charge Code: 300071				
Project Title: RCRA, JANUARY 2018		Logbook No.: HNF-N-506 -95 pg. 78		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
B3FRJ8	Y	W	1/15/18	1232	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C
B3FRJ5	N	W	1/15/18	1232	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C

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Relinquished By: <i>Barbara Briggs</i> Print First and Last Name Signature Date/Time 1445			Received By: <i>Jeff Lucas</i> Print First and Last Name Signature Date/Time JAN 15 2018 1445			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: <i>Jeff Lucas</i> Print First and Last Name Signature Date/Time JAN 15 2018 1530			Received By: <i>B. Jorgenson</i> Print First and Last Name Signature Date/Time 1-15-18/1530			
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. # W18-001-238		
							Page 1 of 1		
Collector: Juan Aguilar ICHPRC		Contact/Requester: Karen Waters-Husted			Telephone No.: 509-376-4650				
SAF No.: W18-001		Sampling Origin: Hanford Site			Purchase Order/Charge Code: 300071				
Project Title: RCRA, JANUARY 2018		Logbook No.: HNF-N-506-98/24			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
B3FR98	N	W	1-15-18	1241	1x125-mL P	300.0_ANIONS_IC: COMMON		48 Hours	Cool <=6C

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Relinquished By: <u>Juan Aguilar</u> ICHPRC Signature: _____ Date/Time: <u>-JAN 15 2018 1420</u>		Received By: <u>SSA #1</u> Signature: _____ Date/Time: <u>JAN 15 2018 1420</u>		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>Jeff Lucas</u> ICHPRC Signature: _____ Date/Time: <u>JAN 15 2018 1530</u>		Received By: <u>B. Jorgenson, TARL</u> Signature: _____ Date/Time: <u>1-15-18/1530</u>			
Relinquished By: _____ Signature: _____ Date/Time: _____		Received By: _____ Signature: _____ 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.# W18-001-240		
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Collector: Juan Aguilar /CHPRC	Contact/Requester: Karen Waters-Husted	Telephone No.: 509-376-4650						
SAF No.: W18-001	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 300071						
Project Title: RCRA, JANUARY 2018	Logbook No.: HNF-N-506-98/24	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
B3FTW6	N	W	1-15-18	1340	1x125-mL P	300.0_ANIONS_IC: COMMON	48 Hours	Cool <=6C

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Relinquished By: Juan Aguilar /CHPRC Signature: [Signature] Date/Time: JAN 15 2018 1420	Received By: Jeff Lucas /CHPRC Signature: [Signature] Date/Time: JAN 15 2018 1420	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: Jeff Lucas /CHPRC Signature: [Signature] Date/Time: JAN 15 2018 1536	Received By: B. Jorgenson, TARA Signature: [Signature] Date/Time: 1-15-18 1530		
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:

CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				C.O.C.# W18-001-171		
						Page 1 of 1		
Collector: Barbara Briggs ICHPRC		Contact/Requester: Karen Waters-Husted		Telephone No.: 509-376-4650				
SAF No.: W18-001		Sampling Origin: Hanford Site		Purchase Order/Charge Code: 300071				
Project Title: RCRA, JANUARY 2018		Logbook No.: HNF-N-506 - 95 pg. 78		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
B3FRJ6	N	W	1/15/18	1232	1x125-mL P	300.0_ANIONS_IC: COMMON	48 Hours	Cool <=6C

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Relinquished By: Barbara Briggs ICHPRC <i>Barbara Briggs</i> Print First and Last Name Signature	JAN 15 2018 1445 Date/Time	Received By: Jeff Lucas ICHPRC <i>Jeff Lucas</i> Print First and Last Name Signature	JAN 15 2018 1445 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: Jeff Lucas ICHPRC <i>Jeff Lucas</i> Print First and Last Name Signature	JAN 15 2018 1530 Date/Time	Received By: B. Jorgenson, TAREL <i>B. Jorgenson</i> Print First and Last Name Signature	1-15-18/1530 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.# W18-001-169		
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Collector: Barbara Briggs /CHPRC		Contact/Requester: Karen Waters-Husted		Telephone No.: 509-376-4650				
SAF No.: W18-001		Sampling Origin: Hanford Site		Purchase Order/Charge Code: 300071				
Project Title: RCRA, JANUARY 2018		Logbook No.: HNF-N-506 -95 pg-78		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
B3FRJ0	N	W	1/15/18	1348	1x125-mL P	300.0_ANIONS_IC: COMMON	48 Hours	Cool <=6C

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Relinquished By: Barbara Briggs /CHPRC Signature: <i>[Signature]</i> Date/Time: JAN 15 2018 1445	Received By: Jeff Lucas /CHPRC Signature: <i>[Signature]</i> Date/Time: JAN 15 2018 1445	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: Jeff Lucas /CHPRC Signature: <i>[Signature]</i> Date/Time: JAN 15 2018 1530	Received By: B. Jorgenson, TARR Signature: <i>[Signature]</i> Date/Time: 1-15-18/1530		
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.# W18-001-200		
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Collector: Larry Rosane JCHPRC		Contact/Requester: Karen Waters-Husted		Telephone No.: 509-376-4650				
SAF No.: W18-001		Sampling Origin: Hanford Site		Purchase Order/Charge Code: 300071				
Project Title: RCRA; JANUARY 2018		Logbook No.: HNF-N-506 96/80		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
B3FR61	N	W	1-15-18	0918	1x125-mL P	300.0_ANIONS_IC: COMMON	48 Hours	Cool <=6C

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Relinquished By: Larry Rosane JCHPRC Signature: [Signature] Date/Time: JAN 15 2018 1105	Received By: [Signature] JCHPRC Signature: [Signature] Date/Time: JAN 15 2018 1105	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: Roger Friesz Jr. JCHPRC Signature: [Signature] Date/Time: JAN 15 2018 30	Received By: B. Jorgenson, TARL Signature: [Signature] Date/Time: 1-15-18/1530		
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.# W18-001-202		
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Collector: Larry Rosane ICHPRC		Contact/Requester: Karen Waters-Husted		Telephone No.: 509-376-4650				
SAF No.: W18-001		Sampling Origin: Hanford Site		Purchase Order/Charge Code: 300071				
Project Title: RCRA, JANUARY 2018		Logbook No.: HNF-N-506 96/80		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
B3FT91	N	W	1-15-18	1021	1x125-mL P	300.0_ANIONS_IC: COMMON	48 Hours	Cool <=6C

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Relinquished By: Larry Rosane ICHPRC Signature: [Signature] Date/Time: JAN 15 2018 1105	Received By: Roger Friesz Jr. ICHPRC Signature: [Signature] Date/Time: JAN 15 2018 1105	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: Roger Friesz Jr. ICHPRC Signature: [Signature] Date/Time: JAN 15 2018 1530	Received By: B. Jorgenson, TARL Signature: [Signature] Date/Time: 1-15-18/1530	
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: _____

Client: CH2M Hill Plateau Remediation Company
Project/Site: W18-001

TestAmerica Job ID: 300-6675-1
SDG: WC2654

Client Sample ID: B3FRJ2

Lab Sample ID: 300-6675-1

No Detections.

Client Sample ID: B3FRH9

Lab Sample ID: 300-6675-2

No Detections.

Client Sample ID: B3FRJ8

Lab Sample ID: 300-6675-3

No Detections.

Client Sample ID: B3FRJ5

Lab Sample ID: 300-6675-4

No Detections.

Client Sample ID: B3FR98

Lab Sample ID: 300-6675-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	5.4	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	2.1	D	0.056	0.028	mg/L	2		300.0	Total/NA
Fluoride	0.38	D	0.10	0.050	mg/L	2		300.0	Total/NA
Sulfate	30	D	1.3	0.63	mg/L	5		300.0	Total/NA

Client Sample ID: B3FTW6

Lab Sample ID: 300-6675-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	4.5	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	3.8	D	0.056	0.028	mg/L	2		300.0	Total/NA
Fluoride	0.23	D	0.10	0.050	mg/L	2		300.0	Total/NA
Sulfate	23	D	0.50	0.25	mg/L	2		300.0	Total/NA

Client Sample ID: B3FRJ6

Lab Sample ID: 300-6675-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	14	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	6.1	D	0.056	0.028	mg/L	2		300.0	Total/NA
Fluoride	0.22	D	0.10	0.050	mg/L	2		300.0	Total/NA
Nitrite as N	0.10	D	0.076	0.038	mg/L	2		300.0	Total/NA
Sulfate	75	D	0.50	0.25	mg/L	2		300.0	Total/NA

Client Sample ID: B3FRJ0

Lab Sample ID: 300-6675-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	18	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	8.1	D	0.056	0.028	mg/L	2		300.0	Total/NA
Fluoride	0.26	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

Client Sample ID: B3FR61

Lab Sample ID: 300-6675-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	10	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	9.0	D	0.056	0.028	mg/L	2		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Richland

Client: CH2M Hill Plateau Remediation Company
Project/Site: W18-001

TestAmerica Job ID: 300-6675-1
SDG: WC2654

Client Sample ID: B3FR61 (Continued)

Lab Sample ID: 300-6675-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoride	0.50	D	0.10	0.050	mg/L	2		300.0	Total/NA
Sulfate	37	D	0.50	0.25	mg/L	2		300.0	Total/NA

Client Sample ID: B3FT91

Lab Sample ID: 300-6675-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	14	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	14	D	0.14	0.070	mg/L	5		300.0	Total/NA
Fluoride	0.37	D	0.10	0.050	mg/L	2		300.0	Total/NA
Sulfate	65	D	0.50	0.25	mg/L	2		300.0	Total/NA

This Detection Summary does not include radiochemical test results.



Client: CH2M Hill Plateau Remediation Company
Project/Site: W18-001

TestAmerica Job ID: 300-6675-1
SDG: WC2654

Client Sample ID: B3FRJ2

Lab Sample ID: 300-6675-1

Date Collected: 01/15/18 13:48

Matrix: Water

Date Received: 01/15/18 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0015	U	0.0040	0.0015	mg/L			01/15/18 16:40	1

Client Sample ID: B3FRH9

Lab Sample ID: 300-6675-2

Date Collected: 01/15/18 13:48

Matrix: Water

Date Received: 01/15/18 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0015	U	0.0040	0.0015	mg/L			01/15/18 16:41	1

Client Sample ID: B3FRJ8

Lab Sample ID: 300-6675-3

Date Collected: 01/15/18 12:32

Matrix: Water

Date Received: 01/15/18 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0015	U	0.0040	0.0015	mg/L			01/15/18 16:41	1

Client Sample ID: B3FRJ5

Lab Sample ID: 300-6675-4

Date Collected: 01/15/18 12:32

Matrix: Water

Date Received: 01/15/18 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0015	U	0.0040	0.0015	mg/L			01/15/18 16:42	1

Client Sample ID: B3FR98

Lab Sample ID: 300-6675-5

Date Collected: 01/15/18 12:41

Matrix: Water

Date Received: 01/15/18 15:30

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.4	D	0.40	0.20	mg/L			01/15/18 19:13	2
Nitrate as N	2.1	D	0.056	0.028	mg/L			01/15/18 19:13	2
Fluoride	0.38	D	0.10	0.050	mg/L			01/15/18 19:13	2
Nitrite as N	0.038	U D	0.076	0.038	mg/L			01/15/18 19:13	2
Sulfate	30	D	1.3	0.63	mg/L			01/16/18 00:19	5

Client Sample ID: B3FTW6

Lab Sample ID: 300-6675-6

Date Collected: 01/15/18 13:40

Matrix: Water

Date Received: 01/15/18 15:30

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.5	D	0.40	0.20	mg/L			01/15/18 18:57	2
Nitrate as N	3.8	D	0.056	0.028	mg/L			01/15/18 18:57	2
Fluoride	0.23	D	0.10	0.050	mg/L			01/15/18 18:57	2
Nitrite as N	0.038	U D	0.076	0.038	mg/L			01/15/18 18:57	2
Sulfate	23	D	0.50	0.25	mg/L			01/15/18 18:57	2

TestAmerica Richland

Client: CH2M Hill Plateau Remediation Company
Project/Site: W18-001

TestAmerica Job ID: 300-6675-1
SDG: WC2654

Client Sample ID: B3FRJ6

Lab Sample ID: 300-6675-7

Date Collected: 01/15/18 12:32

Matrix: Water

Date Received: 01/15/18 15:30

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14	D	0.40	0.20	mg/L			01/15/18 18:41	2
Nitrate as N	6.1	D	0.056	0.028	mg/L			01/15/18 18:41	2
Fluoride	0.22	D	0.10	0.050	mg/L			01/15/18 18:41	2
Nitrite as N	0.10	D	0.076	0.038	mg/L			01/15/18 18:41	2
Sulfate	75	D	0.50	0.25	mg/L			01/15/18 18:41	2

Client Sample ID: B3FRJ0

Lab Sample ID: 300-6675-8

Date Collected: 01/15/18 13:48

Matrix: Water

Date Received: 01/15/18 15:30

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18	D	0.40	0.20	mg/L			01/15/18 18:25	2
Nitrate as N	8.1	D	0.056	0.028	mg/L			01/15/18 18:25	2
Fluoride	0.26	D	0.10	0.050	mg/L			01/15/18 18:25	2
Nitrite as N	0.038	U D	0.076	0.038	mg/L			01/15/18 18:25	2
Sulfate	140	D	1.3	0.63	mg/L			01/15/18 22:59	5

Client Sample ID: B3FR61

Lab Sample ID: 300-6675-9

Date Collected: 01/15/18 09:18

Matrix: Water

Date Received: 01/15/18 15:30

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10	D	0.40	0.20	mg/L			01/15/18 18:09	2
Nitrate as N	9.0	D	0.056	0.028	mg/L			01/15/18 18:09	2
Fluoride	0.50	D	0.10	0.050	mg/L			01/15/18 18:09	2
Nitrite as N	0.038	U D	0.076	0.038	mg/L			01/15/18 18:09	2
Sulfate	37	D	0.50	0.25	mg/L			01/15/18 18:09	2

Client Sample ID: B3FT91

Lab Sample ID: 300-6675-10

Date Collected: 01/15/18 10:21

Matrix: Water

Date Received: 01/15/18 15:30

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14	D	0.40	0.20	mg/L			01/15/18 17:53	2
Nitrate as N	14	D	0.14	0.070	mg/L			01/15/18 22:26	5
Fluoride	0.37	D	0.10	0.050	mg/L			01/15/18 17:53	2
Nitrite as N	0.038	U D	0.076	0.038	mg/L			01/15/18 17:53	2
Sulfate	65	D	0.50	0.25	mg/L			01/15/18 17:53	2

Client: CH2M Hill Plateau Remediation Company
Project/Site: W18-001

TestAmerica Job ID: 300-6675-1
SDG: WC2654

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 300-10144/5
Matrix: Water
Analysis Batch: 10144

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			01/15/18 13:56	1
Nitrite as N	0.019	U	0.038	0.019	mg/L			01/15/18 13:56	1

Lab Sample ID: LCS 300-10144/6
Matrix: Water
Analysis Batch: 10144

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	2.31		mg/L		102	80 - 120
Nitrite as N	3.04	3.12		mg/L		103	80 - 120

Lab Sample ID: 300-6675-5 MS
Matrix: Water
Analysis Batch: 10144

Client Sample ID: B3FR98
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	2.1	D	0.452	2.64	D	mg/L		125	75 - 125
Nitrite as N	0.038	U D	0.609	0.566	D	mg/L		93	75 - 125

Lab Sample ID: 300-6675-5 DU
Matrix: Water
Analysis Batch: 10144

Client Sample ID: B3FR98
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Nitrate as N	2.1	D	2.13	D	mg/L		2	20
Nitrite as N	0.038	U D	0.038	U D	mg/L		NC	20

Lab Sample ID: MB 300-10145/5
Matrix: Water
Analysis Batch: 10145

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			01/15/18 13:56	1
Fluoride	0.025	U	0.050	0.025	mg/L			01/15/18 13:56	1
Sulfate	0.13	U	0.25	0.13	mg/L			01/15/18 13:56	1

Lab Sample ID: LCS 300-10145/6
Matrix: Water
Analysis Batch: 10145

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	16.1		mg/L		101	80 - 120
Fluoride	4.00	3.98		mg/L		100	80 - 120
Sulfate	20.0	20.8		mg/L		104	80 - 120

Client: CH2M Hill Plateau Remediation Company
Project/Site: W18-001

TestAmerica Job ID: 300-6675-1
SDG: WC2654

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 300-6675-5 MS
Matrix: Water
Analysis Batch: 10145

Client Sample ID: B3FR98
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	5.4	D	3.20	8.94	D	mg/L		111	75 - 125
Fluoride	0.38	D	0.800	1.19	D	mg/L		101	75 - 125

Lab Sample ID: 300-6675-5 MS
Matrix: Water
Analysis Batch: 10145

Client Sample ID: B3FR98
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	30	D	10.0	40.6	D	mg/L		103	75 - 125

Lab Sample ID: 300-6675-5 DU
Matrix: Water
Analysis Batch: 10145

Client Sample ID: B3FR98
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chloride	5.4	D	5.49	D	mg/L		2	20
Fluoride	0.38	D	0.385	D	mg/L		2	20

Lab Sample ID: 300-6675-5 DU
Matrix: Water
Analysis Batch: 10145

Client Sample ID: B3FR98
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfate	30	D	29.7	D	mg/L		2	20

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 300-10158/3
Matrix: Water
Analysis Batch: 10158

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			01/15/18 16:37	1

Lab Sample ID: LCS 300-10158/4
Matrix: Water
Analysis Batch: 10158

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: 300-6675-1 MS
Matrix: Water
Analysis Batch: 10158

Client Sample ID: B3FRJ2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	0.0015	U	0.0501	0.0524		mg/L		105	75 - 125

TestAmerica Richland

Client: CH2M Hill Plateau Remediation Company
 Project/Site: W18-001

TestAmerica Job ID: 300-6675-1
 SDG: WC2654

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: 300-6675-1 DU
Matrix: Water
Analysis Batch: 10158

Client Sample ID: B3FRJ2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU		Unit	D	RPD	Limit
			Result	Qualifier				
Cr (VI)	0.0015	U	0.0015	U	mg/L		NC	20

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

Client: CH2M Hill Plateau Remediation Company
Project/Site: W18-001

TestAmerica Job ID: 300-6675-1
SDG: WC2654

HPLC/IC

Analysis Batch: 10144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-6675-5	B3FR98	Total/NA	Water	300.0	
300-6675-6	B3FTW6	Total/NA	Water	300.0	
300-6675-7	B3FRJ6	Total/NA	Water	300.0	
300-6675-8	B3FRJ0	Total/NA	Water	300.0	
300-6675-9	B3FR61	Total/NA	Water	300.0	
300-6675-10	B3FT91	Total/NA	Water	300.0	
300-6675-10	B3FT91	Total/NA	Water	300.0	
MB 300-10144/5	Method Blank	Total/NA	Water	300.0	
LCS 300-10144/6	Lab Control Sample	Total/NA	Water	300.0	
300-6675-5 MS	B3FR98	Total/NA	Water	300.0	
300-6675-5 DU	B3FR98	Total/NA	Water	300.0	

Analysis Batch: 10145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-6675-5	B3FR98	Total/NA	Water	300.0	
300-6675-5	B3FR98	Total/NA	Water	300.0	
300-6675-6	B3FTW6	Total/NA	Water	300.0	
300-6675-7	B3FRJ6	Total/NA	Water	300.0	
300-6675-8	B3FRJ0	Total/NA	Water	300.0	
300-6675-8	B3FRJ0	Total/NA	Water	300.0	
300-6675-9	B3FR61	Total/NA	Water	300.0	
300-6675-10	B3FT91	Total/NA	Water	300.0	
MB 300-10145/5	Method Blank	Total/NA	Water	300.0	
LCS 300-10145/6	Lab Control Sample	Total/NA	Water	300.0	
300-6675-5 MS	B3FR98	Total/NA	Water	300.0	
300-6675-5 MS	B3FR98	Total/NA	Water	300.0	
300-6675-5 DU	B3FR98	Total/NA	Water	300.0	
300-6675-5 DU	B3FR98	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 10158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-6675-1	B3FRJ2	Total/NA	Water	7196A	
300-6675-2	B3FRH9	Total/NA	Water	7196A	
300-6675-3	B3FRJ8	Total/NA	Water	7196A	
300-6675-4	B3FRJ5	Total/NA	Water	7196A	
MB 300-10158/3	Method Blank	Total/NA	Water	7196A	
LCS 300-10158/4	Lab Control Sample	Total/NA	Water	7196A	
300-6675-1 MS	B3FRJ2	Total/NA	Water	7196A	
300-6675-1 DU	B3FRJ2	Total/NA	Water	7196A	

Client: CH2M Hill Plateau Remediation Company
Project/Site: W18-001

TestAmerica Job ID: 300-6675-1
SDG: WC2654

Client Sample ID: B3FRJ2
Date Collected: 01/15/18 13:48
Date Received: 01/15/18 15:30

Lab Sample ID: 300-6675-1
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			10158	01/15/18 16:40	TRH	TAL RCH

Client Sample ID: B3FRH9
Date Collected: 01/15/18 13:48
Date Received: 01/15/18 15:30

Lab Sample ID: 300-6675-2
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			10158	01/15/18 16:41	TRH	TAL RCH

Client Sample ID: B3FRJ8
Date Collected: 01/15/18 12:32
Date Received: 01/15/18 15:30

Lab Sample ID: 300-6675-3
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			10158	01/15/18 16:41	TRH	TAL RCH

Client Sample ID: B3FRJ5
Date Collected: 01/15/18 12:32
Date Received: 01/15/18 15:30

Lab Sample ID: 300-6675-4
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			10158	01/15/18 16:42	TRH	TAL RCH

Client Sample ID: B3FR98
Date Collected: 01/15/18 12:41
Date Received: 01/15/18 15:30

Lab Sample ID: 300-6675-5
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		2			10144	01/15/18 19:13	RTQ	TAL RCH
Total/NA	Analysis	300.0		2			10145	01/15/18 19:13	RTQ	TAL RCH
Total/NA	Analysis	300.0		5			10145	01/16/18 00:19	RTQ	TAL RCH

Client Sample ID: B3FTW6
Date Collected: 01/15/18 13:40
Date Received: 01/15/18 15:30

Lab Sample ID: 300-6675-6
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		2			10144	01/15/18 18:57	RTQ	TAL RCH
Total/NA	Analysis	300.0		2			10145	01/15/18 18:57	RTQ	TAL RCH

Client: CH2M Hill Plateau Remediation Company
Project/Site: W18-001

TestAmerica Job ID: 300-6675-1
SDG: WC2654

Client Sample ID: B3FRJ6

Lab Sample ID: 300-6675-7

Date Collected: 01/15/18 12:32

Matrix: Water

Date Received: 01/15/18 15:30

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			10144	01/15/18 18:41	RTQ	TAL RCH
Total/NA	Analysis	300.0		2			10145	01/15/18 18:41	RTQ	TAL RCH

Client Sample ID: B3FRJ0

Lab Sample ID: 300-6675-8

Date Collected: 01/15/18 13:48

Matrix: Water

Date Received: 01/15/18 15:30

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			10144	01/15/18 18:25	RTQ	TAL RCH
Total/NA	Analysis	300.0		2	10 mL	1.0 mL	10145	01/15/18 18:25	RTQ	TAL RCH
Total/NA	Analysis	300.0		5			10145	01/15/18 22:59	RTQ	TAL RCH

Client Sample ID: B3FR61

Lab Sample ID: 300-6675-9

Date Collected: 01/15/18 09:18

Matrix: Water

Date Received: 01/15/18 15:30

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			10144	01/15/18 18:09	RTQ	TAL RCH
Total/NA	Analysis	300.0		2			10145	01/15/18 18:09	RTQ	TAL RCH

Client Sample ID: B3FT91

Lab Sample ID: 300-6675-10

Date Collected: 01/15/18 10:21

Matrix: Water

Date Received: 01/15/18 15:30

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			10144	01/15/18 17:53	RTQ	TAL RCH
Total/NA	Analysis	300.0		2			10145	01/15/18 17:53	RTQ	TAL RCH
Total/NA	Analysis	300.0		5			10144	01/15/18 22:26	RTQ	TAL RCH

Client Sample ID: Method Blank

Lab Sample ID: MB 300-10144/5

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	300.0		1			10144	01/15/18 13:56	RTQ	TAL RCH

Client: CH2M Hill Plateau Remediation Company
Project/Site: W18-001

TestAmerica Job ID: 300-6675-1
SDG: WC2654

Client Sample ID: Method Blank

Lab Sample ID: MB 300-10145/5

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	300.0		1			10145	01/15/18 13:56	RTQ	TAL RCH

Client Sample ID: Method Blank

Lab Sample ID: MB 300-10158/3

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			10158	01/15/18 16:37	TRH	TAL RCH

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 300-10144/6

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	300.0		1			10144	01/15/18 14:12	RTQ	TAL RCH

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 300-10145/6

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	300.0		1			10145	01/15/18 14:12	RTQ	TAL RCH

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 300-10158/4

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			10158	01/15/18 16:37	TRH	TAL RCH

Client Sample ID: B3FRJ2

Lab Sample ID: 300-6675-1 MS

Date Collected: 01/15/18 13:48

Matrix: Water

Date Received: 01/15/18 15:30

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			10158	01/15/18 16:38	TRH	TAL RCH

Client: CH2M Hill Plateau Remediation Company
Project/Site: W18-001

TestAmerica Job ID: 300-6675-1
SDG: WC2654

Client Sample ID: B3FR98

Lab Sample ID: 300-6675-5 MS

Date Collected: 01/15/18 12:41

Matrix: Water

Date Received: 01/15/18 15:30

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			10144	01/15/18 19:29	RTQ	TAL RCH
Total/NA	Analysis	300.0		2			10145	01/15/18 19:29	RTQ	TAL RCH
Total/NA	Analysis	300.0		5			10145	01/16/18 00:35	RTQ	TAL RCH

Laboratory References:

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

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Client: CH2M Hill Plateau Remediation Company
Project/Site: W18-001

TestAmerica Job ID: 300-6675-1
SDG: WC2654

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: W18-001

TestAmerica Job ID: 300-6675-1
SDG: WC2654

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
300-6675-1	B3FRJ2	Water	01/15/18 13:48	01/15/18 15:30
300-6675-2	B3FRH9	Water	01/15/18 13:48	01/15/18 15:30
300-6675-3	B3FRJ8	Water	01/15/18 12:32	01/15/18 15:30
300-6675-4	B3FRJ5	Water	01/15/18 12:32	01/15/18 15:30
300-6675-5	B3FR98	Water	01/15/18 12:41	01/15/18 15:30
300-6675-6	B3FTW6	Water	01/15/18 13:40	01/15/18 15:30
300-6675-7	B3FRJ6	Water	01/15/18 12:32	01/15/18 15:30
300-6675-8	B3FRJ0	Water	01/15/18 13:48	01/15/18 15:30
300-6675-9	B3FR61	Water	01/15/18 09:18	01/15/18 15:30
300-6675-10	B3FT91	Water	01/15/18 10:21	01/15/18 15:30

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Login Sample Receipt Checklist

Client: CH2M Hill Plateau Remediation Company

Job Number: 300-6675-1

SDG Number: WC2654

Login Number: 6675

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	