

03/28/2018

REV.0

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: 300-6854-1
TestAmerica Sample Delivery Group: WC2758
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:
3/28/2018 10:44:11 AM

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

LINKS

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

TestAmerica Job ID: 300-6854-1
 SDG: WC2758

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
D	The reported value is from a dilution.
N	MS, MSD: Spike recovery is outside acceptance limits.
B	Estimated result. Result is less than the RL, but greater than MDL
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: W18-002

TestAmerica Job ID: 300-6854-1
SDG: WC2758

Job ID: 300-6854-1

Laboratory: TestAmerica Richland

Narrative

**Job Narrative
300-6854-1**

Comments

No additional comments.

Receipt

The samples were received on 3/8/2018 2:55 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 10.1° 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.# W18-002-134
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-506-9911	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
B3H3R3	N	W	3-8-18	0850	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C

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WC 2758



300-6854 COC

03/28/2018

Relinquished By: <u>Juan Aguilar</u> <small>Print First and Last Name</small>	Received By: <u>Troy Bacon</u> <small>Print First and Last Name</small>	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
Signature: _____ <small>Signature</small>	Signature: _____ <small>Signature</small>	
Date/Time: <u>MAR 08 2018 1204</u> <small>Date/Time</small>	Date/Time: <u>MAR 08 2018 1204</u> <small>Date/Time</small>	
Date/Time: _____ <small>Date/Time</small>	Date/Time: _____ <small>Date/Time</small>	
Relinquished By: <u>Troy Bacon</u> <small>Print First and Last Name</small>	Received By: <u>B. Jorgenson, TARL</u> <small>Print First and Last Name</small>	
Signature: _____ <small>Signature</small>	Signature: _____ <small>Signature</small>	
Date/Time: <u>MAR 08 2018 1455</u> <small>Date/Time</small>	Date/Time: <u>3-8-18/1455</u> <small>Date/Time</small>	
Date/Time: _____ <small>Date/Time</small>	Date/Time: _____ <small>Date/Time</small>	
Relinquished By: _____ <small>Print First and Last Name</small>	Received By: _____ <small>Print First and Last Name</small>	
Signature: _____ <small>Signature</small>	Signature: _____ <small>Signature</small>	
Date/Time: _____ <small>Date/Time</small>	Date/Time: _____ <small>Date/Time</small>	
Date/Time: _____ <small>Date/Time</small>	Date/Time: _____ <small>Date/Time</small>	

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FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process):	Disposed By:	Date/Time:
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CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C.# W18-002-136
		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 -99/11	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
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Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B3H3R8	N	W	3-8-18	0931	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C

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03/28/2018

Relinquished By: Juan Aguilar /CHPRC <small>Print First and Last Name Signature Date/Time</small> MAR 08 2018 1250	Received By: Troy L. Bacon /CHPRC <small>Print First and Last Name Signature Date/Time</small> MAR 08 2018 1250	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 <small>Print First and Last Name Signature Date/Time</small> MAR 08 2018 1455	Received By: B. Jorgenson, TARL /CHPRC <small>Print First and Last Name Signature Date/Time</small> 3-8-18/1455	
Relinquished By: _____ <small>Print First and Last Name Signature Date/Time</small>	Received By: _____ <small>Print First and Last Name Signature Date/Time</small>	
Relinquished By: _____ <small>Print First and Last Name Signature Date/Time</small>	Received By: _____ <small>Print First and Last Name Signature Date/Time</small>	
FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process): _____		Disposed By: _____ Date/Time: _____

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CH2M Hill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C.# W18-002-135
		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-506-9911	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>
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Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B3H3R7	N	W	3-8-18	0931	1x60-mL P	300.0 ANIONS_IC: COMMON	48 Hours	Cool <=6C

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03/28/2018

Relinquished By: Juan Aguilar <small>Print First and Last Name Signature Date/Time</small> MAR 08 2018 1204	Received By: Troy Bacon <small>Print First and Last Name Signature Date/Time</small> MAR 08 2018 1204	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 <small>Print First and Last Name Signature Date/Time</small> MAR 08 2018 1455	Received By: B. Jorgenson, TARI <small>Print First and Last Name Signature Date/Time</small> 3-8-18/1455	
Relinquished By: <small>Print First and Last Name Signature Date/Time</small>	Received By: <small>Print First and Last Name Signature Date/Time</small>	
Relinquished By: <small>Print First and Last Name Signature Date/Time</small>	Received By: <small>Print First and Last Name Signature Date/Time</small>	
FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process):		Disposed By: Date/Time:

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03/28/2018



CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C.# W18-002-133
		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-506-9911	Ice Chest No.: N/A
Shipped To (Lab): <u>TestAmerica Incorporated, Rich</u>	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
B3H3R2	N	W	3-8-18	0850	1x60-mL P	300.0_ANIONS_IC: COMMON	48 Hours	Cool <=6C

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03/28/2018

Relinquished By: <u>Juan Aguilar</u> CHPRC Signature: _____ Date/Time: MAR 08 2018 1204	Received By: <u>Troy Bacon</u> CHPRC Signature: _____ Date/Time: MAR 08 2018 1204	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> CHPRC Signature: _____ Date/Time: MAR 08 2018 1455	Received By: <u>B. Jorgenson</u> Signature: _____ Date/Time: 3-8-18/1455		
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: _____

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

TestAmerica Job ID: 300-6854-1
SDG: WC2758

Client Sample ID: B3H3R3

Lab Sample ID: 300-6854-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.0094		0.0040	0.0015	mg/L	1		7196A	Total/NA

Client Sample ID: B3H3R8

Lab Sample ID: 300-6854-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.011		0.0040	0.0015	mg/L	1		7196A	Total/NA

Client Sample ID: B3H3R7

Lab Sample ID: 300-6854-3

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	25	D	0.28	0.14	mg/L	10		300.0	Total/NA
Fluoride	1.2	D	0.10	0.050	mg/L	2		300.0	Total/NA
Nitrite as N	0.088	N D	0.076	0.038	mg/L	2		300.0	Total/NA
Sulfate	52	D	0.50	0.25	mg/L	2		300.0	Total/NA

Client Sample ID: B3H3R2

Lab Sample ID: 300-6854-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	24	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	23	D	0.14	0.070	mg/L	5		300.0	Total/NA
Fluoride	0.92	D	0.10	0.050	mg/L	2		300.0	Total/NA
Nitrite as N	0.086	N D	0.076	0.038	mg/L	2		300.0	Total/NA
Sulfate	49	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: W18-002

TestAmerica Job ID: 300-6854-1
 SDG: WC2758

Client Sample ID: B3H3R3

Lab Sample ID: 300-6854-1

Date Collected: 03/08/18 08:50
 Date Received: 03/08/18 14:55

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0094		0.0040	0.0015	mg/L			03/08/18 17:21	1

Client Sample ID: B3H3R8

Lab Sample ID: 300-6854-2

Date Collected: 03/08/18 09:31
 Date Received: 03/08/18 14:55

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.011		0.0040	0.0015	mg/L			03/08/18 17:24	1

Client Sample ID: B3H3R7

Lab Sample ID: 300-6854-3

Date Collected: 03/08/18 09:31
 Date Received: 03/08/18 14:55

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			03/09/18 17:06	2
Nitrate as N	25	D	0.28	0.14	mg/L			03/09/18 20:20	10
Fluoride	1.2	D	0.10	0.050	mg/L			03/09/18 17:06	2
Nitrite as N	0.088	N D	0.076	0.038	mg/L			03/09/18 17:06	2
Sulfate	52	D	0.50	0.25	mg/L			03/09/18 17:06	2

Client Sample ID: B3H3R2

Lab Sample ID: 300-6854-4

Date Collected: 03/08/18 08:50
 Date Received: 03/08/18 14:55

Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24	D	0.40	0.20	mg/L			03/09/18 17:23	2
Nitrate as N	23	D	0.14	0.070	mg/L			03/09/18 20:36	5
Fluoride	0.92	D	0.10	0.050	mg/L			03/09/18 17:23	2
Nitrite as N	0.086	N D	0.076	0.038	mg/L			03/09/18 17:23	2
Sulfate	49	D	0.50	0.25	mg/L			03/09/18 17:23	2

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

TestAmerica Job ID: 300-6854-1
SDG: WC2758

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 300-10592/5
Matrix: Water
Analysis Batch: 10592

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			03/09/18 13:54	1
Nitrite as N	0.019	U	0.038	0.019	mg/L			03/09/18 13:54	1

Lab Sample ID: LCS 300-10592/6
Matrix: Water
Analysis Batch: 10592

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	2.23		mg/L		99	80 - 120
Nitrite as N	3.04	3.09		mg/L		101	80 - 120

Lab Sample ID: 300-6855-A-18 MS
Matrix: Water
Analysis Batch: 10592

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
Nitrate as N	6.2	D	1.13	7.32	D	mg/L		103	75 - 125
Nitrite as N	0.15	B D	1.52	1.32	D	mg/L		77	75 - 125

Lab Sample ID: 300-6855-A-18 DU
Matrix: Water
Analysis Batch: 10592

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrate as N	6.2	D	6.08	D	mg/L		1	20
Nitrite as N	0.15	B D	0.146	B D	mg/L		0.8	20

Lab Sample ID: MB 300-10593/5
Matrix: Water
Analysis Batch: 10593

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			03/09/18 13:54	1
Fluoride	0.025	U	0.050	0.025	mg/L			03/09/18 13:54	1
Sulfate	0.13	U	0.25	0.13	mg/L			03/09/18 13:54	1

Lab Sample ID: LCS 300-10593/6
Matrix: Water
Analysis Batch: 10593

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	16.0		mg/L		100	80 - 120
Fluoride	4.00	4.02		mg/L		101	80 - 120
Sulfate	20.0	20.0		mg/L		100	80 - 120

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

TestAmerica Job ID: 300-6854-1
SDG: WC2758

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 300-6855-A-18 MS
Matrix: Water
Analysis Batch: 10593

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
Chloride	19	D	3.20	21.2	D	mg/L		82	75 - 125
Fluoride	0.47	D	0.800	1.20	D	mg/L		91	75 - 125

Lab Sample ID: 300-6855-A-18 DU
Matrix: Water
Analysis Batch: 10593

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chloride	19	D	18.0	D	mg/L		3	20
Fluoride	0.47	D	0.451	D	mg/L		4	20

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 300-10590/3
Matrix: Water
Analysis Batch: 10590

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			03/08/18 17:06	1

Lab Sample ID: LCS 300-10590/4
Matrix: Water
Analysis Batch: 10590

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	0.258		mg/L		103	80 - 120

Lab Sample ID: 300-6855-A-1 MS
Matrix: Water
Analysis Batch: 10590

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)	0.0049		0.0501	0.0557		mg/L		101	75 - 125

Lab Sample ID: 300-6855-A-1 DU
Matrix: Water
Analysis Batch: 10590

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cr (VI)	0.0049		0.00440		mg/L		11	20

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

TestAmerica Job ID: 300-6854-1
 SDG: WC2758

HPLC/IC

Analysis Batch: 10592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-6854-3	B3H3R7	Total/NA	Water	300.0	
300-6854-3	B3H3R7	Total/NA	Water	300.0	
300-6854-4	B3H3R2	Total/NA	Water	300.0	
300-6854-4	B3H3R2	Total/NA	Water	300.0	
MB 300-10592/5	Method Blank	Total/NA	Water	300.0	
LCS 300-10592/6	Lab Control Sample	Total/NA	Water	300.0	
300-6855-A-18 MS	Matrix Spike	Total/NA	Water	300.0	
300-6855-A-18 DU	Duplicate	Total/NA	Water	300.0	

Analysis Batch: 10593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-6854-3	B3H3R7	Total/NA	Water	300.0	
300-6854-4	B3H3R2	Total/NA	Water	300.0	
MB 300-10593/5	Method Blank	Total/NA	Water	300.0	
LCS 300-10593/6	Lab Control Sample	Total/NA	Water	300.0	
300-6855-A-18 MS	Matrix Spike	Total/NA	Water	300.0	
300-6855-A-18 DU	Duplicate	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 10590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-6854-1	B3H3R3	Total/NA	Water	7196A	
300-6854-2	B3H3R8	Total/NA	Water	7196A	
MB 300-10590/3	Method Blank	Total/NA	Water	7196A	
LCS 300-10590/4	Lab Control Sample	Total/NA	Water	7196A	
300-6855-A-1 MS	Matrix Spike	Total/NA	Water	7196A	
300-6855-A-1 DU	Duplicate	Total/NA	Water	7196A	



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

TestAmerica Job ID: 300-6854-1
SDG: WC2758

Client Sample ID: B3H3R3

Date Collected: 03/08/18 08:50

Date Received: 03/08/18 14:55

Lab Sample ID: 300-6854-1

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			10590	03/08/18 17:21	TRH	TAL RCH

Client Sample ID: B3H3R8

Date Collected: 03/08/18 09:31

Date Received: 03/08/18 14:55

Lab Sample ID: 300-6854-2

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			10590	03/08/18 17:24	TRH	TAL RCH

Client Sample ID: B3H3R7

Date Collected: 03/08/18 09:31

Date Received: 03/08/18 14:55

Lab Sample ID: 300-6854-3

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	300.0		2			10592	03/09/18 17:06	RTQ	TAL RCH
Total/NA	Analysis	300.0		2			10593	03/09/18 17:06	RTQ	TAL RCH
Total/NA	Analysis	300.0		10			10592	03/09/18 20:20	RTQ	TAL RCH

Client Sample ID: B3H3R2

Date Collected: 03/08/18 08:50

Date Received: 03/08/18 14:55

Lab Sample ID: 300-6854-4

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	300.0		2			10592	03/09/18 17:23	RTQ	TAL RCH
Total/NA	Analysis	300.0		2			10593	03/09/18 17:23	RTQ	TAL RCH
Total/NA	Analysis	300.0		5			10592	03/09/18 20:36	RTQ	TAL RCH

Client Sample ID: Method Blank

Date Collected: N/A

Date Received: N/A

Lab Sample ID: MB 300-10590/3

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			10590	03/08/18 17:06	TRH	TAL RCH

Client Sample ID: Method Blank

Date Collected: N/A

Date Received: N/A

Lab Sample ID: MB 300-10592/5

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			10592	03/09/18 13:54	RTQ	TAL RCH

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

TestAmerica Job ID: 300-6854-1
SDG: WC2758

Client Sample ID: Method Blank

Lab Sample ID: MB 300-10593/5

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			10593	03/09/18 13:54	RTQ	TAL RCH

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 300-10590/4

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			10590	03/08/18 17:07	TRH	TAL RCH

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 300-10592/6

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			10592	03/09/18 14:10	RTQ	TAL RCH

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 300-10593/6

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			10593	03/09/18 14:10	RTQ	TAL RCH

Client Sample ID: Matrix Spike

Lab Sample ID: 300-6855-A-1 MS

Date Collected: 03/08/18 11:19

Matrix: Water

Date Received: 03/08/18 14:55

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			10590	03/08/18 17:07	TRH	TAL RCH

Client Sample ID: Matrix Spike

Lab Sample ID: 300-6855-A-18 MS

Date Collected: 03/08/18 11:49

Matrix: Water

Date Received: 03/08/18 14:55

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			10593	03/09/18 14:42	RTQ	TAL RCH
Total/NA	Analysis	300.0		5			10592	03/09/18 17:55	RTQ	TAL RCH

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

TestAmerica Job ID: 300-6854-1
SDG: WC2758

Client Sample ID: Duplicate

Lab Sample ID: 300-6855-A-1 DU

Date Collected: 03/08/18 11:19

Matrix: Water

Date Received: 03/08/18 14:55

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			10590	03/08/18 17:10	TRH	TAL RCH

Client Sample ID: Duplicate

Lab Sample ID: 300-6855-A-18 DU

Date Collected: 03/08/18 11:49

Matrix: Water

Date Received: 03/08/18 14:55

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			10593	03/09/18 14:58	RTQ	TAL RCH
Total/NA	Analysis	300.0		5			10592	03/09/18 18:11	RTQ	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: 300-6854-1
SDG: WC2758

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: W18-002

TestAmerica Job ID: 300-6854-1
SDG: WC2758

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
300-6854-1	B3H3R3	Water	03/08/18 08:50	03/08/18 14:55
300-6854-2	B3H3R8	Water	03/08/18 09:31	03/08/18 14:55
300-6854-3	B3H3R7	Water	03/08/18 09:31	03/08/18 14:55
300-6854-4	B3H3R2	Water	03/08/18 08:50	03/08/18 14:55

- 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: 300-6854-1

SDG Number: WC2758

Login Number: 6854

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	

