

03/22/2018

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: 300-6843-1
TestAmerica Sample Delivery Group: WC2749
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:
3/22/2018 2:29:49 PM

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.

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



Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Chain of Custody	5
Detection Summary	13
Client Sample Results	15
QC Sample Results	17
QC Association Summary	19
Lab Chronicle	20
Method Summary	23
Sample Summary	24
Receipt Checklists	25

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

TestAmerica Job ID: 300-6843-1
 SDG: WC2749

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
D	The reported value is from a dilution.
N	MS, MSD: Spike recovery is outside acceptance limits.
U	Analyzed for but not detected.
B	Estimated result. Result is less than the RL, but greater than MDL

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: 300-6843-1
SDG: WC2749

Job ID: 300-6843-1

Laboratory: TestAmerica Richland

Narrative

**Job Narrative
300-6843-1**

Comments

No additional comments.

Receipt

The samples were received on 3/5/2018 2:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.4° C.

HPLC/IC

Method(s) 300.0: The matrix spike recoveries for analytical batch 300-10539 were outside control limits for Nitrite as N. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

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

REV.0

03/22/2018

3/22/2018

Page 5 of 25

CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				C.O.C.# W18-001-206		
						Page 1 of 1		
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-506-9915		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
B3FTD5	N	W	3-5-18	1319	1x125-mL P.	300.0_ANIONS_IC.: COMMON	48 Hours	Cool <=6C

6843
W22149



300-6843 COC

Relinquished By: Juan Aguilar /CHPRC Signature: [Signature] Date/Time: MAR 05 2018 1346	Received By: Troy Bacon /CHPRC Signature: [Signature] Date/Time: MAR 05 2018 1346	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 Signature: [Signature] Date/Time: MAR 05 2018 1450	Received By: J. Bock, TARC Signature: [Signature] Date/Time: 3-5-18/1450		
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. # W18-001-208
		Page 1 of 1

REV 0

Collector: Larry Rosane 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 98/50	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
B3FRL5	N	W	3-5-18	0923	1x125-mL P	300.0_ANIONS_IC: COMMON	48 Hours	Cool <=6C

03/22/2018

6843
W22749

3/22/2018

Page 6 of 25

Relinquished By: Larry Rosane Print First and Last Name Signature Date/Time: MAR 05 2018 1310	Received By: Troy Bacon Print First and Last Name Signature Date/Time: MAR 05 2018 1310	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 Print First and Last Name Signature Date/Time: MAR 05 2018 1450	Received By: J. Bock Print First and Last Name Signature Date/Time: 3-5-18/1450	
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): _____	

CH2MHill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				C.O.C.# W18-001-209		
						Page 1 of 1		
Collector: Larry Rosano 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 98/50		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
B3FRL8	N	W	3-5-18	1224	1x125-mL P	300.0_ANIONS_IC: COMMON	48 Hours	Cool <=6C

REV. 0

03/22/2018

6843
WC 2749

3/22/2018

Page 7 of 25

Relinquished By: Larry Rosano CHPRC <i>Larry Rosano</i> Print First and Last Name Signature	MAR 05 2018 1310 Date/Time	Received By: Troy Bacon CHPRC <i>Troy L. Bacon</i> Print First and Last Name Signature	MAR 05 2018 1210 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>Troy L. Bacon</i> Print First and Last Name Signature	MAR 05 2018 1450 Date/Time	Received By: J. Bock, TARI <i>J. Bock</i> Print First and Last Name Signature	3-5-18/1450 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.# W18-001-204		
						Page 1 of 1		
Collector: Larry Rosane 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 98/50		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
B3FTC9	N	W	3-5-18	1130	1x125-mL P	300.0_ANIONS_IC: COMMON	48 Hours	Cool <=6C

REV. 0

03/22/2018

6843
WC 2749

3/22/2018

Page 8 of 25

Relinquished By: Larry Rosane CHPRC Print First and Last Name Signature Date/Time: MAR 05 2018 1316	Received By: Troy Bacon CHPRC Print First and Last Name Signature Date/Time: MAR 05 2018 1310	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 L. Bacon CHPRC Print First and Last Name Signature Date/Time: MAR 05 2018 1450	Received By: J. Bock, TARL Print First and Last Name Signature Date/Time: 3-5-18/1450		
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:

REV. 0

03/22/2018

3/22/2018

Page 9 of 25

CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				C.O.C.# W18-001-207		
						Page 1 of 1		
Collector: Lamy Rosane <small>ICHPRC</small>		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 98/50		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
B3FRL4	N	W	3-5-18	0615	1x125-mL P	300.0_ANIONS_IC: COMMON	48 Hours	Cool <=6C

6843
WC2149

Relinquished By: Lamy Rosane <small>ICHPRC</small>		MAR 05 2018 1310		Received By: Troy Bacon <small>CHPRC</small>		MAR 05 2018 1310		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 <small>CHPRC</small>		MAR 05 2018 1450		Received By: J. Bock, TARL		3-5-18/1450		
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:

CH2MHill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				C.O.C.# W18-001-210		
						Page 1 of 1		
Collector: Larry Rosane 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 98/50		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
B3FRM1	N	W	3-5-18	1045	1x125-mL P	300.0_ANIONS_IC: COMMON	48 Hours	Cool <=6C

REV 0

03/22/2018

6843
WC2149

3/22/2018

Page 10 of 25

Relinquished By: Larry Rosane CHPRC	Jerry Rosane	MAR 05 2018	1310	Received By: Troy Bacon CHPRC	Troy L. Bacon	MAR 05 2018	1310	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	Troy L. Bacon	MAR 05 2018	1450	Received By: J. Bock	J. Bock, TARL	3-5-18	1450	
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.# W18-001-205		
						Page 1 of 1		
Collector: Larry Rosane 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 98/50		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
B3FTD2	N	W	3-5-18	1006	1x125-mL P	300.0_ANIONS_IC: COMMON	48 Hours	Cool <=6C

REV. 0

03/22/2018

6843
WC 2749

3/22/2018

Page 11 of 25

Relinquished By: Larry Rosane CHPRC <i>Jerry Rosane</i> MAR 05 2018 1310			Received By: Troy Bacon CHPRC <i>Troy L. Bacon</i> MAR 05 2018 1310			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>Troy L. Bacon</i> MAR 05 2018 1450			Received By: J. Bock, TARL <i>J. Bock</i> 3-5-18/1450					
Relinquished By:			Received By:					
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.# W18-001-216
		Page 1 of 1

REV. 0

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-506-9915	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
B3FRP0	N	W	3-5-18	1220	1x125-mL P	300.0_ANIONS_IC: COMMON	48 Hours	Cool <=6C

03/22/2018

6843
WC2749

Relinquished By: Juan Aguilar /CHPRC <i>Signature</i> MAR 05 2018 1250 <i>Date/Time</i>	Received By: Daniel Klug CHPRC <i>Signature</i> MAR 05 2018 1250 <i>Date/Time</i>	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> MAR 05 2018 1450 <i>Date/Time</i>	Received By: J. Bock, TARI <i>Signature</i> 3-5-18/1450 <i>Date/Time</i>	
Relinquished By: _____ <i>Print First and Last Name</i> <i>Signature</i> <i>Date/Time</i>	Received By: _____ <i>Print First and Last Name</i> <i>Signature</i> <i>Date/Time</i>	
Relinquished By: _____ <i>Print First and Last Name</i> <i>Signature</i> <i>Date/Time</i>	Received By: _____ <i>Print First and Last Name</i> <i>Signature</i> <i>Date/Time</i>	
FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process):		Disposed By: _____ <i>Signature</i>
		Date/Time: _____

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

TestAmerica Job ID: 300-6843-1
SDG: WC2749

Client Sample ID: B3FTD5

Lab Sample ID: 300-6843-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	30	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	17	D	0.14	0.070	mg/L	5		300.0	Total/NA
Fluoride	0.33	D	0.10	0.050	mg/L	2		300.0	Total/NA
Nitrite as N	0.14	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

Client Sample ID: B3FRL5

Lab Sample ID: 300-6843-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	27	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	17	D	0.14	0.070	mg/L	5		300.0	Total/NA
Fluoride	0.31	D	0.10	0.050	mg/L	2		300.0	Total/NA
Nitrite as N	0.14	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

Client Sample ID: B3FRL8

Lab Sample ID: 300-6843-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	28	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	16	D	0.14	0.070	mg/L	5		300.0	Total/NA
Fluoride	0.31	D	0.10	0.050	mg/L	2		300.0	Total/NA
Nitrite as N	0.14	N D	0.076	0.038	mg/L	2		300.0	Total/NA
Sulfate	47	D	0.50	0.25	mg/L	2		300.0	Total/NA

Client Sample ID: B3FTC9

Lab Sample ID: 300-6843-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	32	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	16	D	0.14	0.070	mg/L	5		300.0	Total/NA
Fluoride	0.40	D	0.10	0.050	mg/L	2		300.0	Total/NA
Nitrite as N	0.14	N D	0.076	0.038	mg/L	2		300.0	Total/NA
Sulfate	57	D	0.50	0.25	mg/L	2		300.0	Total/NA

Client Sample ID: B3FRL4

Lab Sample ID: 300-6843-5

No Detections.

Client Sample ID: B3FRM1

Lab Sample ID: 300-6843-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	31	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	15	D	0.14	0.070	mg/L	5		300.0	Total/NA
Fluoride	0.46	D	0.10	0.050	mg/L	2		300.0	Total/NA
Nitrite as N	0.13	N D	0.076	0.038	mg/L	2		300.0	Total/NA
Sulfate	56	D	0.50	0.25	mg/L	2		300.0	Total/NA

Client Sample ID: B3FTD2

Lab Sample ID: 300-6843-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	13	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	5.2	D	0.056	0.028	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: 300-6843-1
SDG: WC2749

Client Sample ID: B3FTD2 (Continued)

Lab Sample ID: 300-6843-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoride	0.29	D	0.10	0.050	mg/L	2		300.0	Total/NA
Nitrite as N	0.078	N D	0.076	0.038	mg/L	2		300.0	Total/NA
Sulfate	24	D	0.50	0.25	mg/L	2		300.0	Total/NA

Client Sample ID: B3FRP0

Lab Sample ID: 300-6843-8

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	17	D	0.14	0.070	mg/L	5		300.0	Total/NA
Fluoride	0.33	D	0.10	0.050	mg/L	2		300.0	Total/NA
Nitrite as N	0.11	N D	0.076	0.038	mg/L	2		300.0	Total/NA
Sulfate	33	D	0.50	0.25	mg/L	2		300.0	Total/NA

This Detection Summary does not include radiochemical test results.



03/22/2018
Client Sample Results

REV.0

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

TestAmerica Job ID: 300-6843-1
 SDG: WC2749

Client Sample ID: B3FTD5
Date Collected: 03/05/18 13:19
Date Received: 03/05/18 14:50

Lab Sample ID: 300-6843-1
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30	D	0.40	0.20	mg/L			03/06/18 04:20	2
Nitrate as N	17	D	0.14	0.070	mg/L			03/06/18 10:30	5
Fluoride	0.33	D	0.10	0.050	mg/L			03/06/18 04:20	2
Nitrite as N	0.14	N D	0.076	0.038	mg/L			03/06/18 04:20	2
Sulfate	49	D	0.50	0.25	mg/L			03/06/18 04:20	2

Client Sample ID: B3FRL5
Date Collected: 03/05/18 09:23
Date Received: 03/05/18 14:50

Lab Sample ID: 300-6843-2
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27	D	0.40	0.20	mg/L			03/06/18 04:04	2
Nitrate as N	17	D	0.14	0.070	mg/L			03/06/18 10:14	5
Fluoride	0.31	D	0.10	0.050	mg/L			03/06/18 04:04	2
Nitrite as N	0.14	N D	0.076	0.038	mg/L			03/06/18 04:04	2
Sulfate	49	D	0.50	0.25	mg/L			03/06/18 04:04	2

Client Sample ID: B3FRL8
Date Collected: 03/05/18 12:24
Date Received: 03/05/18 14:50

Lab Sample ID: 300-6843-3
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28	D	0.40	0.20	mg/L			03/06/18 03:48	2
Nitrate as N	16	D	0.14	0.070	mg/L			03/06/18 09:58	5
Fluoride	0.31	D	0.10	0.050	mg/L			03/06/18 03:48	2
Nitrite as N	0.14	N D	0.076	0.038	mg/L			03/06/18 03:48	2
Sulfate	47	D	0.50	0.25	mg/L			03/06/18 03:48	2

Client Sample ID: B3FTC9
Date Collected: 03/05/18 11:30
Date Received: 03/05/18 14:50

Lab Sample ID: 300-6843-4
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32	D	0.40	0.20	mg/L			03/06/18 03:32	2
Nitrate as N	16	D	0.14	0.070	mg/L			03/06/18 09:42	5
Fluoride	0.40	D	0.10	0.050	mg/L			03/06/18 03:32	2
Nitrite as N	0.14	N D	0.076	0.038	mg/L			03/06/18 03:32	2
Sulfate	57	D	0.50	0.25	mg/L			03/06/18 03:32	2

Client Sample ID: B3FRL4
Date Collected: 03/05/18 06:15
Date Received: 03/05/18 14:50

Lab Sample ID: 300-6843-5
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U D	0.40	0.20	mg/L			03/06/18 03:16	2
Nitrate as N	0.028	U D	0.056	0.028	mg/L			03/06/18 03:16	2

TestAmerica Richland

03/22/2018
Client Sample Results

REV.0

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

TestAmerica Job ID: 300-6843-1
 SDG: WC2749

Client Sample ID: B3FRL4

Lab Sample ID: 300-6843-5

Date Collected: 03/05/18 06:15

Matrix: Water

Date Received: 03/05/18 14:50

Method: 300.0 - Anions, Ion Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.050	U D	0.10	0.050	mg/L			03/06/18 03:16	2
Nitrite as N	0.038	U N D	0.076	0.038	mg/L			03/06/18 03:16	2
Sulfate	0.25	U D	0.50	0.25	mg/L			03/06/18 03:16	2

Client Sample ID: B3FRM1

Lab Sample ID: 300-6843-6

Date Collected: 03/05/18 10:45

Matrix: Water

Date Received: 03/05/18 14:50

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31	D	0.40	0.20	mg/L			03/06/18 03:00	2
Nitrate as N	15	D	0.14	0.070	mg/L			03/06/18 09:10	5
Fluoride	0.46	D	0.10	0.050	mg/L			03/06/18 03:00	2
Nitrite as N	0.13	N D	0.076	0.038	mg/L			03/06/18 03:00	2
Sulfate	56	D	0.50	0.25	mg/L			03/06/18 03:00	2

Client Sample ID: B3FTD2

Lab Sample ID: 300-6843-7

Date Collected: 03/05/18 10:06

Matrix: Water

Date Received: 03/05/18 14:50

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13	D	0.40	0.20	mg/L			03/06/18 01:56	2
Nitrate as N	5.2	D	0.056	0.028	mg/L			03/06/18 01:56	2
Fluoride	0.29	D	0.10	0.050	mg/L			03/06/18 01:56	2
Nitrite as N	0.078	N D	0.076	0.038	mg/L			03/06/18 01:56	2
Sulfate	24	D	0.50	0.25	mg/L			03/06/18 01:56	2

Client Sample ID: B3FRP0

Lab Sample ID: 300-6843-8

Date Collected: 03/05/18 12:20

Matrix: Water

Date Received: 03/05/18 14:50

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			03/06/18 02:44	2
Nitrate as N	17	D	0.14	0.070	mg/L			03/06/18 08:53	5
Fluoride	0.33	D	0.10	0.050	mg/L			03/06/18 02:44	2
Nitrite as N	0.11	N D	0.076	0.038	mg/L			03/06/18 02:44	2
Sulfate	33	D	0.50	0.25	mg/L			03/06/18 02:44	2

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

TestAmerica Job ID: 300-6843-1
SDG: WC2749

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 300-10539/5
Matrix: Water
Analysis Batch: 10539

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			03/05/18 17:21	1
Nitrite as N	0.019	U	0.038	0.019	mg/L			03/05/18 17:21	1

Lab Sample ID: LCS 300-10539/6
Matrix: Water
Analysis Batch: 10539

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	2.99		mg/L		98	80 - 120

Lab Sample ID: 300-6843-7 MS
Matrix: Water
Analysis Batch: 10539

Client Sample ID: B3FTD2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	5.2	D	0.452	5.62	D	mg/L		84	75 - 125
Nitrite as N	0.078	N D	0.609	0.525	N D	mg/L		74	75 - 125

Lab Sample ID: 300-6843-7 DU
Matrix: Water
Analysis Batch: 10539

Client Sample ID: B3FTD2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrate as N	5.2	D	5.18	D	mg/L		1	20

Lab Sample ID: 300-6843-7 DU
Matrix: Water
Analysis Batch: 10539

Client Sample ID: B3FTD2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrite as N	0.13	B D	0.131	B D	mg/L		2	20

Lab Sample ID: MB 300-10540/5
Matrix: Water
Analysis Batch: 10540

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			03/05/18 17:21	1
Fluoride	0.025	U	0.050	0.025	mg/L			03/05/18 17:21	1
Sulfate	0.13	U	0.25	0.13	mg/L			03/05/18 17:21	1

Lab Sample ID: LCS 300-10540/6
Matrix: Water
Analysis Batch: 10540

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	16.0	15.5		mg/L		97	80 - 120
Fluoride	4.00	3.89		mg/L		97	80 - 120

TestAmerica Richland

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

TestAmerica Job ID: 300-6843-1
 SDG: WC2749

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 300-10540/6
Matrix: Water
Analysis Batch: 10540

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	20.0	19.3		mg/L		97	80 - 120

Lab Sample ID: 300-6843-7 MS
Matrix: Water
Analysis Batch: 10540

Client Sample ID: B3FTD2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	13	D	3.20	16.2	D	mg/L		90	75 - 125
Fluoride	0.29	D	0.800	1.02	D	mg/L		92	75 - 125
Sulfate	24	D	4.00	27.8	D	mg/L		96	75 - 125

Lab Sample ID: 300-6843-7 DU
Matrix: Water
Analysis Batch: 10540

Client Sample ID: B3FTD2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chloride	13	D	13.1	D	mg/L		1	20
Fluoride	0.29	D	0.286	D	mg/L		0.8	20
Sulfate	24	D	23.7	D	mg/L		0.9	20

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

TestAmerica Job ID: 300-6843-1
 SDG: WC2749

HPLC/IC

Analysis Batch: 10539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-6843-1	B3FTD5	Total/NA	Water	300.0	
300-6843-1	B3FTD5	Total/NA	Water	300.0	
300-6843-2	B3FRL5	Total/NA	Water	300.0	
300-6843-2	B3FRL5	Total/NA	Water	300.0	
300-6843-3	B3FRL8	Total/NA	Water	300.0	
300-6843-3	B3FRL8	Total/NA	Water	300.0	
300-6843-4	B3FTC9	Total/NA	Water	300.0	
300-6843-4	B3FTC9	Total/NA	Water	300.0	
300-6843-5	B3FRL4	Total/NA	Water	300.0	
300-6843-6	B3FRM1	Total/NA	Water	300.0	
300-6843-6	B3FRM1	Total/NA	Water	300.0	
300-6843-7	B3FTD2	Total/NA	Water	300.0	
300-6843-8	B3FRP0	Total/NA	Water	300.0	
300-6843-8	B3FRP0	Total/NA	Water	300.0	
MB 300-10539/5	Method Blank	Total/NA	Water	300.0	
LCS 300-10539/6	Lab Control Sample	Total/NA	Water	300.0	
300-6843-7 MS	B3FTD2	Total/NA	Water	300.0	
300-6843-7 DU	B3FTD2	Total/NA	Water	300.0	
300-6843-7 DU	B3FTD2	Total/NA	Water	300.0	

Analysis Batch: 10540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-6843-1	B3FTD5	Total/NA	Water	300.0	
300-6843-2	B3FRL5	Total/NA	Water	300.0	
300-6843-3	B3FRL8	Total/NA	Water	300.0	
300-6843-4	B3FTC9	Total/NA	Water	300.0	
300-6843-5	B3FRL4	Total/NA	Water	300.0	
300-6843-6	B3FRM1	Total/NA	Water	300.0	
300-6843-7	B3FTD2	Total/NA	Water	300.0	
300-6843-8	B3FRP0	Total/NA	Water	300.0	
MB 300-10540/5	Method Blank	Total/NA	Water	300.0	
LCS 300-10540/6	Lab Control Sample	Total/NA	Water	300.0	
300-6843-7 MS	B3FTD2	Total/NA	Water	300.0	
300-6843-7 DU	B3FTD2	Total/NA	Water	300.0	

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

TestAmerica Job ID: 300-6843-1
SDG: WC2749

Client Sample ID: B3FTD5
Date Collected: 03/05/18 13:19
Date Received: 03/05/18 14:50

Lab Sample ID: 300-6843-1
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	300.0		2			10539	03/06/18 04:20	RTQ	TAL RCH
Total/NA	Analysis	300.0		2			10540	03/06/18 04:20	RTQ	TAL RCH
Total/NA	Analysis	300.0		5			10539	03/06/18 10:30	RTQ	TAL RCH

Client Sample ID: B3FRL5
Date Collected: 03/05/18 09:23
Date Received: 03/05/18 14:50

Lab Sample ID: 300-6843-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2			10539	03/06/18 04:04	RTQ	TAL RCH
Total/NA	Analysis	300.0		2			10540	03/06/18 04:04	RTQ	TAL RCH
Total/NA	Analysis	300.0		5			10539	03/06/18 10:14	RTQ	TAL RCH

Client Sample ID: B3FRL8
Date Collected: 03/05/18 12:24
Date Received: 03/05/18 14:50

Lab Sample ID: 300-6843-3
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			10539	03/06/18 03:48	RTQ	TAL RCH
Total/NA	Analysis	300.0		2			10540	03/06/18 03:48	RTQ	TAL RCH
Total/NA	Analysis	300.0		5			10539	03/06/18 09:58	RTQ	TAL RCH

Client Sample ID: B3FTC9
Date Collected: 03/05/18 11:30
Date Received: 03/05/18 14:50

Lab Sample ID: 300-6843-4
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			10539	03/06/18 03:32	RTQ	TAL RCH
Total/NA	Analysis	300.0		2			10540	03/06/18 03:32	RTQ	TAL RCH
Total/NA	Analysis	300.0		5			10539	03/06/18 09:42	RTQ	TAL RCH

Client Sample ID: B3FRL4
Date Collected: 03/05/18 06:15
Date Received: 03/05/18 14:50

Lab Sample ID: 300-6843-5
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			10539	03/06/18 03:16	RTQ	TAL RCH
Total/NA	Analysis	300.0		2			10540	03/06/18 03:16	RTQ	TAL RCH

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

TestAmerica Job ID: 300-6843-1
SDG: WC2749

Client Sample ID: B3FRM1

Lab Sample ID: 300-6843-6

Date Collected: 03/05/18 10:45

Matrix: Water

Date Received: 03/05/18 14:50

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			10539	03/06/18 03:00	RTQ	TAL RCH
Total/NA	Analysis	300.0		2			10540	03/06/18 03:00	RTQ	TAL RCH
Total/NA	Analysis	300.0		5			10539	03/06/18 09:10	RTQ	TAL RCH

Client Sample ID: B3FTD2

Lab Sample ID: 300-6843-7

Date Collected: 03/05/18 10:06

Matrix: Water

Date Received: 03/05/18 14:50

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			10539	03/06/18 01:56	RTQ	TAL RCH
Total/NA	Analysis	300.0		2			10540	03/06/18 01:56	RTQ	TAL RCH

Client Sample ID: B3FRP0

Lab Sample ID: 300-6843-8

Date Collected: 03/05/18 12:20

Matrix: Water

Date Received: 03/05/18 14:50

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			10539	03/06/18 02:44	RTQ	TAL RCH
Total/NA	Analysis	300.0		2			10540	03/06/18 02:44	RTQ	TAL RCH
Total/NA	Analysis	300.0		5			10539	03/06/18 08:53	RTQ	TAL RCH

Client Sample ID: Method Blank

Lab Sample ID: MB 300-10539/5

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			10539	03/05/18 17:21	RTQ	TAL RCH

Client Sample ID: Method Blank

Lab Sample ID: MB 300-10540/5

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			10540	03/05/18 17:21	RTQ	TAL RCH

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 300-10539/6

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			10539	03/05/18 17:37	RTQ	TAL RCH

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

TestAmerica Job ID: 300-6843-1
SDG: WC2749

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 300-10540/6

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			10540	03/05/18 17:37	RTQ	TAL RCH

Client Sample ID: B3FTD2

Lab Sample ID: 300-6843-7 MS

Date Collected: 03/05/18 10:06

Matrix: Water

Date Received: 03/05/18 14:50

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			10539	03/06/18 02:12	RTQ	TAL RCH
Total/NA	Analysis	300.0		2			10540	03/06/18 02:12	RTQ	TAL RCH

Client Sample ID: B3FTD2

Lab Sample ID: 300-6843-7 DU

Date Collected: 03/05/18 10:06

Matrix: Water

Date Received: 03/05/18 14:50

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			10539	03/06/18 02:28	RTQ	TAL RCH
Total/NA	Analysis	300.0		2			10540	03/06/18 02:28	RTQ	TAL RCH
Total/NA	Analysis	300.0		5			10539	03/06/18 08:37	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: W18-001

TestAmerica Job ID: 300-6843-1
SDG: WC2749

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	TAL RCH

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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: 300-6843-1
SDG: WC2749

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
300-6843-1	B3FTD5	Water	03/05/18 13:19	03/05/18 14:50
300-6843-2	B3FRL5	Water	03/05/18 09:23	03/05/18 14:50
300-6843-3	B3FRL8	Water	03/05/18 12:24	03/05/18 14:50
300-6843-4	B3FTC9	Water	03/05/18 11:30	03/05/18 14:50
300-6843-5	B3FRL4	Water	03/05/18 06:15	03/05/18 14:50
300-6843-6	B3FRM1	Water	03/05/18 10:45	03/05/18 14:50
300-6843-7	B3FTD2	Water	03/05/18 10:06	03/05/18 14:50
300-6843-8	B3FRP0	Water	03/05/18 12:20	03/05/18 14:50

- 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: 300-6843-1

SDG Number: WC2749

Login Number: 6843**List Number: 1****Creator: Bock, Julie A****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	