

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: 300-6500-1
TestAmerica Sample Delivery Group: WC2568
Client Project/Site: I18-003

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

Attn: CPP Sample Management

Kristine D. Allen

Authorized for release by:
12/19/2017 5:19:49 PM
Kristine Allen, Manager of Project Management
(253)248-4970
kristine.allen@testamericainc.com

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



LINKS

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Have a Question?



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Client: CH2M Hill Plateau Remediation Company
 Project/Site: I18-003

TestAmerica Job ID: 300-6500-1
 SDG: WC2568

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
D	The reported value is from a dilution.
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: I18-003

TestAmerica Job ID: 300-6500-1
SDG: WC2568

Job ID: 300-6500-1

Laboratory: TestAmerica Richland

Narrative

**Job Narrative
300-6500-1**

Comments

No additional comments.

Receipt

The samples were received on 12/4/2017 12:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 6.8° C.

HPLC/IC

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

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CH2MHILL Plateau
Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C.#
I18-003-203
Page 1 of 1

Collector: Juan Aguilar CH2M HILL Contact/Requester: Karen Waters-Husted Telephone No.: 509-376-4650

SAF No.: I18-003 Sampling Origin: Hanford Site Purchase Order/Charge Code: 300071

Project Title: AEA, DECEMBER 2017 Logbook No.: HNF-N-506-96163 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: SURV Priority: 15 Days PRIORITY 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
B3FF62	N	W	12-4-17	0932	1x125-mL P	300.0_ANTIONS_IC: COMMON	48 Hours	COOL <=6C

#10500
w/ cases



300-6500 COC

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>Juan Aguilar</u> <small>CH2M HILL</small>	DEC 04 2017	1150	Received By: <u>Troy Bacon</u> <small>CH2M HILL</small>	DEC 04 2017	1150
<i>Print First and Last Name</i>	<i>Signature</i>	<i>Date/Time</i>	<i>Print First and Last Name</i>	<i>Signature</i>	<i>Date/Time</i>
Relinquished By: <u>Woyl. Bacon</u>	DEC 04 2017	1210	Received By: <u>J. Boek, TARI</u>	DEC 04 2017	1210
<i>Print First and Last Name</i>	<i>Signature</i>	<i>Date/Time</i>	<i>Print First and Last Name</i>	<i>Signature</i>	<i>Date/Time</i>
Relinquished By: _____	<i>Signature</i>	<i>Date/Time</i>	Received By: _____	<i>Signature</i>	<i>Date/Time</i>
<i>Print First and Last Name</i>	<i>Signature</i>	<i>Date/Time</i>	<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>Date/Time:</i>

CH2MBill Plateau
Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C.#
I18-003-194
Page 1 of 1

Collector: Malcom Chunn
CHRC

SAF No.: I18-003

Project Title: AEA, DECEMBER 2017

Shipped To (Lab): TestAmerica Incorporated, Rich

Protocol: SURV

Contact/Requester: Karen Waters - Husted

Sampling Origin: Hanford Site

Logbook No.: HNF-N-506 94/93

Method of Shipment: GOVERNMENT VEHICLE

Priority: 15 Days PRIORITY

Telephone No.: 509-376-4650

Purchase Order/Charge Code: 300071

Ice Chest No.: N/A

Bill of Lading/Air Bill No.: N/A

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
B3FFC8	N	W	DEC 04 2017	1028	1x125-ml P	300.0_ANTIONS_IC: COMMON	48 Hours	COOL <=6C

u500
u500

Relinquished By: MR [Signature] DEC 04 2017 1135

Received By: Troy Bacon CHRC [Signature] DEC 04 2017 1135

Relinquished By: [Signature] DEC 04 2017 1210

Received By: [Signature] 1. Bock, TARI [Signature] 12-4-17 1210

Relinquished By: [Signature]

Received By: [Signature]

Relinquished By: [Signature]

Received By: [Signature]

Relinquished By: [Signature]

Received By: [Signature]

FINAL SAMPLE DISPOSITION: Disposal Method (e.g., Return to customer, per lab procedure, used in process):

Disposed By: [Signature]

Date/Time: [Signature]

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

Collector: **J.C. Fulton**
 SAF No.: I18-003
 Project Title: AEA, DECEMBER 2017
 Shipped To (Lab): **TestAmerica Incorporated, Rich**
 Protocol: SURV

Contact/Requester: Karen Waters-Husted
 Sampling Origin: Hanford Site
 Logbook No.: HNF-N-506 - 45-Pg 63
 Method of Shipment: GOVERNMENT VEHICLE
 Priority: 15 Days PRIORITY

Telephone No.: 509-376-4650
 Purchase Order/Charge Code: 300071
 Ice Chest No.: N/A
 Bill of Lading/Air Bill No.: N/A
 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

Sample No.	Filter	* Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B3FF50	N	W	12/11/10	1x125-mL P	300.0_ANTONS_IC: COMMON	48 HOURS	COOL <=6C

Relinquished By: **J.C. Fulton** (Signature) **1130** DEC 04 2017
 Received By: **Troy Bacon** (Signature) **1210** DEC 04 2017
 Relinquished By: **Troy Bacon** (Signature) DEC 04 2017
 Received By: **J. Bock, TARL** (Signature) 1210
 Relinquished By: _____ (Signature) _____
 Received By: _____ (Signature) _____

Relinquished By: _____ (Signature) _____
 Received By: _____ (Signature) _____

Relinquished By: _____ (Signature) _____
 Received By: _____ (Signature) _____

Printed On 10/30/2017 FSR ID = FSR52972 A-6004-842 (REV 3)

December 19, 2017

REVISION 0

6500
w cases

Client: CH2M Hill Plateau Remediation Company
Project/Site: I18-003

TestAmerica Job ID: 300-6500-1
SDG: WC2568

Client Sample ID: B3FF62

Lab Sample ID: 300-6500-1

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	5.8	D	0.056	0.028	mg/L	2		300.0	Total/NA
Fluoride	0.34	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	52	D	0.50	0.25	mg/L	2		300.0	Total/NA

Client Sample ID: B3FF19

Lab Sample ID: 300-6500-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	12	D	0.40	0.20	mg/L	2		300.0	Total/NA
Fluoride	1.7	D	0.10	0.050	mg/L	2		300.0	Total/NA
Sulfate	0.28	B D	0.50	0.25	mg/L	2		300.0	Total/NA

Client Sample ID: B3FFC8

Lab Sample ID: 300-6500-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	12	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	0.077	D	0.056	0.028	mg/L	2		300.0	Total/NA
Fluoride	1.7	D	0.10	0.050	mg/L	2		300.0	Total/NA

Client Sample ID: B3FF50

Lab Sample ID: 300-6500-4

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	6.1	D	0.056	0.028	mg/L	2		300.0	Total/NA
Fluoride	0.30	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	55	D	0.50	0.25	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: I18-003

TestAmerica Job ID: 300-6500-1
SDG: WC2568

Client Sample ID: B3FF62

Lab Sample ID: 300-6500-1

Date Collected: 12/04/17 09:32

Matrix: Water

Date Received: 12/04/17 12:10

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			12/05/17 13:39	2
Nitrate as N	5.8	D	0.056	0.028	mg/L			12/05/17 13:39	2
Fluoride	0.34	D	0.10	0.050	mg/L			12/05/17 13:39	2
Nitrite as N	0.10	D	0.076	0.038	mg/L			12/05/17 13:39	2
Sulfate	52	D	0.50	0.25	mg/L			12/05/17 13:39	2

Client Sample ID: B3FF19

Lab Sample ID: 300-6500-2

Date Collected: 12/04/17 09:44

Matrix: Water

Date Received: 12/04/17 12:10

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12	D	0.40	0.20	mg/L			12/05/17 12:54	2
Nitrate as N	0.028	U D	0.056	0.028	mg/L			12/05/17 12:54	2
Fluoride	1.7	D	0.10	0.050	mg/L			12/05/17 12:54	2
Nitrite as N	0.038	U D	0.076	0.038	mg/L			12/05/17 12:54	2
Sulfate	0.28	B D	0.50	0.25	mg/L			12/05/17 12:54	2

Client Sample ID: B3FFC8

Lab Sample ID: 300-6500-3

Date Collected: 12/04/17 10:28

Matrix: Water

Date Received: 12/04/17 12:10

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12	D	0.40	0.20	mg/L			12/05/17 13:54	2
Nitrate as N	0.077	D	0.056	0.028	mg/L			12/05/17 13:54	2
Fluoride	1.7	D	0.10	0.050	mg/L			12/05/17 13:54	2
Nitrite as N	0.038	U D	0.076	0.038	mg/L			12/05/17 13:54	2
Sulfate	0.25	U D	0.50	0.25	mg/L			12/05/17 13:54	2

Client Sample ID: B3FF50

Lab Sample ID: 300-6500-4

Date Collected: 12/04/17 11:10

Matrix: Water

Date Received: 12/04/17 12:10

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			12/05/17 14:09	2
Nitrate as N	6.1	D	0.056	0.028	mg/L			12/05/17 14:09	2
Fluoride	0.30	D	0.10	0.050	mg/L			12/05/17 14:09	2
Nitrite as N	0.10	D	0.076	0.038	mg/L			12/05/17 14:09	2
Sulfate	55	D	0.50	0.25	mg/L			12/05/17 14:09	2

Client: CH2M Hill Plateau Remediation Company
Project/Site: I18-003

TestAmerica Job ID: 300-6500-1
SDG: WC2568

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 300-9864/5
Matrix: Water
Analysis Batch: 9864

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			12/05/17 12:24	1
Nitrite as N	0.019	U	0.038	0.019	mg/L			12/05/17 12:24	1

Lab Sample ID: LCS 300-9864/6
Matrix: Water
Analysis Batch: 9864

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	2.30		mg/L		102	80 - 120
Nitrite as N	3.04	3.24		mg/L		107	80 - 120

Lab Sample ID: 300-6500-2 MS
Matrix: Water
Analysis Batch: 9864

Client Sample ID: B3FF19
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	0.028	U D	0.452	0.379	D	mg/L		84	75 - 125
Nitrite as N	0.038	U D	0.609	0.576	D	mg/L		95	75 - 125

Lab Sample ID: 300-6500-2 DU
Matrix: Water
Analysis Batch: 9864

Client Sample ID: B3FF19
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Nitrate as N	0.028	U D	0.028	U D	mg/L		NC	20
Nitrite as N	0.038	U D	0.038	U D	mg/L		NC	20

Lab Sample ID: MB 300-9865/5
Matrix: Water
Analysis Batch: 9865

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			12/05/17 12:24	1
Fluoride	0.025	U	0.050	0.025	mg/L			12/05/17 12:24	1
Sulfate	0.13	U	0.25	0.13	mg/L			12/05/17 12:24	1

Lab Sample ID: LCS 300-9865/6
Matrix: Water
Analysis Batch: 9865

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	16.4		mg/L		103	80 - 120
Fluoride	4.00	4.17		mg/L		104	80 - 120
Sulfate	20.0	20.8		mg/L		104	80 - 120

Client: CH2M Hill Plateau Remediation Company
 Project/Site: I18-003

TestAmerica Job ID: 300-6500-1
 SDG: WC2568

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 300-6500-2 MS
Matrix: Water
Analysis Batch: 9865

Client Sample ID: B3FF19
Prep Type: Total/NA

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec.	
	Result	Qualifier		Result	Qualifier				Limits	
Chloride	12	D	3.20	16.0	D	mg/L		116	75 - 125	
Fluoride	1.7	D	0.800	2.59	D	mg/L		117	75 - 125	
Sulfate	0.28	B D	4.00	4.02	D	mg/L		94	75 - 125	

Lab Sample ID: 300-6500-2 DU
Matrix: Water
Analysis Batch: 9865

Client Sample ID: B3FF19
Prep Type: Total/NA

Analyte	Sample	Sample	DU		Unit	D	RPD	RPD	
	Result	Qualifier	Result	Qualifier				Limit	
Chloride	12	D	12.7	D	mg/L		3	20	
Fluoride	1.7	D	1.72	D	mg/L		4	20	
Sulfate	0.28	B D	0.287	B D	mg/L		3	20	



Client: CH2M Hill Plateau Remediation Company
 Project/Site: I18-003

TestAmerica Job ID: 300-6500-1
 SDG: WC2568

HPLC/IC

Analysis Batch: 9864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-6500-1	B3FF62	Total/NA	Water	300.0	
300-6500-2	B3FF19	Total/NA	Water	300.0	
300-6500-3	B3FFC8	Total/NA	Water	300.0	
300-6500-4	B3FF50	Total/NA	Water	300.0	
MB 300-9864/5	Method Blank	Total/NA	Water	300.0	
LCS 300-9864/6	Lab Control Sample	Total/NA	Water	300.0	
300-6500-2 MS	B3FF19	Total/NA	Water	300.0	
300-6500-2 DU	B3FF19	Total/NA	Water	300.0	

Analysis Batch: 9865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-6500-1	B3FF62	Total/NA	Water	300.0	
300-6500-2	B3FF19	Total/NA	Water	300.0	
300-6500-3	B3FFC8	Total/NA	Water	300.0	
300-6500-4	B3FF50	Total/NA	Water	300.0	
MB 300-9865/5	Method Blank	Total/NA	Water	300.0	
LCS 300-9865/6	Lab Control Sample	Total/NA	Water	300.0	
300-6500-2 MS	B3FF19	Total/NA	Water	300.0	
300-6500-2 DU	B3FF19	Total/NA	Water	300.0	

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Client: CH2M Hill Plateau Remediation Company
Project/Site: I18-003

TestAmerica Job ID: 300-6500-1
SDG: WC2568

Client Sample ID: B3FF62

Date Collected: 12/04/17 09:32

Date Received: 12/04/17 12:10

Lab Sample ID: 300-6500-1

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			9864	12/05/17 13:39	RTQ	TAL RCH
Total/NA	Analysis	300.0		2			9865	12/05/17 13:39	RTQ	TAL RCH

Client Sample ID: B3FF19

Date Collected: 12/04/17 09:44

Date Received: 12/04/17 12:10

Lab Sample ID: 300-6500-2

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			9864	12/05/17 12:54	RTQ	TAL RCH
Total/NA	Analysis	300.0		2			9865	12/05/17 12:54	RTQ	TAL RCH

Client Sample ID: B3FFC8

Date Collected: 12/04/17 10:28

Date Received: 12/04/17 12:10

Lab Sample ID: 300-6500-3

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			9864	12/05/17 13:54	RTQ	TAL RCH
Total/NA	Analysis	300.0		2			9865	12/05/17 13:54	RTQ	TAL RCH

Client Sample ID: B3FF50

Date Collected: 12/04/17 11:10

Date Received: 12/04/17 12:10

Lab Sample ID: 300-6500-4

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			9864	12/05/17 14:09	RTQ	TAL RCH
Total/NA	Analysis	300.0		2			9865	12/05/17 14:09	RTQ	TAL RCH

Client Sample ID: Method Blank

Date Collected: N/A

Date Received: N/A

Lab Sample ID: MB 300-9864/5

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			9864	12/05/17 12:24	RTQ	TAL RCH

Client Sample ID: Method Blank

Date Collected: N/A

Date Received: N/A

Lab Sample ID: MB 300-9865/5

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			9865	12/05/17 12:24	RTQ	TAL RCH

Client: CH2M Hill Plateau Remediation Company
 Project/Site: I18-003

TestAmerica Job ID: 300-6500-1
 SDG: WC2568

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 300-9864/6

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			9864	12/05/17 12:39	RTQ	TAL RCH

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 300-9865/6

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			9865	12/05/17 12:39	RTQ	TAL RCH

Client Sample ID: B3FF19

Lab Sample ID: 300-6500-2 MS

Date Collected: 12/04/17 09:44

Matrix: Water

Date Received: 12/04/17 12:10

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			9864	12/05/17 13:09	RTQ	TAL RCH
Total/NA	Analysis	300.0		2			9865	12/05/17 13:09	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: I18-003

TestAmerica Job ID: 300-6500-1
SDG: WC2568

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: I18-003

TestAmerica Job ID: 300-6500-1
SDG: WC2568

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
300-6500-1	B3FF62	Water	12/04/17 09:32	12/04/17 12:10
300-6500-2	B3FF19	Water	12/04/17 09:44	12/04/17 12:10
300-6500-3	B3FFC8	Water	12/04/17 10:28	12/04/17 12:10
300-6500-4	B3FF50	Water	12/04/17 11:10	12/04/17 12:10

- 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: 300-6500-1

SDG Number: WC2568

Login Number: 6500

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	

