

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: 300-1849-1
TestAmerica Sample Delivery Group: WC0713
Client Project/Site: X15-070

For:
CH2M Hill Plateau Remediation Company
PO BOX 1600
Mail Stop R3-50
Richland, Washington 99352

Attn: CPP Sample Management



Authorized for release by:
12/23/2015 9:44:57 AM
Steven Campbell, Quality Assurance Assistant
steven.campbell@testamericainc.com

Designee for
Whitney Ritari, Project Manager I
(509)375-3131 ext164
whitney.ritari@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. The sample/ sample duplicate RPD agreement is not applicable if one or both results are elss than five times the MDL.



LINKS

Review your project results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

- 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

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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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: X15-070

TestAmerica Job ID: 300-1849-1
SDG: WC0713

Job ID: 300-1849-1

Laboratory: TestAmerica Richland

Narrative

**Job Narrative
300-1849-1**

Comments

No additional comments.

Receipt

The samples were received on 12/15/2015 12:35 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 11.9° C.

HPLC/IC

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



Collector	S.W. King/CHPRC	Contact/Requester	WHITLEY, KM	Telephone No.	373-4929
SAF No.	X15-070	Sampling Origin	Hanford Site	Purchase Order/Charge Code	300205
Project Title	300 Area Uranium Sequestration Post Inj	Logbook No.	HNF-N-506 <u>88/12</u>	Ice Chest No.	N/A
Shipped To (Lab)	TestAmerica Incorporated, Richland	Method of Shipment	GOVERNMENT VEHICLE	Bill of Lading/Air Bill No.	N/A
Protocol	CERCLA	Priority:	30 Days	Offsite Property No.	N/A
POSSIBLE SAMPLE HAZARDS/REMARKS			SPECIAL INSTRUCTIONS		
*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/LATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.			Hold Time		
			Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B339X0	N	W			1x500-mL P	300.0_ANIONS_IC: COMMON; 300.0_ANIONS_IC: GW 01	48 Hours	Cool <=-6C

DEC 15 2015

IBS

1849
WCC0113

300-1849 COC



December 23, 2015

Reinquished By	S.W. King/CHPRC	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time	Matrix *
Reinquished By	<i>[Signature]</i>			DEC 15 2015 1235	<i>[Signature]</i>			DEC 15 2015 1235	S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air
Reinquished By									DS = Drum Solids DL = Drum Liquids T = Tissue WT = Wipe L = Liquid V = Vegetation X = Other

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. #

X15-070-033

Page 1 of 1

Collector	S.W. King/CHPRC	Contact/Requester	WHITLEY, KM	Telephone No.	373-4929
SAF No.	X15-070	Sampling Origin	Hanford Site	Purchase Order/Charge Code	300205
Project Title	300 Area Uranium Sequestration Post Inj	Logbook No.	HNF-N-506 <u>83/12</u>	Ice Chest No.	N/A
Shipped To (Lab)	TestAmerica Incorporated, Richland	Method of Shipment	GOVERNMENT VEHICLE	Bill of Lading/Air Bill No.	N/A
Protocol	CERCLA	Priority:	30 Days	Offsite Property No.	N/A
POSSIBLE SAMPLE HAZARDS/REMARKS			SPECIAL INSTRUCTIONS		
*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/JATA Dangerous Goods Regulations but are not releasable per DOE Order 438.1.			Hold Time		
			Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B339M6	N		DEC 15 2015	0930	1x500-mL P	300.0_ANIONS_IC: COMMON; 300.0_ANIONS_IC: GW 01	48 Hours	Cool <=6C

#1849
W30013

December 23, 2015

Relinquished By	S.W. King/CHPRC	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time	Matrix *
Relinquished By	<i>[Signature]</i>			DEC 15 2015 1235	<i>[Signature]</i>			DEC 15 2015 1235	S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air
Relinquished By					Received By				DS = Drum Solids DL = Drum Liquids T = Tissue WT = Wipe L = Liquid V = Vegetation X = Other
Relinquished By					Received By				
FINAL SAMPLE DISPOSITION					Disposal Method (e.g., Return to customer, per lab procedure, used in process)				

Collector	SW King/CHERC	Contact/Requester	WHITLEY, KM	Telephone No.	373-4929
SAF No.	X15-070	Sampling Origin	Hanford Site	Purchase Order/Charge Code	300205
Project Title	300 Area Uranium Segregation Post Inj	Logbook No.	HNF-N-506 <u>83/13</u>	Ice Chest No.	N/A
Shipped To (Lab)	TestAmerica Incorporated, Richland	Method of Shipment	GOVERNMENT VEHICLE	Bill of Lading/Air Bill No.	N/A
Protocol	CERCLA	Priority:	30 Days	Offsite Property No.	N/A
POSSIBLE SAMPLE HAZARDS/REMARKS			SPECIAL INSTRUCTIONS		
*Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR/ATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.			Hold Time		
			Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B339X4	N	W	DEC 15 2015	1150	1x500-mL P	300.0_ANIONS_IC: COMMON; 300.0_ANIONS_IC: GW 01	48 Hours	Cool <=6C

#1849
WCC013

December 23, 2015

Relinquished By	SW King/CHERC	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time	Matrix *
Relinquished By	<i>[Signature]</i>			DEC 15 2015 1255	Beck J. BOLTAN			DEC 15 2015 1255	S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air
Relinquished By									DS = Drum Solids DL = Drum Liquids T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other
Relinquished 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. #

X15-070-036

Page 1 of 1

Collector	S.W. King/CHPRC	Contact/Requester	WHITLEY, KM	Telephone No.	373-4929
SAF No.	X15-070	Sampling Origin	Hanford Site	Purchase Order/Charge Code	300205
Project Title	300 Area Uranium Sequestration Post Inj	Logbook No.	HNF-N-506 83/12	Ice Chest No.	N/A
Shipped To (Lab)	TestAmerica Incorporated, Richland	Method of Shipment	GOVERNMENT VEHICLE	Bill of Lading/Air Bill No.	N/A
Protocol	CERCLA	Priority:	30 Days	Offsite Property No.	N/A
POSSIBLE SAMPLE HAZARDS/REMARKS			SPECIAL INSTRUCTIONS		
*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/ATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.			Hold Time		
			Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		

Sample No.	Filter	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B33918	N	DEC 15 2015	0835	1x500-mL P	300.0_ANIONS_IC: COMMON; 300.0_ANIONS_IC: GW 01	48 Hours	Cool <=6C

1849
W3E0113

December 23, 2015

Reinquished By	S.W. King/CHPRC	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time	Matrix *
Reinquished By	<i>[Signature]</i>			DEC 15 2015 1235	<i>[Signature]</i>			DEC 15 2015 1235	S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air
Reinquished By									DS = Drum Solids DL = Drum Liquids T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other

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. #
X15-070-042

Page 1 of 1

Collector	S.W. King/CHPRC	Contact/Requester	WHITLEY, KM	Telephone No.	373-4929
SAF No.	X15-070	Sampling Origin	Hanford Site	Purchase Order/Charge Code	300205
Project Title	300 Area Uranium Sequestration Post Inj	Logbook No.	HNP-N-506 <u>88/13</u>	Ice Chest No.	N/A
Shipped To (Lab)	TestAmerica Incorporated, Richland	Method of Shipment	GOVERNMENT VEHICLE	Bill of Lading/Air Bill No.	N/A
Protocol	CERCLA	Priority:	30 Days	Offsite Property No.	N/A
POSSIBLE SAMPLE HAZARDS/REMARKS			SPECIAL INSTRUCTIONS		
*Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR/ATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.			Hold Time		
			Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		

Sample No.	Filter	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B339W6	N	DEC 15 2015	1125	1x500-mL P	300.0_ANIONS_IC: COMMON; 300.0_ANIONS_IC: GW 01	48 Hours	Cool <=6C

1849
W3E0113

December 23, 2015

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time	Matrix * S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air DS = Drum Solids DL = Drum Liquids T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other
Relinquished By	S.W. King/CHPRC	[Signature]	DEC 15 2015 1255	Received By	[Signature]	[Signature]	DEC 15 2015 1255	
Relinquished By	[Signature]	[Signature]	Date/Time	Received By	[Signature]	[Signature]	Date/Time	
Relinquished By	[Signature]	[Signature]	Date/Time	Received By	[Signature]	[Signature]	Date/Time	
FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process)								Date/Time

CH2M Hill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #

X15-070-043

Page 1 of 1

Collector	S.W. King/CHPRC	Contact/Requester	WHITLEY, KM	Telephone No.	373-4929
SAF No.	X15-070	Sampling Origin	Hanford Site	Purchase Order/Charge Code	300205
Project Title	300 Area Uranium Segregation Post Inj	Logbook No.	HNF-N-506 83/12	Ice Chest No.	N/A
Shipped To (Lab)	TestAmerica Incorporated, Richland	Method of Shipment	GOVERNMENT VEHICLE	Bill of Lading/Air Bill No.	N/A
Protocol	CERCLA	Priority:	30 Days	Offsite Property No.	N/A
POSSIBLE SAMPLE HAZARDS/REMARKS			SPECIAL INSTRUCTIONS		
*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CER/LATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.			Hold Time		
			Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		

Sample No.	Filter	* Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B339N0	N	DEC 15 2015	0955	1x500-mL P	300.0_ANIONS_IC: COMMON; 300.0_ANIONS_IC: GW 01	48 Hours	Cool <=6C

Handwritten: 1849
W20113

December 23, 2015

Relinquished By	S.W. King/CHPRC	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time	Matrix *
Relinquished By	<i>[Signature]</i>			DEC 15 2015 1235	<i>[Signature]</i>			DEC 15 2015 1235	S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air
Relinquished By					Received By				DS = Drum Solids DL = Drum Liquids T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other
Relinquished By					Received By				

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #

X15-070-049

Page 1 of 1

Collector	S.W. King/CHPRC	Contact/Requester	WHITLEY, KM	Telephone No.	373-4929
SAF No.	X15-070	Sampling Origin	Hanford Site	Purchase Order/Charge Code	300205
Project Title	300 Area Uranium Sequestration Post Inj	Logbook No.	HNF-N-50683/12	Ice Chest No.	N/A
Shipped To (Lab)	TestAmerica Incorporated, Richland	Method of Shipment	GOVERNMENT VEHICLE	Bill of Lading/Air Bill No.	N/A
Protocol	CERCLA	Priority:	30 Days	Offsite Property No.	N/A
POSSIBLE SAMPLE HAZARDS/REMARKS			SPECIAL INSTRUCTIONS		
*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.			Hold Time		
			Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B339W2	N	W	DEC 15 2015	1035	1x500-mL P	300.0_ANIONS_IC: COMMON; 300.0_ANIONS_IC: GW 01	48 Hours	Cool <=6C

1849
W 00113

December 23, 2015

Reinquished By	S.W. King/CHPRC	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time	Matrix *
Reinquished By	<i>[Signature]</i>			DEC 15 2015 1235	<i>[Signature]</i>			DEC 15 2015 1235	S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air
Reinquished By					Received By				DS = Drum Solids DL = Drum Liquids T = Tissue WT = Wipe L = Liquid V = Vegetation X = Other

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. #
X15-070-053
Page 1 of 1

Collector	S.W. King/CHPC	Contact/Requester	WHITLEY, KM	Telephone No.	373-4929
SAF No.	X15-070	Sampling Origin	Hanford Site	Purchase Order/Charge Code	300205
Project Title	300 Area Uranium Sequestration Post Inj	Logbook No.	HNF-N-506 8812	Ice Chest No.	N/A
Shipped To (Lab)	TestAmerica Incorporated, Richland	Method of Shipment	GOVERNMENT VEHICLE	Bill of Lading/Air Bill No.	N/A
Protocol	CERCLA	Priority:	30 Days	Offsite Property No.	N/A
POSSIBLE SAMPLE HAZARDS/REMARKS			SPECIAL INSTRUCTIONS		
*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CER/ATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.			Hold Time		
			Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		

Sample No.	Filter	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B339M2	N	DEC 15 2015	0900	1x500-mL P	300.0_ANIONS_IC: COMMON; 300.0_ANIONS_IC: GW/01	48 Hours	Cool <=6C

1849
W02013

December 23, 2015

Relinquished By	S.W. King/CHPC	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time	Matrix *
Relinquished By	<i>[Signature]</i>			DEC 15 2015 1035	<i>[Signature]</i>			DEC 15 2015 1235	S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air
Relinquished By					Received By				DS = Drum Solids DL = Drum Liquids T = Tissue WT = Wipe L = Liquid V = Vegetation X = Other
Relinquished By					Received By				

Client: CH2M Hill Plateau Remediation Company
Project/Site: X15-070TestAmerica Job ID: 300-1849-1
SDG: WC0713

Client Sample ID: B339X0

Lab Sample ID: 300-1849-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	20	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	5.7	D	0.056	0.028	mg/L	2		300.0	Total/NA
Fluoride	0.25	D	0.10	0.050	mg/L	2		300.0	Total/NA
Orthophosphate as P	88	D	0.82	0.41	mg/L	10		300.0	Total/NA
Sulfate	57	D	0.50	0.25	mg/L	2		300.0	Total/NA

Client Sample ID: B339M6

Lab Sample ID: 300-1849-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	22	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	5.6	D	0.056	0.028	mg/L	2		300.0	Total/NA
Fluoride	0.29	D	0.10	0.050	mg/L	2		300.0	Total/NA
Orthophosphate as P	19	D	0.16	0.082	mg/L	2		300.0	Total/NA
Sulfate	59	D	0.50	0.25	mg/L	2		300.0	Total/NA

Client Sample ID: B339X4

Lab Sample ID: 300-1849-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	22	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	5.6	D	0.056	0.028	mg/L	2		300.0	Total/NA
Fluoride	0.25	D	0.10	0.050	mg/L	2		300.0	Total/NA
Orthophosphate as P	83	D	0.82	0.41	mg/L	10		300.0	Total/NA
Sulfate	55	D	0.50	0.25	mg/L	2		300.0	Total/NA

Client Sample ID: B339L8

Lab Sample ID: 300-1849-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	23	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	5.7	D	0.056	0.028	mg/L	2		300.0	Total/NA
Fluoride	0.36	D	0.10	0.050	mg/L	2		300.0	Total/NA
Orthophosphate as P	0.63	D	0.16	0.082	mg/L	2		300.0	Total/NA
Sulfate	59	D	0.50	0.25	mg/L	2		300.0	Total/NA

Client Sample ID: B339W6

Lab Sample ID: 300-1849-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	21	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	5.7	D	0.056	0.028	mg/L	2		300.0	Total/NA
Fluoride	0.29	D	0.10	0.050	mg/L	2		300.0	Total/NA
Orthophosphate as P	23	D	0.16	0.082	mg/L	2		300.0	Total/NA
Sulfate	58	D	0.50	0.25	mg/L	2		300.0	Total/NA

Client Sample ID: B339N0

Lab Sample ID: 300-1849-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	22	D	2.0	1.0	mg/L	10		300.0	Total/NA
Nitrate as N	6.4	D	0.28	0.14	mg/L	10		300.0	Total/NA
Fluoride	0.40	B D	0.50	0.25	mg/L	10		300.0	Total/NA
Orthophosphate as P	190	D	4.1	2.1	mg/L	50		300.0	Total/NA
Sulfate	53	D	2.5	1.3	mg/L	10		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Richland

Client: CH2M Hill Plateau Remediation Company
 Project/Site: X15-070

TestAmerica Job ID: 300-1849-1
 SDG: WC0713

Client Sample ID: B339W2

Lab Sample ID: 300-1849-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	19	D	2.0	1.0	mg/L	10		300.0	Total/NA
Nitrate as N	5.2	D	0.28	0.14	mg/L	10		300.0	Total/NA
Fluoride	0.41	B D	0.50	0.25	mg/L	10		300.0	Total/NA
Orthophosphate as P	110	D	0.82	0.41	mg/L	10		300.0	Total/NA
Sulfate	55	D	2.5	1.3	mg/L	10		300.0	Total/NA

Client Sample ID: B339M2

Lab Sample ID: 300-1849-8

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	5.8	D	0.056	0.028	mg/L	2		300.0	Total/NA
Fluoride	0.36	D	0.10	0.050	mg/L	2		300.0	Total/NA
Orthophosphate as P	0.13	B D	0.16	0.082	mg/L	2		300.0	Total/NA
Sulfate	60	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: X15-070

TestAmerica Job ID: 300-1849-1
SDG: WC0713

Client Sample ID: B339X0

Date Collected: 12/15/15 10:55

Date Received: 12/15/15 12:35

Lab Sample ID: 300-1849-1

Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20	D	0.40	0.20	mg/L			12/15/15 17:15	2
Nitrate as N	5.7	D	0.056	0.028	mg/L			12/15/15 17:15	2
Fluoride	0.25	D	0.10	0.050	mg/L			12/15/15 17:15	2
Nitrite as N	0.038	U	0.076	0.038	mg/L			12/15/15 17:15	2
Orthophosphate as P	88	D	0.82	0.41	mg/L			12/15/15 21:31	10
Sulfate	57	D	0.50	0.25	mg/L			12/15/15 17:15	2

Client Sample ID: B339M6

Date Collected: 12/15/15 09:30

Date Received: 12/15/15 12:35

Lab Sample ID: 300-1849-2

Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22	D	0.40	0.20	mg/L			12/15/15 18:00	2
Nitrate as N	5.6	D	0.056	0.028	mg/L			12/15/15 18:00	2
Fluoride	0.29	D	0.10	0.050	mg/L			12/15/15 18:00	2
Nitrite as N	0.038	U	0.076	0.038	mg/L			12/15/15 18:00	2
Orthophosphate as P	19	D	0.16	0.082	mg/L			12/15/15 18:00	2
Sulfate	59	D	0.50	0.25	mg/L			12/15/15 18:00	2

Client Sample ID: B339X4

Date Collected: 12/15/15 11:50

Date Received: 12/15/15 12:35

Lab Sample ID: 300-1849-3

Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22	D	0.40	0.20	mg/L			12/15/15 18:15	2
Nitrate as N	5.6	D	0.056	0.028	mg/L			12/15/15 18:15	2
Fluoride	0.25	D	0.10	0.050	mg/L			12/15/15 18:15	2
Nitrite as N	0.038	U	0.076	0.038	mg/L			12/15/15 18:15	2
Orthophosphate as P	83	D	0.82	0.41	mg/L			12/15/15 22:01	10
Sulfate	55	D	0.50	0.25	mg/L			12/15/15 18:15	2

Client Sample ID: B339L8

Date Collected: 12/15/15 08:35

Date Received: 12/15/15 12:35

Lab Sample ID: 300-1849-4

Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23	D	0.40	0.20	mg/L			12/15/15 18:30	2
Nitrate as N	5.7	D	0.056	0.028	mg/L			12/15/15 18:30	2
Fluoride	0.36	D	0.10	0.050	mg/L			12/15/15 18:30	2
Nitrite as N	0.038	U	0.076	0.038	mg/L			12/15/15 18:30	2
Orthophosphate as P	0.63	D	0.16	0.082	mg/L			12/15/15 18:30	2
Sulfate	59	D	0.50	0.25	mg/L			12/15/15 18:30	2

Client: CH2M Hill Plateau Remediation Company
Project/Site: X15-070TestAmerica Job ID: 300-1849-1
SDG: WC0713**Client Sample ID: B339W6**

Date Collected: 12/15/15 11:25

Date Received: 12/15/15 12:35

Lab Sample ID: 300-1849-5

Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21	D	0.40	0.20	mg/L			12/15/15 18:45	2
Nitrate as N	5.7	D	0.056	0.028	mg/L			12/15/15 18:45	2
Fluoride	0.29	D	0.10	0.050	mg/L			12/15/15 18:45	2
Nitrite as N	0.038	U	0.076	0.038	mg/L			12/15/15 18:45	2
Orthophosphate as P	23	D	0.16	0.082	mg/L			12/15/15 18:45	2
Sulfate	58	D	0.50	0.25	mg/L			12/15/15 18:45	2

Client Sample ID: B339N0

Date Collected: 12/15/15 09:55

Date Received: 12/15/15 12:35

Lab Sample ID: 300-1849-6

Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22	D	2.0	1.0	mg/L			12/15/15 23:17	10
Nitrate as N	6.4	D	0.28	0.14	mg/L			12/15/15 23:17	10
Fluoride	0.40	B D	0.50	0.25	mg/L			12/15/15 23:17	10
Nitrite as N	0.19	U	0.38	0.19	mg/L			12/15/15 23:17	10
Orthophosphate as P	190	D	4.1	2.1	mg/L			12/15/15 16:25	50
Sulfate	53	D	2.5	1.3	mg/L			12/15/15 23:17	10

Client Sample ID: B339W2

Date Collected: 12/15/15 10:35

Date Received: 12/15/15 12:35

Lab Sample ID: 300-1849-7

Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19	D	2.0	1.0	mg/L			12/15/15 23:32	10
Nitrate as N	5.2	D	0.28	0.14	mg/L			12/15/15 23:32	10
Fluoride	0.41	B D	0.50	0.25	mg/L			12/15/15 23:32	10
Nitrite as N	0.19	U	0.38	0.19	mg/L			12/15/15 23:32	10
Orthophosphate as P	110	D	0.82	0.41	mg/L			12/15/15 23:32	10
Sulfate	55	D	2.5	1.3	mg/L			12/15/15 23:32	10

Client Sample ID: B339M2

Date Collected: 12/15/15 09:00

Date Received: 12/15/15 12:35

Lab Sample ID: 300-1849-8

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			12/15/15 19:00	2
Nitrate as N	5.8	D	0.056	0.028	mg/L			12/15/15 19:00	2
Fluoride	0.36	D	0.10	0.050	mg/L			12/15/15 19:00	2
Nitrite as N	0.038	U	0.076	0.038	mg/L			12/15/15 19:00	2
Orthophosphate as P	0.13	B D	0.16	0.082	mg/L			12/15/15 19:00	2
Sulfate	60	D	0.50	0.25	mg/L			12/15/15 19:00	2

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 300-2375/5
Matrix: Water
Analysis Batch: 2375

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			12/15/15 14:40	1
Nitrite as N	0.019	U	0.038	0.019	mg/L			12/15/15 14:40	1
Orthophosphate as P	0.041	U	0.082	0.041	mg/L			12/15/15 14:40	1

Lab Sample ID: LCS 300-2375/6
Matrix: Water
Analysis Batch: 2375

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	2.43		mg/L		108	80 - 120
Nitrite as N	3.04	3.28		mg/L		108	80 - 120
Orthophosphate as P	6.53	6.96		mg/L		107	80 - 120

Lab Sample ID: 300-1849-8 MS
Matrix: Water
Analysis Batch: 2375

Client Sample ID: B339M2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	5.8	D	0.452	6.25	D	mg/L		95	75 - 125
Nitrite as N	0.038	U	0.609	0.564	D	mg/L		93	75 - 125
Orthophosphate as P	0.13	B D	1.31	1.30	D	mg/L		90	75 - 125

Lab Sample ID: 300-1849-8 DU
Matrix: Water
Analysis Batch: 2375

Client Sample ID: B339M2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Nitrate as N	5.8	D	5.81	D	mg/L		0.2	20
Nitrite as N	0.038	U	0.038	U	mg/L		NC	20
Orthophosphate as P	0.13	B D	0.125	B D	mg/L		4	20

Lab Sample ID: MB 300-2376/5
Matrix: Water
Analysis Batch: 2376

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			12/15/15 14:40	1
Fluoride	0.025	U	0.050	0.025	mg/L			12/15/15 14:40	1
Sulfate	0.13	U	0.25	0.13	mg/L			12/15/15 14:40	1

Lab Sample ID: LCS 300-2376/6
Matrix: Water
Analysis Batch: 2376

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	17.0		mg/L		106	80 - 120
Fluoride	4.00	4.24		mg/L		106	80 - 120
Sulfate	20.0	21.3		mg/L		107	80 - 120

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 300-1849-8 MS
 Matrix: Water
 Analysis Batch: 2376

Client Sample ID: B339M2
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	24	D	3.20	26.9	D	mg/L		97	75 - 125
Fluoride	0.36	D	0.800	1.17	D	mg/L		102	75 - 125
Sulfate	60	D	4.00	63.2	D	mg/L		93	75 - 125

Lab Sample ID: 300-1849-8 DU
 Matrix: Water
 Analysis Batch: 2376

Client Sample ID: B339M2
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chloride	24	D	23.8	D	mg/L		0.3	20
Fluoride	0.36	D	0.358	D	mg/L		0.6	20
Sulfate	60	D	59.3	D	mg/L		0.3	20

Client: CH2M Hill Plateau Remediation Company
 Project/Site: X15-070

TestAmerica Job ID: 300-1849-1
 SDG: WC0713

HPLC/IC

Analysis Batch: 2375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-1849-1	B339X0	Total/NA	Water	300.0	
300-1849-1	B339X0	Total/NA	Water	300.0	
300-1849-2	B339M6	Total/NA	Water	300.0	
300-1849-3	B339X4	Total/NA	Water	300.0	
300-1849-3	B339X4	Total/NA	Water	300.0	
300-1849-4	B339L8	Total/NA	Water	300.0	
300-1849-5	B339W6	Total/NA	Water	300.0	
300-1849-6	B339N0	Total/NA	Water	300.0	
300-1849-6	B339N0	Total/NA	Water	300.0	
300-1849-7	B339W2	Total/NA	Water	300.0	
300-1849-8	B339M2	Total/NA	Water	300.0	
300-1849-8 DU	B339M2	Total/NA	Water	300.0	
300-1849-8 MS	B339M2	Total/NA	Water	300.0	
LCS 300-2375/6	Lab Control Sample	Total/NA	Water	300.0	
MB 300-2375/5	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 2376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-1849-1	B339X0	Total/NA	Water	300.0	
300-1849-2	B339M6	Total/NA	Water	300.0	
300-1849-3	B339X4	Total/NA	Water	300.0	
300-1849-4	B339L8	Total/NA	Water	300.0	
300-1849-5	B339W6	Total/NA	Water	300.0	
300-1849-6	B339N0	Total/NA	Water	300.0	
300-1849-7	B339W2	Total/NA	Water	300.0	
300-1849-8	B339M2	Total/NA	Water	300.0	
300-1849-8 DU	B339M2	Total/NA	Water	300.0	
300-1849-8 MS	B339M2	Total/NA	Water	300.0	
LCS 300-2376/6	Lab Control Sample	Total/NA	Water	300.0	
MB 300-2376/5	Method Blank	Total/NA	Water	300.0	

Client: CH2M Hill Plateau Remediation Company
 Project/Site: X15-070

TestAmerica Job ID: 300-1849-1
 SDG: WC0713

Client Sample ID: B339X0**Date Collected: 12/15/15 10:55****Date Received: 12/15/15 12:35****Lab Sample ID: 300-1849-1****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	10 mL		2375	12/15/15 17:15	CPM	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		2376	12/15/15 17:15	CPM	TAL RCH
Total/NA	Analysis	300.0		10	10 mL		2375	12/15/15 21:31	CPM	TAL RCH

Client Sample ID: B339M6**Date Collected: 12/15/15 09:30****Date Received: 12/15/15 12:35****Lab Sample ID: 300-1849-2****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	10 mL		2375	12/15/15 18:00	CPM	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		2376	12/15/15 18:00	CPM	TAL RCH

Client Sample ID: B339X4**Date Collected: 12/15/15 11:50****Date Received: 12/15/15 12:35****Lab Sample ID: 300-1849-3****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	10 mL		2375	12/15/15 18:15	CPM	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		2376	12/15/15 18:15	CPM	TAL RCH
Total/NA	Analysis	300.0		10	10 mL		2375	12/15/15 22:01	CPM	TAL RCH

Client Sample ID: B339L8**Date Collected: 12/15/15 08:35****Date Received: 12/15/15 12:35****Lab Sample ID: 300-1849-4****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	10 mL		2375	12/15/15 18:30	CPM	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		2376	12/15/15 18:30	CPM	TAL RCH

Client Sample ID: B339W6**Date Collected: 12/15/15 11:25****Date Received: 12/15/15 12:35****Lab Sample ID: 300-1849-5****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	10 mL		2375	12/15/15 18:45	CPM	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		2376	12/15/15 18:45	CPM	TAL RCH

Client Sample ID: B339N0

Date Collected: 12/15/15 09:55
Date Received: 12/15/15 12:35

Lab Sample ID: 300-1849-6

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		50	10 mL		2375	12/15/15 16:25	CPM	TAL RCH
Total/NA	Analysis	300.0		10	10 mL		2375	12/15/15 23:17	CPM	TAL RCH
Total/NA	Analysis	300.0		10	10 mL		2376	12/15/15 23:17	CPM	TAL RCH

Client Sample ID: B339W2

Date Collected: 12/15/15 10:35
Date Received: 12/15/15 12:35

Lab Sample ID: 300-1849-7

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		10	10 mL		2375	12/15/15 23:32	CPM	TAL RCH
Total/NA	Analysis	300.0		10	10 mL		2376	12/15/15 23:32	CPM	TAL RCH

Client Sample ID: B339M2

Date Collected: 12/15/15 09:00
Date Received: 12/15/15 12:35

Lab Sample ID: 300-1849-8

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	10 mL		2375	12/15/15 19:00	CPM	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		2376	12/15/15 19:00	CPM	TAL RCH

Client Sample ID: B339M2

Date Collected: 12/15/15 09:00
Date Received: 12/15/15 12:35

Lab Sample ID: 300-1849-8 DU

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	10 mL		2375	12/15/15 19:30	CPM	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		2376	12/15/15 19:30	CPM	TAL RCH

Client Sample ID: Lab Control Sample

Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 300-2375/6

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		1	10 mL		2375	12/15/15 14:55	CPM	TAL RCH

Client Sample ID: Lab Control Sample

Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 300-2376/6

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		1	10 mL		2376	12/15/15 14:55	CPM	TAL RCH

Client: CH2M Hill Plateau Remediation Company
 Project/Site: X15-070

TestAmerica Job ID: 300-1849-1
 SDG: WC0713

Client Sample ID: Method Blank

Lab Sample ID: MB 300-2375/5

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	10 mL		2375	12/15/15 14:40	CPM	TAL RCH

Client Sample ID: Method Blank

Lab Sample ID: MB 300-2376/5

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	10 mL		2376	12/15/15 14:40	CPM	TAL RCH

Client Sample ID: B339M2

Lab Sample ID: 300-1849-8 MS

Date Collected: 12/15/15 09:00

Matrix: Water

Date Received: 12/15/15 12:35

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	10 mL		2375	12/15/15 19:15	CPM	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		2376	12/15/15 19:15	CPM	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: X15-070

TestAmerica Job ID: 300-1849-1
SDG: WC0713

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



Sample Summary

Client: CH2M Hill Plateau Remediation Company
Project/Site: X15-070

TestAmerica Job ID: 300-1849-1
SDG: WC0713

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
300-1849-1	B339X0	Water	12/15/15 10:55	12/15/15 12:35
300-1849-2	B339M6	Water	12/15/15 09:30	12/15/15 12:35
300-1849-3	B339X4	Water	12/15/15 11:50	12/15/15 12:35
300-1849-4	B339L8	Water	12/15/15 08:35	12/15/15 12:35
300-1849-5	B339W6	Water	12/15/15 11:25	12/15/15 12:35
300-1849-6	B339N0	Water	12/15/15 09:55	12/15/15 12:35
300-1849-7	B339W2	Water	12/15/15 10:35	12/15/15 12:35
300-1849-8	B339M2	Water	12/15/15 09:00	12/15/15 12:35



Login Sample Receipt Checklist

Client: CH2M Hill Plateau Remediation Company

Job Number: 300-1849-1

SDG Number: WC0713

Login Number: 1849

List Number: 1

Creator: Bock, Julie A

List Source: TestAmerica Richland

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
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.	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 <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

