

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: 300-1758-1
TestAmerica Sample Delivery Group: WC0670
Client Project/Site: I16-005

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

Attn: CPP Sample Management



Authorized for release by:
12/9/2015 10:39:03 AM
Steven Campbell, Quality Assurance Assistant
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Designee for
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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

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- 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	9
Client Sample Results	10
QC Sample Results	11
QC Association Summary	13
Lab Chronicle	14
Method Summary	16
Sample Summary	17
Receipt Checklists	18

Qualifiers**HPLC/IC**

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, 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: I16-005

TestAmerica Job ID: 300-1758-1
SDG: WC0670

Job ID: 300-1758-1

Laboratory: TestAmerica Richland

Narrative

**Job Narrative
300-1758-1**

Comments

No additional comments.

Receipt

The samples were received on 12/6/2015 2:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 14.9° C.

HPLC/IC

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



CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #

116-005-018

Page 1 of 1

Collector	W.M. WISE/CHPRC	Contact/Requester	Karen Waters-Husted	Telephone No.	509-376-4650
SAF No.	116-005	Sampling Origin	Hanford Site	Purchase Order/Charge Code	300071
Project Title	2UP1, DECEMBER 2015	Logbook No.	HNF-N-506 81/57458	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 / 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
B33JJ5	N		DEC 06 2015	1258	1X500-mL P	300.0_ANIONS_IC: COMMON	48 Hours	Cool <=6C

#MS8
WCCOEND
Du 12-21-15

300-1758 COC



December 09, 2015

Relinquished By	W.M. WISE/CHPRC	Print	Sign	Date/Time	DEC 06 2015 1340	Received By	F.M. HALL/CHPRC	Print	Sign	Date/Time	DEC 06 2015 1340	Matrix *
Relinquished By	F.M. HALL/CHPRC	Print	Sign	Date/Time	DEC 06 2015 1440	Received By	J. Bock, TABL	Print	Sign	Date/Time	DEC 06 2015 1440	S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air
Relinquished By				Date/Time		Received By				Date/Time		DS = Drum Solids DL = Drum Liquids T = Tissue WL = Wipe L = Liquid V = Vegetation X = Other

FINAL SAMPLE DISPOSITION	Disposed Method (e.g., Return to customer, per lab procedure, used in process)	Disposed By	Date/Time
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CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C.#

116-005-017

Page 1 of 1

Collector	W.M. WISE/CHPRC	Contact/Requester	Karen Waters-Husted	Telephone No.	509-376-4650
SAF No.	116-005	Sampling Origin	Hanford Site	Purchase Order/Charge Code	300071
Project Title	2UP1, DECEMBER 2015	Logbook No.	HNF-N-506 81 / 51458	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 / 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.	B33JL4	Filter	N	Date	DEC 06 2015
		Time	1258	No/Type Container	1x500-mL P
				Sample Analysis	300.0_ANIONS_IC: COMMON
				Holding Time	48 Hours
				Preservative	Cool <=6C

INSR
used no

December 09, 2015

Relinquished By	W.M. WISE/CHPRC	Print		Sign		Date/Time	DEC 06 2015 1340	Received By	F.M. HALL/CHPRC	Print		Sign		Date/Time	DEC 06 2015 1340
Relinquished By	F.M. HALL/CHPRC	Print		Sign		Date/Time	DEC 06 2015	Received By	J. BOCK/TARL	Print		Sign		Date/Time	DEC 06 2015
Relinquished By		Print		Sign		Date/Time		Received By		Print		Sign		Date/Time	

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

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #

116-005-009

Page 1 of 1

Collector	WAL WISECHPRC	Contact/Requester	Karen Waters-Husted	Telephone No.	509-376-4650		
SAF No.	116-005	Sampling Origin	Hanford Site	Purchase Order/Charge Code	300071		
Project Title	2UP1, DECEMBER 2015	Logbook No.	HNF-N-506 <u>8151</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 / 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
B33DN1	N	DEC 06 2015	0745	1x500-mL P	300.0_ANIONS_IC: COMMON	48 Hours	Cool <=6C

*WNSR
used*

December 09 2015

Relinquished By	WAL WISECHPRC	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time	Matrix *
		<i>WNSR</i>		DEC 06 2015	T.L. BACONICHPRC	<i>T.L. Bacon</i>		DEC 06 2015	S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air
Relinquished By	T.L. BACONICHPRC	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time	DS = Drum Solids DL = Drum Liquids T = Tissue WL = Wipe L = Liquid V = Vegetation X = Other
		<i>T.L. Bacon</i>		DEC 06 2015	J. Bock, TARI			DEC 06 2015	
Relinquished By				Date/Time	Received By			Date/Time	

FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process)	Disposed By	Date/Time
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Client: CH2M Hill Plateau Remediation Company
 Project/Site: I16-005

TestAmerica Job ID: 300-1758-1
 SDG: WC0670

Client Sample ID: B33JJ5**Lab Sample ID: 300-1758-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	7.0	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	13	D	0.14	0.070	mg/L	5		300.0	Total/NA
Fluoride	0.42	D	0.10	0.050	mg/L	2		300.0	Total/NA
Sulfate	18	D	0.50	0.25	mg/L	2		300.0	Total/NA

Client Sample ID: B33JJ4**Lab Sample ID: 300-1758-2**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	7.0	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	13	D	0.14	0.070	mg/L	5		300.0	Total/NA
Fluoride	0.42	D	0.10	0.050	mg/L	2		300.0	Total/NA
Sulfate	18	D	0.50	0.25	mg/L	2		300.0	Total/NA

Client Sample ID: B33DN2**Lab Sample ID: 300-1758-3**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	7.4	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	7.2	D	0.056	0.028	mg/L	2		300.0	Total/NA
Fluoride	0.47	D	0.10	0.050	mg/L	2		300.0	Total/NA
Sulfate	19	D	0.50	0.25	mg/L	2		300.0	Total/NA

Client Sample ID: B33DN1**Lab Sample ID: 300-1758-4**

No Detections.

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
 Project/Site: I16-005

TestAmerica Job ID: 300-1758-1
 SDG: WC0670

Client Sample ID: B33JJ5
Date Collected: 12/06/15 12:58
Date Received: 12/06/15 14:40

Lab Sample ID: 300-1758-1
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.0	D	0.40	0.20	mg/L			12/06/15 18:22	2
Nitrate as N	13	D	0.14	0.070	mg/L			12/06/15 21:07	5
Fluoride	0.42	D	0.10	0.050	mg/L			12/06/15 18:22	2
Nitrite as N	0.038	U	0.076	0.038	mg/L			12/06/15 18:22	2
Sulfate	18	D	0.50	0.25	mg/L			12/06/15 18:22	2

Client Sample ID: B33JJ4
Date Collected: 12/06/15 12:58
Date Received: 12/06/15 14:40

Lab Sample ID: 300-1758-2
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.0	D	0.40	0.20	mg/L			12/06/15 19:07	2
Nitrate as N	13	D	0.14	0.070	mg/L			12/06/15 21:52	5
Fluoride	0.42	D	0.10	0.050	mg/L			12/06/15 19:07	2
Nitrite as N	0.038	U	0.076	0.038	mg/L			12/06/15 19:07	2
Sulfate	18	D	0.50	0.25	mg/L			12/06/15 19:07	2

Client Sample ID: B33DN2
Date Collected: 12/06/15 09:11
Date Received: 12/06/15 14:40

Lab Sample ID: 300-1758-3
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.4	D	0.40	0.20	mg/L			12/06/15 19:22	2
Nitrate as N	7.2	D	0.056	0.028	mg/L			12/06/15 19:22	2
Fluoride	0.47	D	0.10	0.050	mg/L			12/06/15 19:22	2
Nitrite as N	0.038	U	0.076	0.038	mg/L			12/06/15 19:22	2
Sulfate	19	D	0.50	0.25	mg/L			12/06/15 19:22	2

Client Sample ID: B33DN1
Date Collected: 12/06/15 07:45
Date Received: 12/06/15 14:40

Lab Sample ID: 300-1758-4
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.40	0.20	mg/L			12/06/15 19:37	2
Nitrate as N	0.028	U	0.056	0.028	mg/L			12/06/15 19:37	2
Fluoride	0.050	U	0.10	0.050	mg/L			12/06/15 19:37	2
Nitrite as N	0.038	U	0.076	0.038	mg/L			12/06/15 19:37	2
Sulfate	0.25	U	0.50	0.25	mg/L			12/06/15 19:37	2

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 300-2264/5
Matrix: Water
Analysis Batch: 2264

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			12/06/15 17:52	1
Nitrite as N	0.019	U	0.038	0.019	mg/L			12/06/15 17:52	1

Lab Sample ID: LCS 300-2264/6
Matrix: Water
Analysis Batch: 2264

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	2.38		mg/L		105	80 - 120
Nitrite as N	3.04	3.20		mg/L		105	80 - 120

Lab Sample ID: 300-1758-1 MS
Matrix: Water
Analysis Batch: 2264

Client Sample ID: B33JJ5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as N	0.038	U	0.609	0.567	D	mg/L		93	75 - 125

Lab Sample ID: 300-1758-1 MS
Matrix: Water
Analysis Batch: 2264

Client Sample ID: B33JJ5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	13	D	1.13	13.9	D	mg/L		101	75 - 125

Lab Sample ID: 300-1758-1 DU
Matrix: Water
Analysis Batch: 2264

Client Sample ID: B33JJ5
Prep Type: Total/NA

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

Lab Sample ID: 300-1758-1 DU
Matrix: Water
Analysis Batch: 2264

Client Sample ID: B33JJ5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrate as N	13	D	12.8	D	mg/L		0.2	20

Lab Sample ID: MB 300-2265/5
Matrix: Water
Analysis Batch: 2265

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			12/06/15 17:52	1
Fluoride	0.025	U	0.050	0.025	mg/L			12/06/15 17:52	1
Sulfate	0.13	U	0.25	0.13	mg/L			12/06/15 17:52	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 300-2265/6

Matrix: Water

Analysis Batch: 2265

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	16.6		mg/L		104	80 - 120
Fluoride	4.00	4.15		mg/L		104	80 - 120
Sulfate	20.0	20.7		mg/L		103	80 - 120

Lab Sample ID: 300-1758-1 MS

Matrix: Water

Analysis Batch: 2265

Client Sample ID: B33JJ5

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	7.0	D	3.20	10.3	D	mg/L		102	75 - 125
Fluoride	0.42	D	0.800	1.22	D	mg/L		100	75 - 125
Sulfate	18	D	4.00	22.4	D	mg/L		102	75 - 125

Lab Sample ID: 300-1758-1 DU

Matrix: Water

Analysis Batch: 2265

Client Sample ID: B33JJ5

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chloride	7.0	D	6.98	D	mg/L		0.3	20
Fluoride	0.42	D	0.416	D	mg/L		0.1	20
Sulfate	18	D	18.2	D	mg/L		0.3	20

Client: CH2M Hill Plateau Remediation Company
 Project/Site: I16-005

TestAmerica Job ID: 300-1758-1
 SDG: WC0670

HPLC/IC

Analysis Batch: 2264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-1758-1	B33JJ5	Total/NA	Water	300.0	
300-1758-1	B33JJ5	Total/NA	Water	300.0	
300-1758-1 DU	B33JJ5	Total/NA	Water	300.0	
300-1758-1 DU	B33JJ5	Total/NA	Water	300.0	
300-1758-1 MS	B33JJ5	Total/NA	Water	300.0	
300-1758-1 MS	B33JJ5	Total/NA	Water	300.0	
300-1758-2	B33JJ4	Total/NA	Water	300.0	
300-1758-2	B33JJ4	Total/NA	Water	300.0	
300-1758-3	B33DN2	Total/NA	Water	300.0	
300-1758-4	B33DN1	Total/NA	Water	300.0	
LCS 300-2264/6	Lab Control Sample	Total/NA	Water	300.0	
MB 300-2264/5	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 2265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-1758-1	B33JJ5	Total/NA	Water	300.0	
300-1758-1 DU	B33JJ5	Total/NA	Water	300.0	
300-1758-1 MS	B33JJ5	Total/NA	Water	300.0	
300-1758-2	B33JJ4	Total/NA	Water	300.0	
300-1758-3	B33DN2	Total/NA	Water	300.0	
300-1758-4	B33DN1	Total/NA	Water	300.0	
LCS 300-2265/6	Lab Control Sample	Total/NA	Water	300.0	
MB 300-2265/5	Method Blank	Total/NA	Water	300.0	

Client Sample ID: B33JJ5

Date Collected: 12/06/15 12:58

Date Received: 12/06/15 14:40

Lab Sample ID: 300-1758-1

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		2264	12/06/15 18:22	CPM	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		2265	12/06/15 18:22	CPM	TAL RCH
Total/NA	Analysis	300.0		5	10 mL		2264	12/06/15 21:07	CPM	TAL RCH

Client Sample ID: B33JJ4

Date Collected: 12/06/15 12:58

Date Received: 12/06/15 14:40

Lab Sample ID: 300-1758-2

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		2264	12/06/15 19:07	CPM	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		2265	12/06/15 19:07	CPM	TAL RCH
Total/NA	Analysis	300.0		5	10 mL		2264	12/06/15 21:52	CPM	TAL RCH

Client Sample ID: B33DN2

Date Collected: 12/06/15 09:11

Date Received: 12/06/15 14:40

Lab Sample ID: 300-1758-3

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		2264	12/06/15 19:22	CPM	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		2265	12/06/15 19:22	CPM	TAL RCH

Client Sample ID: B33DN1

Date Collected: 12/06/15 07:45

Date Received: 12/06/15 14:40

Lab Sample ID: 300-1758-4

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		2264	12/06/15 19:37	CPM	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		2265	12/06/15 19:37	CPM	TAL RCH

Client Sample ID: B33JJ5

Date Collected: 12/06/15 12:58

Date Received: 12/06/15 14:40

Lab Sample ID: 300-1758-1 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		2264	12/06/15 18:52	CPM	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		2265	12/06/15 18:52	CPM	TAL RCH
Total/NA	Analysis	300.0		5	10 mL		2264	12/06/15 21:37	CPM	TAL RCH

Client: CH2M Hill Plateau Remediation Company
 Project/Site: I16-005

TestAmerica Job ID: 300-1758-1
 SDG: WC0670

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 300-2264/6

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	10 mL		2264	12/06/15 18:07	CPM	TAL RCH

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 300-2265/6

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	10 mL		2265	12/06/15 18:07	CPM	TAL RCH

Client Sample ID: Method Blank

Lab Sample ID: MB 300-2264/5

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		2264	12/06/15 17:52	CPM	TAL RCH

Client Sample ID: Method Blank

Lab Sample ID: MB 300-2265/5

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		2265	12/06/15 17:52	CPM	TAL RCH

Client Sample ID: B33JJ5

Lab Sample ID: 300-1758-1 MS

Date Collected: 12/06/15 12:58

Matrix: Water

Date Received: 12/06/15 14:40

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		2264	12/06/15 18:37	CPM	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		2265	12/06/15 18:37	CPM	TAL RCH
Total/NA	Analysis	300.0		5	10 mL		2264	12/06/15 21:22	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: I16-005

TestAmerica Job ID: 300-1758-1
SDG: WC0670

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: I16-005

TestAmerica Job ID: 300-1758-1
SDG: WC0670

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
300-1758-1	B33JJ5	Water	12/06/15 12:58	12/06/15 14:40
300-1758-2	B33JJ4	Water	12/06/15 12:58	12/06/15 14:40
300-1758-3	B33DN2	Water	12/06/15 09:11	12/06/15 14:40
300-1758-4	B33DN1	Water	12/06/15 07:45	12/06/15 14:40

- 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: 300-1758-1

SDG Number: WC0670

Login Number: 1758

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.	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 <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	

