

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: 300-3320-1
TestAmerica Sample Delivery Group: WC1187
Client Project/Site: S16-006

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

Attn: CPP Sample Management



Authorized for release by:
7/14/2016 11:36:59 AM
Steven Campbell, Project Mgmt. Assistant
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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 less 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	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

Definitions/Glossary

Client: CH2M Hill Plateau Remediation Company
Project/Site: S16-006

TestAmerica Job ID: 300-3320-1
SDG: WC1187

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.
□	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)

Case Narrative

Client: CH2M Hill Plateau Remediation Company
Project/Site: S16-006

TestAmerica Job ID: 300-3320-1
SDG: WC1187

Job ID: 300-3320-1

Laboratory: TestAmerica Richland

Narrative

Job Narrative
300-3320-1

Comments

No additional comments.

Receipt

The samples were received on 6/21/2016 2:45 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 12.5° C.

HPLC/IC

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

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

CH2M/Hill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #
S16-006-466
Page 1 of 1

Collector Dan Woehle CHPRC	Contact/Requester Karen Waters-Husted	Telephone No. 509-376-4650
SAF No. S16-006	Sampling Origin Hanford Site	Purchase Order/Charge Code 300071
Project Title SURV, JUNE 2016	Logbook No. HNF-N-506 <u>826 / 34</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 SURV	Priority: 30 Days	Offsite Property No. N/A
POSSIBLE SAMPLE HAZARDS/REMARKS		
*** 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. B35C53	Filter N	Date 6-21-16
	*	Time 0925
	No/Type Container 1x500-mL P	Sample Analysis 300.0_ANIONS_IC: COMMON
	Holding Time 48 Hours	Preservative Cool <=6C
	Special Instructions N/A	Hold Time N/A
	Priority PRIORITY	Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

3320
WDC1181



Relinquished By Dan Woehle CHPRC	Print <i>[Signature]</i>	Sign	Date/Time JUN 21 2016	Received By Troy Bacon CHPRC	Print <i>[Signature]</i>	Sign	Date/Time JUN 21 2016	Matrix *
Relinquished By Troy Bacon CHPRC	<i>[Signature]</i>		Date/Time JUN 21 2016	Received By <i>[Signature]</i>	J. Bock, TARI		Date/Time JUN 21 2016	S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air DS = Drum Solids DL = Drum Liquids T = Tissue WT = Wipe L = Liquid V = Vegetation X = Other
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

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

CH2M Hill Plateau Remediation Company

C.O.C. #
S16-006-603

Page 1 of 1

Collector	Dan Woehle CHPRC	Contact/Requester	Karen Waters-Husted	Telephone No.	509-376-4650
SAF No.	S16-006	Sampling Origin	Hanford Site	Purchase Order/Charge Code	300071
Project Title	SURV, JUNE 2016	Logbook No.	HNF-N-506 <u>86 / 35</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	SURV	Priority:	30 Days	Offsite Property No.	N/A
POSSIBLE SAMPLE HAZARDS/REMARKS			SPECIAL INSTRUCTIONS		
*** Contents 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			N/A		
Sample No.	Filter	Date	Time	No/Type Container	Sample Analysis
B35DK3	N	6-21-16	1109	1x500-mL P	300.0 ANIONS_IC: COMMON
					Holding Time
					48 Hours
					Preservative
					Cool <=6C

3520
WCC1181

Relinquished By	Dan Woehle CHPRC	Print <i>[Signature]</i>	Sign	Date/Time	JUN 21 2016 12:25	Received By	Troy Bacon CHPRC	Print <i>[Signature]</i>	Sign	Date/Time	JUN 21 2016 12:25	Matrix *
Relinquished By	CHPRC			Date/Time	JUN 21 2016 12:25	Received By	Troy Bacon			Date/Time	JUN 21 2016 12:25	S = Soil
Relinquished By	CHPRC			Date/Time	JUN 21 2016 12:25	Received By	Troy Bacon			Date/Time	JUN 21 2016 12:25	SE = Sediment
Relinquished By	CHPRC			Date/Time	JUN 21 2016 12:25	Received By	Troy Bacon			Date/Time	JUN 21 2016 12:25	SO = Solid
Relinquished By	CHPRC			Date/Time	JUN 21 2016 12:25	Received By	Troy Bacon			Date/Time	JUN 21 2016 12:25	SL = Sludge
Relinquished By	CHPRC			Date/Time	JUN 21 2016 12:25	Received By	Troy Bacon			Date/Time	JUN 21 2016 12:25	W = Water
Relinquished By	CHPRC			Date/Time	JUN 21 2016 12:25	Received By	Troy Bacon			Date/Time	JUN 21 2016 12:25	O = Oil
Relinquished By	CHPRC			Date/Time	JUN 21 2016 12:25	Received By	Troy Bacon			Date/Time	JUN 21 2016 12:25	A = Air
Relinquished By	CHPRC			Date/Time	JUN 21 2016 12:25	Received By	Troy Bacon			Date/Time	JUN 21 2016 12:25	DS = Drum Solids
Relinquished By	CHPRC			Date/Time	JUN 21 2016 12:25	Received By	Troy Bacon			Date/Time	JUN 21 2016 12:25	DL = Drum Liquids
Relinquished By	CHPRC			Date/Time	JUN 21 2016 12:25	Received By	Troy Bacon			Date/Time	JUN 21 2016 12:25	T = Tissue
Relinquished By	CHPRC			Date/Time	JUN 21 2016 12:25	Received By	Troy Bacon			Date/Time	JUN 21 2016 12:25	WL = Wipe
Relinquished By	CHPRC			Date/Time	JUN 21 2016 12:25	Received By	Troy Bacon			Date/Time	JUN 21 2016 12:25	L = Liquid
Relinquished By	CHPRC			Date/Time	JUN 21 2016 12:25	Received By	Troy Bacon			Date/Time	JUN 21 2016 12:25	V = Vegetation
Relinquished By	CHPRC			Date/Time	JUN 21 2016 12:25	Received By	Troy Bacon			Date/Time	JUN 21 2016 12:25	X = Other

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

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

CH2M/Hill Plateau Remediation Company

C.O.C. #
S16-006-605

Page 1 of 1

Collector	Dan Woesle CHPRC	Contact/Requester	Karen Waters-Husted	Telephone No.	509-376-4650
SAF No.	S16-006	Sampling Origin	Hanford Site	Purchase Order/Charge Code	300071
Project Title	SURV, JUNE 2016	Logbook No.	HNF-N-506 <u>P6/35</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	SURV	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
B35DK5	N	W	6-21-16	0852	1x500-ml P	300.0_ANIONS_IC: COMMON	48 Hours	Cool <=6C

3320
WCC1181

Relinquished By Dan Woesle CHPRC	Print		Sign						
					Date/Time	12 25			
					Date/Time	JUN 21 2016			
Relinquished By Troy Bacon CHPRC					Date/Time	JUN 21 2016			
Relinquished By					Date/Time	JUN 21 2016			

Received By Troy Bacon CHPRC	Print		Sign					
					Date/Time	12 25		
					Date/Time	JUN 21 2016		
Received By J. Bock, TARL					Date/Time	JUN 21 2016		
Received By					Date/Time	JUN 21 2016		

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

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. #
S16-006-604
Page 1 of 1

Collector	Dan Woesnie CHPRC	Contact/Requester	Karen Waters-Husted	Telephone No.	509-376-4650
SAF No.	S16-006	Sampling Origin	Hanford Site	Purchase Order/Charge Code	300071
Project Title	SURV, JUNE 2016	Logbook No.	HNF-N-506 <i>86 / 35</i>	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	SURV	Priority:	30 Days	Offsite Property No.	N/A
POSSIBLE SAMPLE HAZARDS/REMARKS			PRIORITY		
*** 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
B35DK4	N	W	6-21-16	1000	1x500-ml P
					300.0_ANIONS_IC: COMMON
					Sample Analysis
					Holding Time
					48 Hours
					Preservative
					Cool <=6C

33520
W C 1181

Reinquished By	Print Dan Woesnie	Sign <i>Dan Woesnie</i>	Date/Time JUN 21 2016 12:25	Received By	Print Troy Bacon	Sign <i>Troy Bacon</i>	Date/Time JUN 21 2016 12:25	Matrix *
Reinquished By	CHPRC			Received By	CHPRC			S = Soil
Reinquished By	Troy Bacon		JUN 21 2016 12:25	Received By	Troy L. Bacon		JUN 21 2016 12:25	SE = Sediment
Reinquished By	CHPRC			Received By	J. Bock, TARL			SO = Solid
Reinquished By				Received By				SL = Sludge
Reinquished By				Received By				W = Water
Reinquished By				Received By				O = Oil
Reinquished By				Received By				A = Air
Reinquished By				Received By				DS = Drum Solids
Reinquished By				Received By				DL = Drum Liquids
Reinquished By				Received By				T = Tissue
Reinquished By				Received By				WI = Wipe
Reinquished By				Received By				L = Liquid
Reinquished By				Received By				V = Vegetation
Reinquished By				Received By				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. #
S16-006-464
Page 1 of 1

Collector	Dan Woehle CHPRC	Contact/Requester	Karen Waters-Husted	Telephone No.	509-376-4650
SAF No.	S16-006	Sampling Origin	Hanford Site	Purchase Order/Charge Code	300071
Project Title	SURV, JUNE 2016	Logbook No.	HNF-N-506 <u>36/35</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	SURV	Priority:	30 Days	Offsite Property No.	N/A
POSSIBLE SAMPLE HAZARDS/REMARKS			PRIORITY		
*** 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.	B35C45	Filter	N	Date	6/21/16 10:27
No./Type Container	1x500-mL P	Sample Analysis	300.0_ANIONS_IC: COMMON	Holding Time	48 Hours
Preservative	Cool <=6C	Hold Time		Total Activity Exemption:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

*35320
use 1181*

Relinquished By	Dan Woehle CHPRC	Print	<i>[Signature]</i>	Sign	<i>[Signature]</i>	Date/Time	JUN 21 2016 12:25	Received By	Troy Bacon CHPRC	Print	<i>[Signature]</i>	Sign	<i>[Signature]</i>	Date/Time	JUN 21 2016 12:25	Matrix *	S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air	DS = Drum Solids DL = Drum Liquids T = Tissue WT = Wipe L = Liquid V = Vegetation X = Other
Relinquished By	Troy Bacon CHPRC	Print	<i>[Signature]</i>	Sign	<i>[Signature]</i>	Date/Time	JUN 21 2016 12:25	Received By	<i>[Signature]</i>	Print	<i>[Signature]</i>	Sign	<i>[Signature]</i>	Date/Time	JUN 21 2016 12:25	Matrix *		
Relinquished By		Date/Time		Received By		Date/Time		Received By		Date/Time		Received By		Date/Time		Matrix *		

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. #
S16-006-473
Page 1 of 1

Collector Dan Woeble CHPRC	Contact/Requester Karen Waters-Husted	Telephone No. 509-376-4650
SAF No. S16-006	Sampling Origin Hanford Site	Purchase Order/Charge Code 300071
Project Title SURV, JUNE 2016	Logbook No. HNF-N-506 <u>86/35</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 SURV	Priority: 30 Days	Offsite Property No. N/A
POSSIBLE SAMPLE HAZARDS/REMARKS *** 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. B35C81	Filter N	Date 6-21-16
	* W	Time 0816
	No./Type Container 1x500-mL P	Sample Analysis 300.0_ANIONS_IC: COMMON
	Holding Time 48 Hours	Preservative Cool <=6C

Handwritten: # 3320
W C1191

Relinquished By Dan Woeble CHPRC	Print Dan Woeble	Sign <i>[Signature]</i>	Date/Time JUN 21 2016 12:25	Received By Troy Bacon CHPRC	Print Troy Bacon	Sign <i>[Signature]</i>	Date/Time JUN 21 2016	Matrix *
Relinquished By Troy Bacon CHPRC	Print Troy Bacon	Sign <i>[Signature]</i>	Date/Time JUN 21 2016 1445	Received By J. Bock, TARL	Print J. Bock, TARL	Sign <i>[Signature]</i>	Date/Time JUN 21 2016 1445	S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air DS = Drum Solids DL = Drum Liquids T = Tissue WT = Wipe L = Liquid V = Vegetation X = Other
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



CH2M Hill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #
S16-006-602

Page 1 of 1

Collector Dan Woehle CHPRC	Contact/Requester Karen Waters-Husted	Telephone No. 509-376-4650	
SAF No. S16-006	Sampling Origin Hanford Site	Purchase Order/Charge Code 300071	
Project Title SURV, JUNE 2016	Logbook No. HNF-N-506 <u>86 / 35</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 SURV	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		N/A	

Sample No.	Filter	*	Date	Time	No./Type Container	Sample Analysis	Holding Time	Preservative
B35DK2	N	W	6-21-16	1710	1x500-ml P	300.0_ANIONS_IC: COMMON	48 Hours	Cool <=6C

7/14/2016

3320

WCC181

Relinquished By Dan Woehle CHPRC	Print Sign	Date/Time JUN 21 2016	Received By Troy Bacon CHPRC	Print Sign	Date/Time JUN 21 2016
Relinquished By Troy Bacon CHPRC	Print Sign	Date/Time JUN 21 2016	Received By J. Bock, TARL	Print Sign	Date/Time JUN 21 2016
Relinquished By		Date/Time	Received By		Date/Time

Matrix *	
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

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. #
S16-006-462
Page 1 of 1

Collector Dan Woehle CHPRC	Contact/Requester Karen Waters-Husted	Telephone No. 509-376-4650
SAF No. S16-006	Sampling Origin Hanford Site	Purchase Order/Charge Code 300071
Project Title SURV, JUNE 2016	Logbook No. HNF-N-506 <u>86 / 35</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 SURV	Priority: 30 Days	Offsite Property No. N/A
POSSIBLE SAMPLE HAZARDS/REMARKS *** 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		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
B35C37	N	W	6:21:16	1137	1X500-mL P 300.0_ANIONS_IC: COMMON	48 Hours	Cool <=6C

3320
WCE1181

Relinquished By Dan Woehle CHPRC	Print <i>D. Woehle</i>	Sign <i>D. Woehle</i>	Date/Time JUN 21 2016 12:25	Received By Troy Bacon CHPRC	Print <i>Troy L. Bacon</i>	Sign <i>Troy L. Bacon</i>	Date/Time JUN 21 2016 12:25	Matrix * S = Soil DS = Drum Solids SE = Sediment DL = Drum Liquids SO = Solid T = Tissue SL = Sludge WT = Wipe W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other
Relinquished By Troy Bacon CHPRC	Print <i>Troy L. Bacon</i>	Sign <i>Troy L. Bacon</i>	Date/Time JUN 21 2016 11:37	Received By J. Bock, TARL	Print <i>J. Bock, TARL</i>	Sign <i>J. Bock, TARL</i>	Date/Time JUN 21 2016 11:37	
Relinquished By	Date/Time	Received By	Date/Time	Received 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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Detection Summary

Client: CH2M Hill Plateau Remediation Company
Project/Site: S16-006

TestAmerica Job ID: 300-3320-1
SDG: WC1187

Client Sample ID: B35C53

Lab Sample ID: 300-3320-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	2.2	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	1.5	D	0.056	0.028	mg/L	2		300.0	Total/NA
Fluoride	0.11	D	0.10	0.050	mg/L	2		300.0	Total/NA
Sulfate	14	D	0.50	0.25	mg/L	2		300.0	Total/NA

Client Sample ID: B35DK3

Lab Sample ID: 300-3320-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	3.4	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	3.4	D	0.056	0.028	mg/L	2		300.0	Total/NA
Fluoride	0.11	D	0.10	0.050	mg/L	2		300.0	Total/NA
Sulfate	21	D	0.50	0.25	mg/L	2		300.0	Total/NA

Client Sample ID: B35DK5

Lab Sample ID: 300-3320-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	6.7	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	0.11	D	0.10	0.050	mg/L	2		300.0	Total/NA
Sulfate	35	D	0.50	0.25	mg/L	2		300.0	Total/NA

Client Sample ID: B35DK4

Lab Sample ID: 300-3320-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	3.1	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	2.4	D	0.056	0.028	mg/L	2		300.0	Total/NA
Fluoride	0.11	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: B35C45

Lab Sample ID: 300-3320-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	5.8	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	4.7	D	0.056	0.028	mg/L	2		300.0	Total/NA
Fluoride	0.095	B D	0.10	0.050	mg/L	2		300.0	Total/NA
Sulfate	34	D	0.50	0.25	mg/L	2		300.0	Total/NA

Client Sample ID: B35C81

Lab Sample ID: 300-3320-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	5.4	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	7.4	D	0.056	0.028	mg/L	2		300.0	Total/NA
Fluoride	0.11	D	0.10	0.050	mg/L	2		300.0	Total/NA
Sulfate	28	D	0.50	0.25	mg/L	2		300.0	Total/NA

Client Sample ID: B35DK2

Lab Sample ID: 300-3320-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	3.6	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	9.0	D	0.056	0.028	mg/L	2		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Richland

Detection Summary

Client: CH2M Hill Plateau Remediation Company
 Project/Site: S16-006

TestAmerica Job ID: 300-3320-1
 SDG: WC1187

Client Sample ID: B35DK2 (Continued)

Lab Sample ID: 300-3320-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoride	0.10	D	0.10	0.050	mg/L	2		300.0	Total/NA
Sulfate	20	D	0.50	0.25	mg/L	2		300.0	Total/NA

Client Sample ID: B35C37

Lab Sample ID: 300-3320-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	9.5	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	9.8	D	0.056	0.028	mg/L	2		300.0	Total/NA
Fluoride	0.10	D	0.10	0.050	mg/L	2		300.0	Total/NA
Sulfate	50	D	0.50	0.25	mg/L	2		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Richland

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: S16-006

TestAmerica Job ID: 300-3320-1
SDG: WC1187

Client Sample ID: B35C53

Lab Sample ID: 300-3320-1

Date Collected: 06/21/16 09:25

Matrix: Water

Date Received: 06/21/16 14:45

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.2	D	0.40	0.20	mg/L			06/22/16 14:01	2
Nitrate as N	1.5	D	0.056	0.028	mg/L			06/22/16 14:01	2
Fluoride	0.11	D	0.10	0.050	mg/L			06/22/16 14:01	2
Nitrite as N	0.038	U D	0.076	0.038	mg/L			06/22/16 14:01	2
Sulfate	14	D	0.50	0.25	mg/L			06/22/16 14:01	2

Client Sample ID: B35DK3

Lab Sample ID: 300-3320-2

Date Collected: 06/21/16 11:09

Matrix: Water

Date Received: 06/21/16 14:45

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.4	D	0.40	0.20	mg/L			06/22/16 14:46	2
Nitrate as N	3.4	D	0.056	0.028	mg/L			06/22/16 14:46	2
Fluoride	0.11	D	0.10	0.050	mg/L			06/22/16 14:46	2
Nitrite as N	0.038	U D	0.076	0.038	mg/L			06/22/16 14:46	2
Sulfate	21	D	0.50	0.25	mg/L			06/22/16 14:46	2

Client Sample ID: B35DK5

Lab Sample ID: 300-3320-3

Date Collected: 06/21/16 08:52

Matrix: Water

Date Received: 06/21/16 14:45

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.7	D	0.40	0.20	mg/L			06/22/16 15:01	2
Nitrate as N	5.7	D	0.056	0.028	mg/L			06/22/16 15:01	2
Fluoride	0.11	D	0.10	0.050	mg/L			06/22/16 15:01	2
Nitrite as N	0.038	U D	0.076	0.038	mg/L			06/22/16 15:01	2
Sulfate	35	D	0.50	0.25	mg/L			06/22/16 15:01	2

Client Sample ID: B35DK4

Lab Sample ID: 300-3320-4

Date Collected: 06/21/16 10:00

Matrix: Water

Date Received: 06/21/16 14:45

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.1	D	0.40	0.20	mg/L			06/22/16 15:16	2
Nitrate as N	2.4	D	0.056	0.028	mg/L			06/22/16 15:16	2
Fluoride	0.11	D	0.10	0.050	mg/L			06/22/16 15:16	2
Nitrite as N	0.038	U D	0.076	0.038	mg/L			06/22/16 15:16	2
Sulfate	19	D	0.50	0.25	mg/L			06/22/16 15:16	2

Client Sample ID: B35C45

Lab Sample ID: 300-3320-5

Date Collected: 06/21/16 10:27

Matrix: Water

Date Received: 06/21/16 14:45

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.8	D	0.40	0.20	mg/L			06/22/16 15:31	2
Nitrate as N	4.7	D	0.056	0.028	mg/L			06/22/16 15:31	2

TestAmerica Richland

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: S16-006

TestAmerica Job ID: 300-3320-1
SDG: WC1187

Client Sample ID: B35C45

Lab Sample ID: 300-3320-5

Date Collected: 06/21/16 10:27

Matrix: Water

Date Received: 06/21/16 14:45

Method: 300.0 - Anions, Ion Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.095	B D	0.10	0.050	mg/L			06/22/16 15:31	2
Nitrite as N	0.038	U D	0.076	0.038	mg/L			06/22/16 15:31	2
Sulfate	34	D	0.50	0.25	mg/L			06/22/16 15:31	2

Client Sample ID: B35C81

Lab Sample ID: 300-3320-6

Date Collected: 06/21/16 08:16

Matrix: Water

Date Received: 06/21/16 14:45

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.4	D	0.40	0.20	mg/L			06/22/16 15:46	2
Nitrate as N	7.4	D	0.056	0.028	mg/L			06/22/16 15:46	2
Fluoride	0.11	D	0.10	0.050	mg/L			06/22/16 15:46	2
Nitrite as N	0.038	U D	0.076	0.038	mg/L			06/22/16 15:46	2
Sulfate	28	D	0.50	0.25	mg/L			06/22/16 15:46	2

Client Sample ID: B35DK2

Lab Sample ID: 300-3320-7

Date Collected: 06/21/16 12:10

Matrix: Water

Date Received: 06/21/16 14:45

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.6	D	0.40	0.20	mg/L			06/22/16 16:31	2
Nitrate as N	9.0	D	0.056	0.028	mg/L			06/22/16 16:31	2
Fluoride	0.10	D	0.10	0.050	mg/L			06/22/16 16:31	2
Nitrite as N	0.038	U D	0.076	0.038	mg/L			06/22/16 16:31	2
Sulfate	20	D	0.50	0.25	mg/L			06/22/16 16:31	2

Client Sample ID: B35C37

Lab Sample ID: 300-3320-8

Date Collected: 06/21/16 11:37

Matrix: Water

Date Received: 06/21/16 14:45

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.5	D	0.40	0.20	mg/L			06/22/16 16:46	2
Nitrate as N	9.8	D	0.056	0.028	mg/L			06/22/16 16:46	2
Fluoride	0.10	D	0.10	0.050	mg/L			06/22/16 16:46	2
Nitrite as N	0.038	U D	0.076	0.038	mg/L			06/22/16 16:46	2
Sulfate	50	D	0.50	0.25	mg/L			06/22/16 16:46	2

QC Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: S16-006

TestAmerica Job ID: 300-3320-1
SDG: WC1187

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 300-4655/5
Matrix: Water
Analysis Batch: 4655

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			06/22/16 13:20	1
Nitrite as N	0.019	U	0.038	0.019	mg/L			06/22/16 13:20	1

Lab Sample ID: LCS 300-4655/6
Matrix: Water
Analysis Batch: 4655

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	2.29		mg/L		101	80 - 120
Nitrite as N	3.04	3.08		mg/L		101	80 - 120

Lab Sample ID: 300-3320-1 MS
Matrix: Water
Analysis Batch: 4655

Client Sample ID: B35C53
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	1.5	D	0.452	1.97	D	mg/L		103	75 - 125
Nitrite as N	0.038	U D	0.609	0.538	D	mg/L		88	75 - 125

Lab Sample ID: 300-3320-1 DU
Matrix: Water
Analysis Batch: 4655

Client Sample ID: B35C53
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrate as N	1.5	D	1.48	D	mg/L		1	20
Nitrite as N	0.038	U D	0.038	U D	mg/L		NC	20

Lab Sample ID: MB 300-4656/5
Matrix: Water
Analysis Batch: 4656

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			06/22/16 13:20	1
Fluoride	0.025	U	0.050	0.025	mg/L			06/22/16 13:20	1
Sulfate	0.13	U	0.25	0.13	mg/L			06/22/16 13:20	1

Lab Sample ID: LCS 300-4656/6
Matrix: Water
Analysis Batch: 4656

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	15.9		mg/L		99	80 - 120
Fluoride	4.00	4.01		mg/L		100	80 - 120
Sulfate	20.0	20.0		mg/L		100	80 - 120

QC Sample Results

Client: CH2M Hill Plateau Remediation Company
 Project/Site: S16-006

TestAmerica Job ID: 300-3320-1
 SDG: WC1187

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 300-3320-1 MS

Matrix: Water

Analysis Batch: 4656

Client Sample ID: B35C53

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier		Result	Qualifier					
Chloride	2.2	D	3.20	5.33	D	mg/L		98	75 - 125	
Fluoride	0.11	D	0.800	0.808	D	mg/L		88	75 - 125	
Sulfate	14	D	4.00	18.2	D	mg/L		100	75 - 125	

Lab Sample ID: 300-3320-1 DU

Matrix: Water

Analysis Batch: 4656

Client Sample ID: B35C53

Prep Type: Total/NA

Analyte	Sample	Sample	DU		Unit	D	RPD	RPD	
	Result	Qualifier	Result	Qualifier				Limit	Limit
Chloride	2.2	D	2.17	D	mg/L		1	20	
Fluoride	0.11	D	0.103	D	mg/L		3	20	
Sulfate	14	D	14.0	D	mg/L		1	20	

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QC Association Summary

Client: CH2M Hill Plateau Remediation Company
Project/Site: S16-006

TestAmerica Job ID: 300-3320-1
SDG: WC1187

HPLC/IC

Analysis Batch: 4655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-3320-1	B35C53	Total/NA	Water	300.0	
300-3320-1 DU	B35C53	Total/NA	Water	300.0	
300-3320-1 MS	B35C53	Total/NA	Water	300.0	
300-3320-2	B35DK3	Total/NA	Water	300.0	
300-3320-3	B35DK5	Total/NA	Water	300.0	
300-3320-4	B35DK4	Total/NA	Water	300.0	
300-3320-5	B35C45	Total/NA	Water	300.0	
300-3320-6	B35C81	Total/NA	Water	300.0	
300-3320-7	B35DK2	Total/NA	Water	300.0	
300-3320-8	B35C37	Total/NA	Water	300.0	
LCS 300-4655/6	Lab Control Sample	Total/NA	Water	300.0	
MB 300-4655/5	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 4656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-3320-1	B35C53	Total/NA	Water	300.0	
300-3320-1 DU	B35C53	Total/NA	Water	300.0	
300-3320-1 MS	B35C53	Total/NA	Water	300.0	
300-3320-2	B35DK3	Total/NA	Water	300.0	
300-3320-3	B35DK5	Total/NA	Water	300.0	
300-3320-4	B35DK4	Total/NA	Water	300.0	
300-3320-5	B35C45	Total/NA	Water	300.0	
300-3320-6	B35C81	Total/NA	Water	300.0	
300-3320-7	B35DK2	Total/NA	Water	300.0	
300-3320-8	B35C37	Total/NA	Water	300.0	
LCS 300-4656/6	Lab Control Sample	Total/NA	Water	300.0	
MB 300-4656/5	Method Blank	Total/NA	Water	300.0	

Lab Chronicle

Client: CH2M Hill Plateau Remediation Company
Project/Site: S16-006

TestAmerica Job ID: 300-3320-1
SDG: WC1187

Client Sample ID: B35C53

Date Collected: 06/21/16 09:25

Date Received: 06/21/16 14:45

Lab Sample ID: 300-3320-1

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		4655	06/22/16 14:01	RLC	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		4656	06/22/16 14:01	RLC	TAL RCH

Client Sample ID: B35DK3

Date Collected: 06/21/16 11:09

Date Received: 06/21/16 14:45

Lab Sample ID: 300-3320-2

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		4655	06/22/16 14:46	RLC	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		4656	06/22/16 14:46	RLC	TAL RCH

Client Sample ID: B35DK5

Date Collected: 06/21/16 08:52

Date Received: 06/21/16 14:45

Lab Sample ID: 300-3320-3

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		4655	06/22/16 15:01	RLC	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		4656	06/22/16 15:01	RLC	TAL RCH

Client Sample ID: B35DK4

Date Collected: 06/21/16 10:00

Date Received: 06/21/16 14:45

Lab Sample ID: 300-3320-4

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		4655	06/22/16 15:16	RLC	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		4656	06/22/16 15:16	RLC	TAL RCH

Client Sample ID: B35C45

Date Collected: 06/21/16 10:27

Date Received: 06/21/16 14:45

Lab Sample ID: 300-3320-5

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		4655	06/22/16 15:31	RLC	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		4656	06/22/16 15:31	RLC	TAL RCH

Client Sample ID: B35C81

Date Collected: 06/21/16 08:16

Date Received: 06/21/16 14:45

Lab Sample ID: 300-3320-6

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		2	10 mL		4655	06/22/16 15:46	RLC	TAL RCH

TestAmerica Richland

Lab Chronicle

Client: CH2M Hill Plateau Remediation Company
Project/Site: S16-006

TestAmerica Job ID: 300-3320-1
SDG: WC1187

Client Sample ID: B35C81

Lab Sample ID: 300-3320-6

Date Collected: 06/21/16 08:16

Matrix: Water

Date Received: 06/21/16 14:45

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		4656	06/22/16 15:46	RLC	TAL RCH

Client Sample ID: B35DK2

Lab Sample ID: 300-3320-7

Date Collected: 06/21/16 12:10

Matrix: Water

Date Received: 06/21/16 14:45

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		4655	06/22/16 16:31	RLC	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		4656	06/22/16 16:31	RLC	TAL RCH

Client Sample ID: B35C37

Lab Sample ID: 300-3320-8

Date Collected: 06/21/16 11:37

Matrix: Water

Date Received: 06/21/16 14:45

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		4655	06/22/16 16:46	RLC	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		4656	06/22/16 16:46	RLC	TAL RCH

Client Sample ID: B35C53

Lab Sample ID: 300-3320-1 DU

Date Collected: 06/21/16 09:25

Matrix: Water

Date Received: 06/21/16 14:45

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		4655	06/22/16 14:31	RLC	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		4656	06/22/16 14:31	RLC	TAL RCH

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 300-4655/6

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		4655	06/22/16 13:45	RLC	TAL RCH

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 300-4656/6

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		4656	06/22/16 13:45	RLC	TAL RCH

Lab Chronicle

Client: CH2M Hill Plateau Remediation Company
 Project/Site: S16-006

TestAmerica Job ID: 300-3320-1
 SDG: WC1187

Client Sample ID: Method Blank

Lab Sample ID: MB 300-4655/5

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		4655	06/22/16 13:20	RLC	TAL RCH

Client Sample ID: Method Blank

Lab Sample ID: MB 300-4656/5

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		4656	06/22/16 13:20	RLC	TAL RCH

Client Sample ID: B35C53

Lab Sample ID: 300-3320-1 MS

Date Collected: 06/21/16 09:25

Matrix: Water

Date Received: 06/21/16 14:45

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		4655	06/22/16 14:16	RLC	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		4656	06/22/16 14:16	RLC	TAL RCH

Laboratory References:

TAL RCH = TestAmerica Richland, 2800 George Washington Way, Richland, WA 99352, TEL (509)375-3131

Method Summary

Client: CH2M Hill Plateau Remediation Company
Project/Site: S16-006

TestAmerica Job ID: 300-3320-1
SDG: WC1187

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: S16-006

TestAmerica Job ID: 300-3320-1
SDG: WC1187

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
300-3320-1	B35C53	Water	06/21/16 09:25	06/21/16 14:45
300-3320-2	B35DK3	Water	06/21/16 11:09	06/21/16 14:45
300-3320-3	B35DK5	Water	06/21/16 08:52	06/21/16 14:45
300-3320-4	B35DK4	Water	06/21/16 10:00	06/21/16 14:45
300-3320-5	B35C45	Water	06/21/16 10:27	06/21/16 14:45
300-3320-6	B35C81	Water	06/21/16 08:16	06/21/16 14:45
300-3320-7	B35DK2	Water	06/21/16 12:10	06/21/16 14:45
300-3320-8	B35C37	Water	06/21/16 11:37	06/21/16 14:45

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- 9
- 10
- 11
- 12
- 13

Login Sample Receipt Checklist

Client: CH2M Hill Plateau Remediation Company

Job Number: 300-3320-1

SDG Number: WC1187

Login Number: 3320

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	