

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: 300-1504-1
TestAmerica Sample Delivery Group: WC0594
Client Project/Site: CH2M Hill Chemical

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

Attn: CPP Sample Management



Authorized for release by:
12/7/2015 12:01:00 PM
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

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Qualifiers**HPLC/IC**

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

General Chemistry

Qualifier	Qualifier Description
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)

Job ID: 300-1504-1

Laboratory: TestAmerica Richland

Narrative

**Job Narrative
300-1504-1**

Comments

No additional comments.

Receipt

The samples were received on 11/12/2015 2:25 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 8.2° C.

HPLC/IC

Method 300.0: Manual integration was performed on the following sample for Sulfate: B334D0 (300-1504-9).

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

General Chemistry

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



CH2M Hill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #

116-002-290

Page 1 of 1

Collector	K.M. Campbell/CHPRC	Contact/Requester	Karen Waters-Husted	Telephone No.	509-376-4650
SAF No.	116-002	Sampling Origin	Hanford Site	Purchase Order/Charge Code	300071
Project Title	100KRR4, NOVEMBER 2015	Logbook No.	HNF-N-506 <u>22/6</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
B334L9	Y	W	11-12-15	1013	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C
B334L5	N	W	11-12-15	1013	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C

300-1504 COC



#1504
WCO594

December 07, 2015

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time	Matrix * S = Soil DS = Drum Solids SE = Sediment DL = Drum Liquids SO = Solid T = Tissue SL = Sludge WI = Wipe W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other
Relinquished By	K.M. Campbell/CHPRC	<i>[Signature]</i>	NOV 12 2015 1222	Received By	M.A. White	<i>[Signature]</i>	NOV 12 2015 1222	
Relinquished By	M.A. White	<i>[Signature]</i>	NOV 12 2015 1425	Received By	J. Friesz, TARC	<i>[Signature]</i>	NOV 12 2015 1425	
Relinquished By				Received By				

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

CH2M Hill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #

I16-002-258

Page 1 of 1

Collector	K.M. Campbell/CHPRC	Contact/Requester	Karen Waters-Husted	Telephone No.	509-376-4650
SAF No.	I16-002	Sampling Origin	Hanford Site	Purchase Order/Charge Code	300071
Project Title	100KR4, NOVEMBER 2015	Logbook No.	HNF-N-506 <u>82/6</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
B33454	Y	W	11-12-15	0843	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C
B33452	N	W	11-12-15	0843	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C

#1504
WC0594

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time	Matrix *
K.M. Campbell/CHPRC	<i>[Signature]</i>	<i>[Signature]</i>	NOV 12 2015 1224	M.A. White	<i>[Signature]</i>	<i>[Signature]</i>	NOV 12 2015 1224	S = Soil DS = Drum Solids SE = Sediment T = Tissue SO = Solid T = Tissue SL = Sludge WI = Wipe W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time	
M.A. White	<i>[Signature]</i>	<i>[Signature]</i>	NOV 12 2015 1425	J. Friesz, TARL	<i>[Signature]</i>	<i>[Signature]</i>	NOV 12 2015 1425	
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time	

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

December 07 2015

CH2M Hill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #

I16-002-292

Page 1 of 1

Collector	K.M. Campbell/CHPRC	Contact/Requester	Karen Waters-Husted	Telephone No.	509-376-4650
SAF No.	I16-002	Sampling Origin	Hanford Site	Purchase Order/Charge Code	300071
Project Title	100KR4, NOVEMBER 2015	Logbook No.	HNF-N-506 <u>8216</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
B334L6	N	W	11-12-15	1013	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C
B334M0	Y	W	11-12-15	1013	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C

#1584
 WTC
 TF 11/12/15
 WC0594

December 07 2015

Relinquished By	Print K.M. Campbell/CHPRC	Sign <i>[Signature]</i>	Date/Time NOV 12 2015 1222	Received By	Print M.A. White	Sign <i>[Signature]</i>	Date/Time NOV 12 2015 1222	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			Date/Time NOV 12 2015 1425	Received By	Print J. Friesz, TARI	Sign <i>[Signature]</i>	Date/Time NOV 12 2015 1425	

Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #

I16-002-277

Page 1 of 1

Collector K.M. Campbell/CHPRC	Contract/Requester Karen Waters-Husted	Telephone No. 509-376-4650					
SAF No. I16-002	Sampling Origin Hanford Site	Purchase Order/Charge Code 300071					
Project Title 100KR4, NOVEMBER 2015	Logbook No. HNF-NI-506	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		Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
*** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1							
Sample No.	Filter	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B334D3	Y	11-12-15	11 31	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C
B334D1	N	11-12-15	11 31	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C

#1504

W10594

December 07 2015

Relinquished By K.M. Campbell/CHPRC	Print <i>[Signature]</i>	Sign	Date/Time NOV 12 2015 1222	Received By M.A. White	Print <i>[Signature]</i>	Sign	Date/Time NOV 12 2015 1222	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 M.A. White	Print <i>[Signature]</i>	Sign	Date/Time NOV 12 2015 1425	Received By J. Friesz, TARL	Print <i>[Signature]</i>	Sign	Date/Time NOV 12 2015 1425	
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	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. # **116-002-276**
Page 1 of 1

Collector	KM Campbell/CHPRC		Contact/Requester	Karen Waters-Husted		Telephone No.	509-376-4650	
SAP No.	116-002		Sampling Origin	Hanford Site		Purchase Order/Charge Code	300071	
Project Title	100KR4, NOVEMBER 2015		Logbook No.	HNF-N-506 <u>8216</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			PRIORITY			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
B334D0	N	W	11-12-15	11:31	1x500-mL P	300.0_ANIONS_IC: COMMON	48 Hours	Cool <=6C

#1504
W0594

December 07, 2015

Relinquished By	KM Campbell/CHPRC		Print	Sign	Date/Time	NOV 12 2015 1222	Received By	M.A. White	Print	Sign	Date/Time	NOV 12 2015 1222
Relinquished By	M.A. White				Date/Time	NOV 12 2015 1425	Received By	J. Friesz, TARL			Date/Time	NOV 12 2015 1425

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	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

Collector	K.M. Campbell/CHPRC	Contact/Requester	Karen Waters-Husted	Telephone No.	509-376-4650
SAF No.	I16-002	Sampling Origin	Hanford Site	Purchase Order/Charge Code	300071
Project Title	100KR4, NOVEMBER 2015	Logbook No.	HNF-N-506 <u>826</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 PRIORITY	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
B33BC9	N	W	11-12-15	1013	1x500-mL P
Sample Analysis			Holding Time		
300.0_ANIONS_IC: COMMON			48 Hours		
			Preservative		
			Cool <=6C		

#1504

WCG594

December 07, 2015

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time	Matrix *
K.M. Campbell/CHPRC	K.M.	[Signature]	NOV 12 2015 1222	M.A. White/CHPRC	M.A. White	[Signature]	NOV 12 2015 1222	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			Date/Time	Received By			Date/Time	
M.A. White		[Signature]	NOV 12 2015 1425	J. Friesz, TARL	[Signature]		NOV 12 2015 1425	
Relinquished By			Date/Time	Received By			Date/Time	
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

C.O.C. # I16-002-412

Page 1 of 1

Collector	KM Campbell/CHPRC	Contact/Requester	Karen Waters-Husted	Telephone No.	509-376-4650
SAF No.	I16-002	Sampling Origin	Hanford Site	Purchase Order/Charge Code	300071
Project Title	100KR4, NOVEMBER 2015	Logbook No.	HNF-N-506 <u>82/6</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 PRIORITY	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
B33BC8	N	W	11/12-15	1013	1x500-mL P	300.0_ANIONS_IC: COMMON	48 Hours	Cool <=6C

#1504
WC594

December 07 2015

Relinquished By	Print KM Campbell/CHPRC	Sign <i>[Signature]</i>	Date/Time NOV 12 2015 1222	Received By	Print M.A. White	Sign <i>[Signature]</i>	Date/Time NOV 12 2015 1222	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	Print M.A. White	Sign <i>[Signature]</i>	Date/Time NOV 12 2015 1435	Received By	Print J. Friesz, TARI	Sign <i>[Signature]</i>	Date/Time NOV 12 2015 1425	
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	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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December 07, 2015

Detection Summary

Client: CH2M Hill Plateau Remediation Company
Project/Site: CH2M Hill ChemicalTestAmerica Job ID: 300-1504-1
SDG: WC0594

Client Sample ID: B334L9

Lab Sample ID: 300-1504-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.082		0.0040	0.0015	mg/L	1		7196A	Total/NA

Client Sample ID: B334L5

Lab Sample ID: 300-1504-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.082		0.0040	0.0015	mg/L	1		7196A	Total/NA

Client Sample ID: B33454

Lab Sample ID: 300-1504-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.0066		0.0040	0.0015	mg/L	1		7196A	Total/NA

Client Sample ID: B33452

Lab Sample ID: 300-1504-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.0065		0.0040	0.0015	mg/L	1		7196A	Total/NA

Client Sample ID: B334L6

Lab Sample ID: 300-1504-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.082		0.0040	0.0015	mg/L	1		7196A	Total/NA

Client Sample ID: B334M0

Lab Sample ID: 300-1504-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.083		0.0040	0.0015	mg/L	1		7196A	Total/NA

Client Sample ID: B334D3

Lab Sample ID: 300-1504-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.0055		0.0040	0.0015	mg/L	1		7196A	Total/NA

Client Sample ID: B334D1

Lab Sample ID: 300-1504-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.0081		0.0040	0.0015	mg/L	1		7196A	Total/NA

Client Sample ID: B334D0

Lab Sample ID: 300-1504-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	3.5	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	1.7	D	0.056	0.028	mg/L	2		300.0	Total/NA
Fluoride	0.44	D	0.10	0.050	mg/L	2		300.0	Total/NA
Sulfate	37	D	0.50	0.25	mg/L	2		300.0	Total/NA

Client Sample ID: B33BC9

Lab Sample ID: 300-1504-10

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	5.2	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: CH2M Hill Chemical

TestAmerica Job ID: 300-1504-1
 SDG: WC0594

Client Sample ID: B33BC9 (Continued)

Lab Sample ID: 300-1504-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoride	0.15	D	0.10	0.050	mg/L	2		300.0	Total/NA
Sulfate	70	D	0.50	0.25	mg/L	2		300.0	Total/NA

Client Sample ID: B33BC8

Lab Sample ID: 300-1504-11

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	5.3	D	0.056	0.028	mg/L	2		300.0	Total/NA
Fluoride	0.15	D	0.10	0.050	mg/L	2		300.0	Total/NA
Sulfate	71	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: CH2M Hill Chemical

TestAmerica Job ID: 300-1504-1
 SDG: WC0594

Client Sample ID: B334L9

Date Collected: 11/12/15 10:13

Date Received: 11/12/15 14:25

Lab Sample ID: 300-1504-1

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.082		0.0040	0.0015	mg/L			11/12/15 17:36	1

Client Sample ID: B334L5

Date Collected: 11/12/15 10:13

Date Received: 11/12/15 14:25

Lab Sample ID: 300-1504-2

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.082		0.0040	0.0015	mg/L			11/12/15 17:36	1

Client Sample ID: B33454

Date Collected: 11/12/15 08:43

Date Received: 11/12/15 14:25

Lab Sample ID: 300-1504-3

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0066		0.0040	0.0015	mg/L			11/12/15 17:37	1

Client Sample ID: B33452

Date Collected: 11/12/15 08:43

Date Received: 11/12/15 14:25

Lab Sample ID: 300-1504-4

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0065		0.0040	0.0015	mg/L			11/12/15 17:37	1

Client Sample ID: B334L6

Date Collected: 11/12/15 10:13

Date Received: 11/12/15 14:25

Lab Sample ID: 300-1504-5

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.082		0.0040	0.0015	mg/L			11/12/15 17:37	1

Client Sample ID: B334M0

Date Collected: 11/12/15 10:13

Date Received: 11/12/15 14:25

Lab Sample ID: 300-1504-6

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.083		0.0040	0.0015	mg/L			11/12/15 17:38	1

Client Sample ID: B334D3

Date Collected: 11/12/15 11:31

Date Received: 11/12/15 14:25

Lab Sample ID: 300-1504-7

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0055		0.0040	0.0015	mg/L			11/12/15 17:41	1

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
 Project/Site: CH2M Hill Chemical

TestAmerica Job ID: 300-1504-1
 SDG: WC0594

Client Sample ID: B334D1
Date Collected: 11/12/15 11:31
Date Received: 11/12/15 14:25

Lab Sample ID: 300-1504-8
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0081		0.0040	0.0015	mg/L			11/12/15 17:41	1

Client Sample ID: B334D0
Date Collected: 11/12/15 11:31
Date Received: 11/12/15 14:25

Lab Sample ID: 300-1504-9
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.5	D	0.40	0.20	mg/L			11/12/15 21:45	2
Nitrate as N	1.7	D	0.056	0.028	mg/L			11/12/15 21:45	2
Fluoride	0.44	D	0.10	0.050	mg/L			11/12/15 21:45	2
Nitrite as N	0.038	U	0.076	0.038	mg/L			11/12/15 21:45	2
Sulfate	37	D	0.50	0.25	mg/L			11/12/15 21:45	2

Client Sample ID: B33BC9
Date Collected: 11/12/15 10:13
Date Received: 11/12/15 14:25

Lab Sample ID: 300-1504-10
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			11/12/15 22:30	2
Nitrate as N	5.2	D	0.056	0.028	mg/L			11/12/15 22:30	2
Fluoride	0.15	D	0.10	0.050	mg/L			11/12/15 22:30	2
Nitrite as N	0.038	U	0.076	0.038	mg/L			11/12/15 22:30	2
Sulfate	70	D	0.50	0.25	mg/L			11/12/15 22:30	2

Client Sample ID: B33BC8
Date Collected: 11/12/15 10:13
Date Received: 11/12/15 14:25

Lab Sample ID: 300-1504-11
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			11/12/15 22:45	2
Nitrate as N	5.3	D	0.056	0.028	mg/L			11/12/15 22:45	2
Fluoride	0.15	D	0.10	0.050	mg/L			11/12/15 22:45	2
Nitrite as N	0.038	U	0.076	0.038	mg/L			11/12/15 22:45	2
Sulfate	71	D	0.50	0.25	mg/L			11/12/15 22:45	2

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 300-1967/45
 Matrix: Water
 Analysis Batch: 1967

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			11/12/15 21:15	1
Nitrite as N	0.019	U	0.038	0.019	mg/L			11/12/15 21:15	1

Lab Sample ID: LCS 300-1967/46
 Matrix: Water
 Analysis Batch: 1967

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	3.25		mg/L		107	80 - 120

Lab Sample ID: 300-1504-9 MS
 Matrix: Water
 Analysis Batch: 1967

Client Sample ID: B334D0
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	1.7	D	0.452	2.13	D	mg/L		106	75 - 125
Nitrite as N	0.038	U	0.609	0.576	D	mg/L		95	75 - 125

Lab Sample ID: 300-1504-9 DU
 Matrix: Water
 Analysis Batch: 1967

Client Sample ID: B334D0
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrate as N	1.7	D	1.65	D	mg/L		0	20
Nitrite as N	0.038	U	0.038	U	mg/L		NC	20

Lab Sample ID: MB 300-1968/45
 Matrix: Water
 Analysis Batch: 1968

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			11/12/15 21:15	1
Fluoride	0.025	U	0.050	0.025	mg/L			11/12/15 21:15	1
Sulfate	0.13	U	0.25	0.13	mg/L			11/12/15 21:15	1

Lab Sample ID: LCS 300-1968/46
 Matrix: Water
 Analysis Batch: 1968

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	16.7		mg/L		105	80 - 120
Fluoride	4.00	4.23		mg/L		106	80 - 120
Sulfate	20.0	21.1		mg/L		105	80 - 120

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 300-1504-9 MS
 Matrix: Water
 Analysis Batch: 1968

Client Sample ID: B334D0
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	3.5	D	3.20	6.80	D	mg/L		104	75 - 125
Fluoride	0.44	D	0.800	1.25	D	mg/L		102	75 - 125
Sulfate	37	D	4.00	40.7	D	mg/L		101	75 - 125

Lab Sample ID: 300-1504-9 DU
 Matrix: Water
 Analysis Batch: 1968

Client Sample ID: B334D0
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chloride	3.5	D	3.46	D	mg/L		0	20
Fluoride	0.44	D	0.438	D	mg/L		0.05	20
Sulfate	37	D	36.6	D	mg/L		0.3	20

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 300-1981/3
 Matrix: Water
 Analysis Batch: 1981

Client Sample ID: Method Blank
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0015	U	0.0040	0.0015	mg/L			11/12/15 17:32	1

Lab Sample ID: LCS 300-1981/4
 Matrix: Water
 Analysis Batch: 1981

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	0.250	0.248		mg/L		99	80 - 120

Lab Sample ID: 300-1504-1 MS
 Matrix: Water
 Analysis Batch: 1981

Client Sample ID: B334L9
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	0.082		0.0500	0.130		mg/L		96	85 - 115

Lab Sample ID: 300-1504-1 DU
 Matrix: Water
 Analysis Batch: 1981

Client Sample ID: B334L9
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cr (VI)	0.082		0.0822		mg/L		0	20

Client: CH2M Hill Plateau Remediation Company
 Project/Site: CH2M Hill Chemical

TestAmerica Job ID: 300-1504-1
 SDG: WC0594

HPLC/IC

Analysis Batch: 1967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-1504-9	B334D0	Total/NA	Water	300.0	
300-1504-9 DU	B334D0	Total/NA	Water	300.0	
300-1504-9 MS	B334D0	Total/NA	Water	300.0	
300-1504-10	B33BC9	Total/NA	Water	300.0	
300-1504-11	B33BC8	Total/NA	Water	300.0	
LCS 300-1967/46	Lab Control Sample	Total/NA	Water	300.0	
MB 300-1967/45	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 1968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-1504-9	B334D0	Total/NA	Water	300.0	
300-1504-9 DU	B334D0	Total/NA	Water	300.0	
300-1504-9 MS	B334D0	Total/NA	Water	300.0	
300-1504-10	B33BC9	Total/NA	Water	300.0	
300-1504-11	B33BC8	Total/NA	Water	300.0	
LCS 300-1968/46	Lab Control Sample	Total/NA	Water	300.0	
MB 300-1968/45	Method Blank	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 1981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-1504-1	B334L9	Total/NA	Water	7196A	
300-1504-1 DU	B334L9	Total/NA	Water	7196A	
300-1504-1 MS	B334L9	Total/NA	Water	7196A	
300-1504-2	B334L5	Total/NA	Water	7196A	
300-1504-3	B33454	Total/NA	Water	7196A	
300-1504-4	B33452	Total/NA	Water	7196A	
300-1504-5	B334L6	Total/NA	Water	7196A	
300-1504-6	B334M0	Total/NA	Water	7196A	
300-1504-7	B334D3	Total/NA	Water	7196A	
300-1504-8	B334D1	Total/NA	Water	7196A	
LCS 300-1981/4	Lab Control Sample	Total/NA	Water	7196A	
MB 300-1981/3	Method Blank	Total/NA	Water	7196A	

Client: CH2M Hill Plateau Remediation Company
 Project/Site: CH2M Hill Chemical

TestAmerica Job ID: 300-1504-1
 SDG: WC0594

Client Sample ID: B334L9

Date Collected: 11/12/15 10:13

Date Received: 11/12/15 14:25

Lab Sample ID: 300-1504-1

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	7196A		1			1981	11/12/15 17:36	AMC	TAL RCH

Client Sample ID: B334L5

Date Collected: 11/12/15 10:13

Date Received: 11/12/15 14:25

Lab Sample ID: 300-1504-2

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	7196A		1			1981	11/12/15 17:36	AMC	TAL RCH

Client Sample ID: B33454

Date Collected: 11/12/15 08:43

Date Received: 11/12/15 14:25

Lab Sample ID: 300-1504-3

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	7196A		1			1981	11/12/15 17:37	AMC	TAL RCH

Client Sample ID: B33452

Date Collected: 11/12/15 08:43

Date Received: 11/12/15 14:25

Lab Sample ID: 300-1504-4

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	7196A		1			1981	11/12/15 17:37	AMC	TAL RCH

Client Sample ID: B334L6

Date Collected: 11/12/15 10:13

Date Received: 11/12/15 14:25

Lab Sample ID: 300-1504-5

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	7196A		1			1981	11/12/15 17:37	AMC	TAL RCH

Client Sample ID: B334M0

Date Collected: 11/12/15 10:13

Date Received: 11/12/15 14:25

Lab Sample ID: 300-1504-6

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	7196A		1			1981	11/12/15 17:38	AMC	TAL RCH

Client: CH2M Hill Plateau Remediation Company
 Project/Site: CH2M Hill Chemical

TestAmerica Job ID: 300-1504-1
 SDG: WC0594

Client Sample ID: B334D3

Date Collected: 11/12/15 11:31
 Date Received: 11/12/15 14:25

Lab Sample ID: 300-1504-7

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	7196A		1			1981	11/12/15 17:41	AMC	TAL RCH

Client Sample ID: B334D1

Date Collected: 11/12/15 11:31
 Date Received: 11/12/15 14:25

Lab Sample ID: 300-1504-8

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	7196A		1			1981	11/12/15 17:41	AMC	TAL RCH

Client Sample ID: B334D0

Date Collected: 11/12/15 11:31
 Date Received: 11/12/15 14:25

Lab Sample ID: 300-1504-9

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		1967	11/12/15 21:45	CPM	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		1968	11/12/15 21:45	CPM	TAL RCH

Client Sample ID: B33BC9

Date Collected: 11/12/15 10:13
 Date Received: 11/12/15 14:25

Lab Sample ID: 300-1504-10

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		1967	11/12/15 22:30	CPM	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		1968	11/12/15 22:30	CPM	TAL RCH

Client Sample ID: B33BC8

Date Collected: 11/12/15 10:13
 Date Received: 11/12/15 14:25

Lab Sample ID: 300-1504-11

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		1967	11/12/15 22:45	CPM	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		1968	11/12/15 22:45	CPM	TAL RCH

Client Sample ID: B334L9

Date Collected: 11/12/15 10:13
 Date Received: 11/12/15 14:25

Lab Sample ID: 300-1504-1 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	7196A		1			1981	11/12/15 17:36	AMC	TAL RCH

Client: CH2M Hill Plateau Remediation Company
 Project/Site: CH2M Hill Chemical

TestAmerica Job ID: 300-1504-1
 SDG: WC0594

Client Sample ID: B334D0

Lab Sample ID: 300-1504-9 DU

Date Collected: 11/12/15 11:31

Matrix: Water

Date Received: 11/12/15 14:25

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		1967	11/12/15 22:15	CPM	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		1968	11/12/15 22:15	CPM	TAL RCH

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 300-1967/46

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		1967	11/12/15 21:30	CPM	TAL RCH

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 300-1968/46

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		1968	11/12/15 21:30	CPM	TAL RCH

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 300-1981/4

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	7196A		1	10 mL		1981	11/12/15 17:33	AMC	TAL RCH

Client Sample ID: Method Blank

Lab Sample ID: MB 300-1967/45

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		1967	11/12/15 21:15	CPM	TAL RCH

Client Sample ID: Method Blank

Lab Sample ID: MB 300-1968/45

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		1968	11/12/15 21:15	CPM	TAL RCH

Client: CH2M Hill Plateau Remediation Company
 Project/Site: CH2M Hill Chemical

TestAmerica Job ID: 300-1504-1
 SDG: WC0594

Client Sample ID: Method Blank

Lab Sample ID: MB 300-1981/3

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	7196A		1			1981	11/12/15 17:32	AMC	TAL RCH

Client Sample ID: B334L9

Lab Sample ID: 300-1504-1 MS

Date Collected: 11/12/15 10:13

Matrix: Water

Date Received: 11/12/15 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7196A		1		3.0 mL	1981	11/12/15 17:33	AMC	TAL RCH

Client Sample ID: B334D0

Lab Sample ID: 300-1504-9 MS

Date Collected: 11/12/15 11:31

Matrix: Water

Date Received: 11/12/15 14:25

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		1967	11/12/15 22:00	CPM	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		1968	11/12/15 22:00	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: CH2M Hill Chemical

TestAmerica Job ID: 300-1504-1
SDG: WC0594

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	TAL RCH
7196A	Chromium, Hexavalent	SW846	TAL RCH

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

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: CH2M Hill Chemical

TestAmerica Job ID: 300-1504-1
 SDG: WC0594

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
300-1504-1	B334L9	Water	11/12/15 10:13	11/12/15 14:25
300-1504-2	B334L5	Water	11/12/15 10:13	11/12/15 14:25
300-1504-3	B33454	Water	11/12/15 08:43	11/12/15 14:25
300-1504-4	B33452	Water	11/12/15 08:43	11/12/15 14:25
300-1504-5	B334L6	Water	11/12/15 10:13	11/12/15 14:25
300-1504-6	B334M0	Water	11/12/15 10:13	11/12/15 14:25
300-1504-7	B334D3	Water	11/12/15 11:31	11/12/15 14:25
300-1504-8	B334D1	Water	11/12/15 11:31	11/12/15 14:25
300-1504-9	B334D0	Water	11/12/15 11:31	11/12/15 14:25
300-1504-10	B33BC9	Water	11/12/15 10:13	11/12/15 14:25
300-1504-11	B33BC8	Water	11/12/15 10:13	11/12/15 14:25



Login Sample Receipt Checklist

Client: CH2M Hill Plateau Remediation Company

Job Number: 300-1504-1

SDG Number: WC0594

Login Number: 1504

List Number: 1

Creator: Friesz, Jordan D

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.	N/A	
Residual Chlorine Checked.	N/A	

