

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

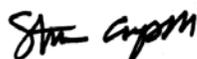
## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Richland  
2800 George Washington Way  
Richland, WA 99352  
Tel: (509)375-3131

TestAmerica Job ID: 300-3356-1  
TestAmerica Sample Delivery Group: WC1203  
Client Project/Site: F16-046

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

Attn: CPP Sample Management



Authorized for release by:  
6/30/2016 3:36:50 PM  
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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 less than five times the MDL.*



### LINKS

Review your project results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

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Definitions/Glossary

Client: CH2M Hill Plateau Remediation Company  
 Project/Site: F16-046

TestAmerica Job ID: 300-3356-1  
 SDG: WC1203

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

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)



Case Narrative

Client: CH2M Hill Plateau Remediation Company  
Project/Site: F16-046

TestAmerica Job ID: 300-3356-1  
SDG: WC1203

Job ID: 300-3356-1

Laboratory: TestAmerica Richland

Narrative

Job Narrative  
300-3356-1

Comments

No additional comments.

Receipt

The samples were received on 6/27/2016 2:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 6.7° C.

HPLC/IC

Method 300.0: The following samples required filtration to reduce matrix interferences and solids: B35WJ9 (300-3356-7) and B35WJ3 (300-3356-8).

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.



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CH2MHill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F16-046-018	PAGE 1 OF 1
COLLECTOR Kevin Patterson CHPRC	COMPANY CONTACT SUMNER, LC	TELEPHONE NO. 376-3922	PROJECT COORDINATOR SUMNER, LC	PRICE CODE C05	DATA TURNAROUND 7 Days / 7 Days
SAMPLING LOCATION 289-TA, Pre UX Resin Column, Valve V25-Y11A1	PROJECT DESIGNATION 200W Pump & Treat - Treatment Plant Compliance Sampling - Water	FIELD LOGBOOK NO. HNF-N-49115	SAF NO. F16-046	AIR QUALITY <input type="checkbox"/>	METHOD OF SHIPMENT GOVERNMENT VEHICLE
ICE CHEST NO. N/A	NO. OF CONTAINERS(S) 1	ACTUAL SAMPLE DEPTH N/A	COA 303700	BILL OF LADING/AIR BILL NO. N/A	ORIGINAL
SHIPPED TO TestAmerica Incorporated, Richland	OFFSITE PROPERTY NO. N/A	PRESERVATION Cool <=6C	HOLDING TIME 24 Hours		

MATRIX*	POSSIBLE SAMPLE HAZARDS/ REMARKS	NO. OF CONTAINERS(S)	VOLUME	SAMPLE ANALYSIS
A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment I=I-tissue V=Vegetation W=Water WI=Wipe X=Other	*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/JATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1. N/A	1	60ml	7196 CR6; COMMON;
B35WK3	WATER	JUN 27 2016	1003	✓

#3354  
USC1203  
Dug N-4-114



300-3356 CCC

CHAIN OF POSSESSION	DATE/TIME	RECEIVED BY/STORED IN	SIGN/ PRINT NAMES	SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM Kevin Patterson CHPRC	JUN 27 2016 1115	RECEIVED BY/STORED IN Troy Baeon CHPRC	JUN 27 2016 1115	TRVL-16-158
RELINQUISHED BY/REMOVED FROM Troy Baeon CHPRC	JUN 27 2016 1430	RECEIVED BY/STORED IN J. Bock, TARL	JUN 27 2016 1430	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME	
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME	



<b>CH2MHill Plateau Remediation Company</b>		<b>CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST</b>		<b>FL16-046-031</b>	<b>PAGE 1 OF 1</b>
<b>COLLECTOR</b> Kevin Patterson	<b>COMPANY CONTACT</b> SUMNER, LC	<b>TELEPHONE NO.</b> 376-3922	<b>PROJECT COORDINATOR</b> SUMNER, LC	<b>PRICE CODE</b> C05	<b>DATA TURNAROUND</b> 7 Days / 7 Days
<b>SAMPLING LOCATION</b> 289-TA, Pre TC991X Resin Tanks, Valve V05-Y20	<b>PROJECT DESIGNATION</b> 200W Pump & Treat - Treatment Plant Compliance Sampling - Water	<b>FIELD LOGBOOK NO.</b> HNF-N-49115	<b>ACTUAL SAMPLE DEPTH</b> N/A	<b>SAF NO.</b> FL16-046	<b>AIR QUALITY</b> <input type="checkbox"/>
<b>ICE CHEST NO.</b> N/A	<b>OFFSITE PROPERTY NO.</b> N/A	<b>COA</b> 303700	<b>BILL OF LADING/AIR BILL NO.</b> N/A	<b>METHOD OF SHIPMENT</b> GOVERNMENT VEHICLE	<b>ORIGINAL</b>

<b>MATRIX*</b> A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> *Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR/JATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1. N/A	<b>PRESERVATION</b> Cool <=6C	<b>HOLDING TIME</b> 24 Hours	<b>NO. OF CONTAINER(S)</b> 1	<b>VOLUME</b> 60mL	<b>SAMPLE ANALYSIS</b> 7196 CR6; COMMON;
<b>SPECIAL HANDLING AND/OR STORAGE</b>						
<b>SAMPLE NO.</b> B35WL6	<b>MATRIX*</b> WATER	<b>SAMPLE DATE</b> JUN 27 2016	<b>SAMPLE TIME</b> 1150			3354 W C1203

<b>CHAIN OF POSSESSION</b>		<b>SIGN / PRINT NAMES</b>		<b>SPECIAL INSTRUCTIONS</b>	
RELINQUISHED BY/REMOVED FROM CHPRC	DATE/TIME JUN 27 2016 1110	RECEIVED BY/STORED IN Toy Bacon	DATE/TIME JUN 27 2016 1110	TRVL-16-158	
RELINQUISHED BY/REMOVED FROM Toy Bacon	DATE/TIME JUN 27 2016 1110	RECEIVED BY/STORED IN Toy Bacon	DATE/TIME JUN 27 2016 1110		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN J. Bock, TARI	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
<b>LABORATORY SECTION</b>	<b>RECEIVED BY</b>	<b>TITLE</b>	<b>DATE/TIME</b>	<b>DISPOSED BY</b>	<b>DATE/TIME</b>
<b>FINAL SAMPLE DISPOSITION</b>	<b>DISPOSAL METHOD</b>				



CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		FIG-046-007	PAGE 1 OF 1
<b>COLLECTOR</b> Kevin Patterson CHPRC	<b>COMPANY CONTACT</b> SUMNER, LC	<b>TELEPHONE NO.</b> 376-3922	<b>PROJECT COORDINATOR</b> SUMNER, LC	<b>PRICE CODE</b> C05	<b>DATA TURNAROUND</b> 7 Days / 7 Days
<b>SAMPLING LOCATION</b> 289-T, Effluent Tank, Valve V07-Y80	<b>PROJECT DESIGNATION</b> 200W Pump & Treat - Treatment Plant Compliance Sampling - Water	<b>FIELD LOGBOOK NO.</b> HNF-N-49115	<b>ACTUAL SAMPLE DEPTH</b> N/A	<b>SAF NO.</b> FIG-046	<b>AIR QUALITY</b> <input type="checkbox"/>
<b>ICE CHEST NO.</b> N/A	<b>OFFSITE PROPERTY NO.</b> N/A	<b>COA</b> 303700	<b>BILL OF LADING/AIR BILL NO.</b> N/A	<b>METHOD OF SHIPMENT</b> GOVERNMENT VEHICLE	<b>ORIGINAL</b>
<b>SHIPPED TO</b> TestAmerica Incorporated, Richland					

<b>MATRIX*</b> A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Settlement T=Tissue V=Vegetation W=Water WT=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/DATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1. N/A	<b>PRESERVATION</b> Cool <=6C	<b>HOLDING TIME</b> 24 Hours	<b>TYPE OF CONTAINER</b> ag	<b>NO. OF CONTAINER(S)</b> 1	<b>VOLUME</b> 60ml	<b>SAMPLE ANALYSIS</b> 7196, CR6, COMMON		
		<b>SPECIAL HANDLING AND/OR STORAGE</b>	43356 WC1203						
		<b>SAMPLE NO.</b> B35WJ2	<b>MATRIX*</b> WATER	<b>SAMPLE DATE</b> JUN 27 2016	<b>SAMPLE TIME</b> 1220				

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM Kevin Patterson CHPRC	DATE/TIME JUN 27 2016 1310	RECEIVED BY/STORED IN Janelle Zinke CHPRC	DATE/TIME JUN 27 2016 1310	TRVL-16-158	
RELINQUISHED BY/REMOVED FROM Janelle Zinke CHPRC	DATE/TIME JUN 27 2016 1330	RECEIVED BY/STORED IN J. Bock, TARBUN	DATE/TIME JUN 27 2016 1330		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
<b>LABORATORY SECTION</b>	RECEIVED BY	TITLE		DATE/TIME	
<b>FINAL SAMPLE DISPOSITION</b>	DISPOSAL METHOD	DISPOSED BY		DATE/TIME	

PRINTED ON 6/16/2016 FSR ID = FSR32905 TRVL NUM = TRVL-16-158 A-6003-618 (REV 2)



CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F16-046-041	PAGE 1 OF 1
COLLECTOR Kevin Patterson CHPRC	COMPANY CONTACT SUMNER, LC	TELEPHONE NO. 376-3922	PROJECT COORDINATOR SUMNER, LC	PRICE CODE C05	DATA TURNAROUND 7 Days / 7 Days
SAMPLING LOCATION 289-TA, Post-T9919X Resin Tanks, Valve V06-Y22	PROJECT DESIGNATION 200W Pump & Treat - Treatment Plant Compliance Sampling - Water	FIELD LOGBOOK NO. HNF-N-49115	SAF NO. F16-046	AIR QUALITY <input type="checkbox"/>	METHOD OF SHIPMENT GOVERNMENT VEHICLE
ICE CHEST NO. N/A	NO. OF CONTAINER(S) 1	ACTUAL SAMPLE DEPTH N/A	COA 303700	ORIGINAL	
SHIPPED TO TestAmerica Incorporated, Richland	OFFSITE PROPERTY NO. N/A	BILL OF LADING/AIR BILL NO. N/A			

MATRIX* A=Air DI=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WT=Pipe X=Other	*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/LATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1. N/A	PRESERVATION	Cool <=6C
		HOLDING TIME	24 Hours
		TYPE OF CONTAINER	ag
		VOLUME	60mL
SPECIAL HANDLING AND/OR STORAGE		7196 CR6 COMMON;	
SAMPLE NO. B35WM6	MATRIX* WATER	SAMPLE DATE JUN 27 2016	SAMPLE TIME 1125

23554  
W01233

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM Kevin Patterson CHPRC	DATE/TIME JUN 27 2016 1125	RECEIVED BY/STORED IN Janelle Zunko CHPRC	DATE/TIME JUN 27 2016 1510	TRVL-16-158	
RELINQUISHED BY/REMOVED FROM Janelle Zunko CHPRC	DATE/TIME JUN 27 2016 1125	RECEIVED BY/STORED IN Janelle Zunko CHPRC	DATE/TIME JUN 27 2016 1510		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME





CH2MHill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F16-046-032	PAGE 1 OF 1
<b>COLLECTOR</b> Kevin Paterson CHPRC	<b>COMPANY CONTACT</b> SUMNER, LC	<b>TELEPHONE NO.</b> 376-3922	<b>PROJECT COORDINATOR</b> SUMNER, LC	<b>PRICE CODE</b> C05	<b>DATA TURNAROUND</b> 7 Days / 7 Days
<b>SAMPLING LOCATION</b> 289-TA, Pre T-591X Resin Tanks, Valve V05-Y20	<b>PROJECT DESIGNATION</b> 200W Pump & Treat - Treatment Plant Compliance Sampling - Water	<b>FIELD LOGBOOK NO.</b> HNE-N-49115	<b>ACTUAL SAMPLE DEPTH</b> N/A	<b>SAF NO.</b> F16-046	<b>METHOD OF SHIPMENT</b> GOVERNMENT VEHICLE <b>ORIGINAL</b>
<b>ICE CHEST NO.</b> N/A	<b>OFFSITE PROPERTY NO.</b> N/A	<b>BILL OF LADING/AIR BILL NO.</b> N/A			
<b>SHIPPED TO</b> TestAmerica Incorporated, Richland					

<b>MATRIX*</b> A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Sediment SE=Sediment T=Tissue V=Vegetation W=Water WT=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/JATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1. N/A	<b>PRESERVATION</b> Cool <=6C	<b>HOLDING TIME</b> 48 Hours	<b>TYPE OF CONTAINER</b> P	<b>NO. OF CONTAINER(S)</b> 1	<b>VOLUME</b> 250ml	<b>SPECIAL HANDLING AND/OR STORAGE</b> SEE ITEM (1) IN SPECIAL INSTRUCTIONS	
		<b>SAMPLE NO.</b> B35WL7	<b>MATRIX*</b> WATER	<b>SAMPLE DATE</b> JUN 27 2016	<b>SAMPLE TIME</b> 1100			

B355D  
WC1203

<b>CHAIN OF POSSESSION</b>		<b>SIGN/ PRINT NAMES</b>		<b>SPECIAL INSTRUCTIONS</b>	
RELINQUISHED BY/REMOVED FROM Kevin Paterson	DATE/TIME JUN 27 2016 1100	RECEIVED BY/STORED IN Kevin Paterson	DATE/TIME JUN 27 2016 1100	TRVL-16-158 (1) 300.0 ANIONS_IC: COMMON; 300.0 ANIONS_IC: COMMON (Add-on) {Bromide};	
RELINQUISHED BY/REMOVED FROM Toy Bacon CHPRC	DATE/TIME JUN 27 2016 1100	RECEIVED BY/STORED IN Toy L. Bacon	DATE/TIME JUN 27 2016 1100		
RELINQUISHED BY/REMOVED FROM Toy Bacon CHPRC	DATE/TIME JUN 27 2016 1100	RECEIVED BY/STORED IN J. Bock, TABL	DATE/TIME JUN 27 2016 1100		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
<b>LABORATORY SECTION</b>	<b>RECEIVED BY</b>	<b>TITLE</b>	<b>DATE/TIME</b>		
<b>FINAL SAMPLE DISPOSITION</b>	<b>DISPOSAL METHOD</b>	<b>DISPOSED BY</b>	<b>DATE/TIME</b>		



CH2MHill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F16-046-014	PAGE 1 OF 1
COLLECTOR Kevin Patterson CHPRC	COMPANY CONTACT SUMNER, LC	TELEPHONE NO. 376-3922	PROJECT COORDINATOR SUMNER, LC	PRICE CODE C05	DATA TURNAROUND 7 Days / 7 Days
SAMPLING LOCATION 289-T, Effluent Tank, Valve V07-Y80 ICE CHEST NO. N/A	PROJECT DESIGNATION 200W Pump & Treat - Treatment Plant Compliance Sampling - Water	FIELD LOGBOOK NO. HNF-N-49115	ACTUAL SAMPLE DEPTH N/A	SAF NO. F16-046	<input type="checkbox"/>
SHIPPED TO TestAmerica Incorporated, Richland	OFFSITE PROPERTY NO. N/A	BILL OF LADING/AIR BILL NO. N/A	METHOD OF SHIPMENT GOVERNMENT VEHICLE	<b>ORIGINAL</b>	

MATRIX*	POSSIBLE SAMPLE HAZARDS/ REMARKS	PRESERVATION	HOLDING TIME	TYPE OF CONTAINER	NO. OF CONTAINER(S)	VOLUME	SPECIAL HANDLING AND/OR STORAGE
A=Air DL=Drum Liquids: DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/JATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1. N/A	Cool <=6C	48 Hours	P	1	250ml	
B35WJ9	WATER						

#3354  
WC123

CHAIN OF POSSESSION	SIGN/ PRINT NAMES	SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM Kevin Patterson CHPRC	RECEIVED BY/STORED IN [Signature] CHPRC	TRVL-16-158 (1) 300.0 ANIONS_IC: COMMON; 300.0 ANIONS_IC: COMMON (Add-on) {Bromide};
RELINQUISHED BY/REMOVED FROM Janelle Zanker CHPRC	RECEIVED BY/STORED IN [Signature] 1 Box, TABL	
RELINQUISHED BY/REMOVED FROM	RECEIVED BY/STORED IN	
RELINQUISHED BY/REMOVED FROM	RECEIVED BY/STORED IN	
RELINQUISHED BY/REMOVED FROM	RECEIVED BY/STORED IN	
RELINQUISHED BY/REMOVED FROM	RECEIVED BY/STORED IN	
RELINQUISHED BY/REMOVED FROM	RECEIVED BY/STORED IN	
RELINQUISHED BY/REMOVED FROM	RECEIVED BY/STORED IN	
LABORATORY SECTION	RECEIVED BY	TITLE
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY

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CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		FIG-046-028	PAGE 1 OF 1
<b>COLLECTOR</b> Kevin Patterson CHPRC	<b>COMPANY CONTACT</b> SUMNER, LC	<b>TELEPHONE NO.</b> 376-3922	<b>PROJECT COORDINATOR</b> SUMNER, LC	<b>PRICE CODE</b> C05	<b>DATA TURNAROUND</b> 7 Days / 7 Days
<b>SAMPLING LOCATION</b> 289-TA, Post UDX Resin Column C3, V03-Y11A3	<b>PROJECT DESIGNATION</b> 200W Pump & Treat - Treatment Plant Compliance Sampling - Water	<b>FIELD LOGBOOK NO.</b> HNF-A-49115	<b>ACTUAL SAMPLE DEPTH</b> N/A	<b>SAF NO.</b> F16-046	<input type="checkbox"/> AIR QUALITY
<b>ICE CHEST NO.</b> N/A	<b>OFFSITE PROPERTY NO.</b> N/A	<b>COA</b> 303700	<b>BILL OF LADING/AIR BILL NO.</b> N/A	<b>METHOD OF SHIPMENT</b> GOVERNMENT VEHICLE	<b>ORIGINAL</b>
<b>SHIPPED TO</b> TestAmerica Incorporated, Richland	<b>PRESERVATION</b> Cool <=6C	<b>HOLDING TIME</b> 48 Hours	<b>NO. OF CONTAINER(S)</b> 1	<b>VOLUME</b> 250mL	<b>SEE ITEM (1) IN SPECIAL INSTRUCTIONS</b>

<b>MATRIX*</b> A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WF=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/DATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1. N/A	<b>SAMPLE NO.</b> B35WL3	<b>MATRIX*</b> WATER	<b>SAMPLE DATE</b> JUN 27 2016	<b>SAMPLE TIME</b> 1028	<b>✓</b>
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3356  
W01203

CHAIN OF POSSESSION	SIGN/ PRINT NAMES	SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM Kevin Patterson CHPRC	RECEIVED BY/STORED IN Troy Bacon CHPRC	TRVL-16-158 (1) 300.0 ANIONS_IC: COMMON; 300.0 ANIONS_IC: COMMON (Add-on) {Bromide};
RELINQUISHED BY/REMOVED FROM Troy Bacon CHPRC	RECEIVED BY/STORED IN J. Bock, TARI	
RELINQUISHED BY/REMOVED FROM	RECEIVED BY/STORED IN	
RELINQUISHED BY/REMOVED FROM	RECEIVED BY/STORED IN	
RELINQUISHED BY/REMOVED FROM	RECEIVED BY/STORED IN	
RELINQUISHED BY/REMOVED FROM	RECEIVED BY/STORED IN	
RELINQUISHED BY/REMOVED FROM	RECEIVED BY/STORED IN	
RELINQUISHED BY/REMOVED FROM	RECEIVED BY/STORED IN	
LABORATORY SECTION	RECEIVED BY	TITLE
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY





CH2MHill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		FIG-046-019	PAGE 1 OF 1
<b>COLLECTOR</b> Kevin Patterson CHPRC	<b>COMPANY CONTACT</b> SUMNER, LC	<b>TELEPHONE NO.</b> 376-3922	<b>PROJECT COORDINATOR</b> SUMNER, LC	<b>PRICE CODE</b> C05	<b>DATA TURNAROUND</b> 7 Days / 7 Days
<b>SAMPLING LOCATION</b> 289-TA, Pre UX Resin Column, Valve V25-Y11A1	<b>PROJECT DESIGNATION</b> 200W Pump & Treat - Treatment Plant Compliance Sampling - Water	<b>FIELD LOGBOOK NO.</b> HNF-49115	<b>SAF NO.</b> F16-046	<b>AIR QUALITY</b> <input type="checkbox"/>	<b>METHOD OF SHIPMENT</b> GOVERNMENT VEHICLE
<b>ICE CHEST NO.</b> N/A	<b>NO. OF CONTAINER(S)</b> 1	<b>ACTUAL SAMPLE DEPTH</b> N/A	<b>COA</b> 303700	<b>BILL OF LADING/AIR BILL NO.</b> N/A	<b>ORIGINAL</b>
<b>SHIPPED TO</b> TestAmerica Incorporated, Richland	<b>PRESERVATION</b> Cool <=6C	<b>OFFSITE PROPERTY NO.</b> N/A	<b>VOLUME</b> 250ml		

MATRIX*	SPECIAL HANDLING AND/OR STORAGE	SAMPLING DATE	SAMPLE TIME	REMARKS	
				NO. OF CONTAINER(S)	VOLUME
B35WK4	WATER	JUN 27 2016	1003	1	3554 WCR203

<b>CHAIN OF POSSESSION</b>		<b>SIGN/ PRINT NAMES</b>		<b>SPECIAL INSTRUCTIONS</b>	
RELINQUISHED BY/REMOVED FROM Kevin Patterson CHPRC	DATE/TIME JUN 27 2016 1119	RECEIVED BY/STORED IN CHPRC Toy Bacon	DATE/TIME JUN 27 2016 1115	TRVL-16-158 (1) 300.0 ANIONS_IC: COMMON; 300.0 ANIONS_IC: COMMON (Add-on) {Bromide};	
RELINQUISHED BY/REMOVED FROM Toy Bacon	DATE/TIME JUN 27 2016 1130	RECEIVED BY/STORED IN J. Bock, TARR	DATE/TIME JUN 27 2016 1130		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
LABORATORY SECTION	RECEIVED BY	TITLE		DATE/TIME	
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY		DATE/TIME	

PRINTED ON 6/16/2016 FSR ID = FSR32907 TRVL NUM = TRVL-16-158 A-6003-618 (REV 2)



CH2MHill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		FL6-046-042	PAGE 1 OF 1
<b>COLLECTOR</b> Kevin Patterson CHPRC	<b>COMPANY CONTACT</b> SUMNER, LC	<b>TELEPHONE NO.</b> 376-3922	<b>PROJECT COORDINATOR</b> SUMNER, LC	<b>PRICE CODE</b> C05	<b>DATA TURNAROUND</b> 7 Days / 7 Days
<b>SAMPLING LOCATION</b> 289-1A, Post TC991X Resin Tanks, Valve V06-Y22	<b>PROJECT DESIGNATION</b> 200W Pump & Treat - Treatment Plant Compliance Sampling - Water	<b>FIELD LOGBOOK NO.</b> HNF-N-49115	<b>ACTUAL SAMPLE DEPTH</b> N/A	<b>SAF NO.</b> F16-046	<b>AIR QUALITY</b> <input type="checkbox"/>
<b>ICE CHEST NO.</b> N/A	<b>OFFSITE PROPERTY NO.</b> N/A	<b>BILL OF LADING/AIR BILL NO.</b> N/A	<b>METHOD OF SHIPMENT</b> GOVERNMENT VEHICLE	<b>ORIGINAL</b>	
<b>SHIPPED TO</b> TestAmerica Incorporated, Richland					

<b>MATRIX*</b> A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SP=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/DATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1. N/A	<b>PRESERVATION</b>	Cool <=6C	
		<b>HOLDING TIME</b>	48 Hours	
		<b>TYPE OF CONTAINER</b>	P	
		<b>NO. OF CONTAINER(S)</b>	1	
		<b>VOLUME</b>	250ml	
<b>SPECIAL HANDLING AND/OR STORAGE</b>			SEE ITEM (1) IN SPECIAL INSTRUCTIONS	
<b>SAMPLE NO.</b> B35VM7	<b>MATRIX*</b> WATER	<b>SAMPLE DATE</b> JUN 27 2016	<b>SAMPLE TIME</b> 1125	<b>✓</b>

3354  
WCR253

CHAIN OF POSSESSION	DATE/TIME	RECEIVED BY/STORED IN	SIGN/ PRINT NAMES	DATE/TIME	SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM Kevin Patterson CHPRC	JUN 27 2016 1310	RECEIVED BY/STORED IN Janelle Zunker CHPRC	Janelle Zunker	JUN 27 2016 1310	TRVL-16-158 (1) 300.0 ANIONS_IC: COMMON; 300.0 ANIONS_IC: COMMON (Add-on) {Bromide};
RELINQUISHED BY/REMOVED FROM Janelle Zunker CHPRC	JUN 27 2016 1450	RECEIVED BY/STORED IN J. Bock, TARE	J. Bock, TARE	JUN 27 2016 1450	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	DATE/TIME	
<b>LABORATORY SECTION</b>	<b>RECEIVED BY</b>	<b>TITLE</b>	<b>DATE/TIME</b>	<b>DISPOSED BY</b>	<b>DATE/TIME</b>
<b>FINAL SAMPLE DISPOSITION</b>	<b>DISPOSAL METHOD</b>				

Detection Summary

Client: CH2M Hill Plateau Remediation Company  
Project/Site: F16-046

TestAmerica Job ID: 300-3356-1  
SDG: WC1203

Client Sample ID: B35WK3

Lab Sample ID: 300-3356-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.0042		0.0040	0.0015	mg/L	1		7196A	Total/NA

Client Sample ID: B35WL6

Lab Sample ID: 300-3356-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.029		0.0040	0.0015	mg/L	1		7196A	Total/NA

Client Sample ID: B35WJ2

Lab Sample ID: 300-3356-3

No Detections.

Client Sample ID: B35WM6

Lab Sample ID: 300-3356-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.029		0.0040	0.0015	mg/L	1		7196A	Total/NA

Client Sample ID: B35WJ8

Lab Sample ID: 300-3356-5

No Detections.

Client Sample ID: B35WL7

Lab Sample ID: 300-3356-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	17	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	42	D	0.28	0.14	mg/L	10		300.0	Total/NA
Fluoride	0.43	D	0.10	0.050	mg/L	2		300.0	Total/NA
Sulfate	54	D	0.50	0.25	mg/L	2		300.0	Total/NA
Bromide	0.22	B D	0.25	0.13	mg/L	2		300.0	Total/NA

Client Sample ID: B35WJ9

Lab Sample ID: 300-3356-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	50	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	10	D	0.056	0.028	mg/L	2		300.0	Total/NA
Fluoride	0.40	D	0.10	0.050	mg/L	2		300.0	Total/NA
Nitrite as N	0.15	D	0.076	0.038	mg/L	2		300.0	Total/NA
Sulfate	76	D	0.50	0.25	mg/L	2		300.0	Total/NA
Bromide	0.21	B D	0.25	0.13	mg/L	2		300.0	Total/NA

Client Sample ID: B35WJ3

Lab Sample ID: 300-3356-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	50	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	10	D	0.056	0.028	mg/L	2		300.0	Total/NA
Fluoride	0.40	D	0.10	0.050	mg/L	2		300.0	Total/NA
Nitrite as N	0.16	D	0.076	0.038	mg/L	2		300.0	Total/NA
Sulfate	81	D	0.50	0.25	mg/L	2		300.0	Total/NA
Bromide	0.21	B D	0.25	0.13	mg/L	2		300.0	Total/NA

Client Sample ID: B35WL3

Lab Sample ID: 300-3356-9

This Detection Summary does not include radiochemical test results.

TestAmerica Richland

Detection Summary

Client: CH2M Hill Plateau Remediation Company  
 Project/Site: F16-046

TestAmerica Job ID: 300-3356-1  
 SDG: WC1203

Client Sample ID: B35WL3 (Continued)

Lab Sample ID: 300-3356-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	17	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	53	D	0.56	0.28	mg/L	20		300.0	Total/NA
Fluoride	0.32	D	0.10	0.050	mg/L	2		300.0	Total/NA
Sulfate	81	D	0.50	0.25	mg/L	2		300.0	Total/NA
Bromide	0.21	B D	0.25	0.13	mg/L	2		300.0	Total/NA

Client Sample ID: B35WK8

Lab Sample ID: 300-3356-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	16	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	50	D	0.56	0.28	mg/L	20		300.0	Total/NA
Fluoride	0.33	D	0.10	0.050	mg/L	2		300.0	Total/NA
Sulfate	77	D	0.50	0.25	mg/L	2		300.0	Total/NA
Bromide	0.20	B D	0.25	0.13	mg/L	2		300.0	Total/NA

Client Sample ID: B35WK4

Lab Sample ID: 300-3356-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	17	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	52	D	0.56	0.28	mg/L	20		300.0	Total/NA
Fluoride	0.33	D	0.10	0.050	mg/L	2		300.0	Total/NA
Sulfate	63	D	0.50	0.25	mg/L	2		300.0	Total/NA
Bromide	0.21	B D	0.25	0.13	mg/L	2		300.0	Total/NA

Client Sample ID: B35WM7

Lab Sample ID: 300-3356-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	18	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	41	D	0.28	0.14	mg/L	10		300.0	Total/NA
Fluoride	0.44	D	0.10	0.050	mg/L	2		300.0	Total/NA
Sulfate	62	D	0.50	0.25	mg/L	2		300.0	Total/NA
Bromide	0.23	B D	0.25	0.13	mg/L	2		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: CH2M Hill Plateau Remediation Company  
Project/Site: F16-046

TestAmerica Job ID: 300-3356-1  
SDG: WC1203

Client Sample ID: B35WK3

Lab Sample ID: 300-3356-1

Date Collected: 06/27/16 10:03

Matrix: Water

Date Received: 06/27/16 14:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0042		0.0040	0.0015	mg/L			06/28/16 07:55	1

Client Sample ID: B35WL6

Lab Sample ID: 300-3356-2

Date Collected: 06/27/16 11:00

Matrix: Water

Date Received: 06/27/16 14:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.029		0.0040	0.0015	mg/L			06/28/16 07:55	1

Client Sample ID: B35WJ2

Lab Sample ID: 300-3356-3

Date Collected: 06/27/16 12:20

Matrix: Water

Date Received: 06/27/16 14:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0015	U	0.0040	0.0015	mg/L			06/28/16 07:55	1

Client Sample ID: B35WM6

Lab Sample ID: 300-3356-4

Date Collected: 06/27/16 11:25

Matrix: Water

Date Received: 06/27/16 14:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.029		0.0040	0.0015	mg/L			06/28/16 07:56	1

Client Sample ID: B35WJ8

Lab Sample ID: 300-3356-5

Date Collected: 06/27/16 12:20

Matrix: Water

Date Received: 06/27/16 14:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0015	U	0.0040	0.0015	mg/L			06/28/16 07:56	1

Client Sample ID: B35WL7

Lab Sample ID: 300-3356-6

Date Collected: 06/27/16 11:00

Matrix: Water

Date Received: 06/27/16 14:30

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17	D	0.40	0.20	mg/L			06/28/16 13:28	2
Nitrate as N	42	D	0.28	0.14	mg/L			06/28/16 17:44	10
Fluoride	0.43	D	0.10	0.050	mg/L			06/28/16 13:28	2
Nitrite as N	0.038	U D	0.076	0.038	mg/L			06/28/16 13:28	2
Sulfate	54	D	0.50	0.25	mg/L			06/28/16 13:28	2
Bromide	0.22	B D	0.25	0.13	mg/L			06/28/16 13:28	2

Client Sample Results

Client: CH2M Hill Plateau Remediation Company  
Project/Site: F16-046

TestAmerica Job ID: 300-3356-1  
SDG: WC1203

Client Sample ID: B35WJ9

Lab Sample ID: 300-3356-7

Date Collected: 06/27/16 12:20

Matrix: Water

Date Received: 06/27/16 14:30

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50	D	0.40	0.20	mg/L			06/28/16 13:43	2
Nitrate as N	10	D	0.056	0.028	mg/L			06/28/16 13:43	2
Fluoride	0.40	D	0.10	0.050	mg/L			06/28/16 13:43	2
Nitrite as N	0.15	D	0.076	0.038	mg/L			06/28/16 13:43	2
Sulfate	76	D	0.50	0.25	mg/L			06/28/16 13:43	2
Bromide	0.21	B D	0.25	0.13	mg/L			06/28/16 13:43	2

Client Sample ID: B35WJ3

Lab Sample ID: 300-3356-8

Date Collected: 06/27/16 12:20

Matrix: Water

Date Received: 06/27/16 14:30

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50	D	0.40	0.20	mg/L			06/28/16 13:58	2
Nitrate as N	10	D	0.056	0.028	mg/L			06/28/16 13:58	2
Fluoride	0.40	D	0.10	0.050	mg/L			06/28/16 13:58	2
Nitrite as N	0.16	D	0.076	0.038	mg/L			06/28/16 13:58	2
Sulfate	81	D	0.50	0.25	mg/L			06/28/16 13:58	2
Bromide	0.21	B D	0.25	0.13	mg/L			06/28/16 13:58	2

Client Sample ID: B35WL3

Lab Sample ID: 300-3356-9

Date Collected: 06/27/16 10:28

Matrix: Water

Date Received: 06/27/16 14:30

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17	D	0.40	0.20	mg/L			06/28/16 14:43	2
Nitrate as N	53	D	0.56	0.28	mg/L			06/28/16 18:30	20
Fluoride	0.32	D	0.10	0.050	mg/L			06/28/16 14:43	2
Nitrite as N	0.038	U D	0.076	0.038	mg/L			06/28/16 14:43	2
Sulfate	81	D	0.50	0.25	mg/L			06/28/16 14:43	2
Bromide	0.21	B D	0.25	0.13	mg/L			06/28/16 14:43	2

Client Sample ID: B35WK8

Lab Sample ID: 300-3356-10

Date Collected: 06/27/16 10:17

Matrix: Water

Date Received: 06/27/16 14:30

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16	D	0.40	0.20	mg/L			06/28/16 14:58	2
Nitrate as N	50	D	0.56	0.28	mg/L			06/28/16 18:45	20
Fluoride	0.33	D	0.10	0.050	mg/L			06/28/16 14:58	2
Nitrite as N	0.038	U D	0.076	0.038	mg/L			06/28/16 14:58	2
Sulfate	77	D	0.50	0.25	mg/L			06/28/16 14:58	2
Bromide	0.20	B D	0.25	0.13	mg/L			06/28/16 14:58	2

Client Sample Results

Client: CH2M Hill Plateau Remediation Company  
 Project/Site: F16-046

TestAmerica Job ID: 300-3356-1  
 SDG: WC1203

Client Sample ID: B35WK4

Lab Sample ID: 300-3356-11

Date Collected: 06/27/16 10:03

Matrix: Water

Date Received: 06/27/16 14:30

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17	D	0.40	0.20	mg/L			06/28/16 15:13	2
Nitrate as N	52	D	0.56	0.28	mg/L			06/28/16 19:00	20
Fluoride	0.33	D	0.10	0.050	mg/L			06/28/16 15:13	2
Nitrite as N	0.038	U D	0.076	0.038	mg/L			06/28/16 15:13	2
Sulfate	63	D	0.50	0.25	mg/L			06/28/16 15:13	2
Bromide	0.21	B D	0.25	0.13	mg/L			06/28/16 15:13	2

Client Sample ID: B35WM7

Lab Sample ID: 300-3356-12

Date Collected: 06/27/16 11:25

Matrix: Water

Date Received: 06/27/16 14:30

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18	D	0.40	0.20	mg/L			06/28/16 15:28	2
Nitrate as N	41	D	0.28	0.14	mg/L			06/28/16 19:15	10
Fluoride	0.44	D	0.10	0.050	mg/L			06/28/16 15:28	2
Nitrite as N	0.038	U D	0.076	0.038	mg/L			06/28/16 15:28	2
Sulfate	62	D	0.50	0.25	mg/L			06/28/16 15:28	2
Bromide	0.23	B D	0.25	0.13	mg/L			06/28/16 15:28	2

QC Sample Results

Client: CH2M Hill Plateau Remediation Company  
Project/Site: F16-046

TestAmerica Job ID: 300-3356-1  
SDG: WC1203

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 300-4703/5  
Matrix: Water  
Analysis Batch: 4703

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			06/28/16 11:35	1
Nitrite as N	0.019	U	0.038	0.019	mg/L			06/28/16 11:35	1

Lab Sample ID: LCS 300-4703/6  
Matrix: Water  
Analysis Batch: 4703

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	2.37		mg/L		105	80 - 120
Nitrite as N	3.04	3.18		mg/L		105	80 - 120

Lab Sample ID: 300-3358-A-5 MS  
Matrix: Water  
Analysis Batch: 4703

Client Sample ID: Matrix Spike  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	5.3	D	0.452	5.70	D	mg/L		95	75 - 125
Nitrite as N	0.038	U D	0.609	0.523	D	mg/L		86	75 - 125

Lab Sample ID: 300-3358-A-5 DU  
Matrix: Water  
Analysis Batch: 4703

Client Sample ID: Duplicate  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Nitrate as N	5.3	D	5.32	D	mg/L		1	20
Nitrite as N	0.038	U D	0.038	U D	mg/L		NC	20

Lab Sample ID: MB 300-4704/5  
Matrix: Water  
Analysis Batch: 4704

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			06/28/16 11:35	1
Fluoride	0.025	U	0.050	0.025	mg/L			06/28/16 11:35	1
Sulfate	0.13	U	0.25	0.13	mg/L			06/28/16 11:35	1
Bromide	0.063	U	0.13	0.063	mg/L			06/28/16 11:35	1

Lab Sample ID: LCS 300-4704/6  
Matrix: Water  
Analysis Batch: 4704

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	16.0	16.4		mg/L		103	80 - 120
Fluoride	4.00	4.11		mg/L		103	80 - 120
Sulfate	20.0	20.7		mg/L		103	80 - 120
Bromide	10.0	10.5		mg/L		105	80 - 120

QC Sample Results

Client: CH2M Hill Plateau Remediation Company  
Project/Site: F16-046

TestAmerica Job ID: 300-3356-1  
SDG: WC1203

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 300-3358-A-5 MS  
Matrix: Water  
Analysis Batch: 4704

Client Sample ID: Matrix Spike  
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Chloride	13	D	3.20	16.1	D	mg/L		98	75 - 125	
Fluoride	0.15	D	0.800	0.851	D	mg/L		88	75 - 125	
Sulfate	79	D	4.00	82.5	D	mg/L		90	75 - 125	
Bromide	0.18	B D	2.00	1.84	D	mg/L		83	75 - 125	

Lab Sample ID: 300-3358-A-5 DU  
Matrix: Water  
Analysis Batch: 4704

Client Sample ID: Duplicate  
Prep Type: Total/NA

Analyte	Sample	Sample	DU		Unit	D	RPD	RPD	Limit
	Result	Qualifier	Result	Qualifier					
Chloride	13	D	13.1	D	mg/L		1	20	
Fluoride	0.15	D	0.147	D	mg/L		0.7	20	
Sulfate	79	D	79.7	D	mg/L		1	20	
Bromide	0.18	B D	0.180	B D	mg/L		0.2	20	

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 300-4706/3  
Matrix: Water  
Analysis Batch: 4706

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

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Cr (VI)	0.0015	U	0.0040	0.0015	mg/L			06/28/16 07:51	1

Lab Sample ID: LCS 300-4706/4  
Matrix: Water  
Analysis Batch: 4706

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

Analyte	Spike	Added	LCS	LCS	Unit	D	%Rec	%Rec.	Limits
			Result	Qualifier					
Cr (VI)	0.250	0.254			mg/L		102	80 - 120	

Lab Sample ID: 300-3355-A-1 MS  
Matrix: Water  
Analysis Batch: 4706

Client Sample ID: Matrix Spike  
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Cr (VI)	0.0015	B	0.0499	0.0513		mg/L		100	75 - 125	

Lab Sample ID: 300-3355-A-1 DU  
Matrix: Water  
Analysis Batch: 4706

Client Sample ID: Duplicate  
Prep Type: Total/NA

Analyte	Sample	Sample	DU		Unit	D	RPD	RPD	Limit
	Result	Qualifier	Result	Qualifier					
Cr (VI)	0.0015	B	0.0015	U	mg/L		NC	20	

QC Association Summary

Client: CH2M Hill Plateau Remediation Company  
 Project/Site: F16-046

TestAmerica Job ID: 300-3356-1  
 SDG: WC1203

HPLC/IC

Analysis Batch: 4703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-3356-6	B35WL7	Total/NA	Water	300.0	
300-3356-6	B35WL7	Total/NA	Water	300.0	
300-3356-7	B35WJ9	Total/NA	Water	300.0	
300-3356-8	B35WJ3	Total/NA	Water	300.0	
300-3356-9	B35WL3	Total/NA	Water	300.0	
300-3356-9	B35WL3	Total/NA	Water	300.0	
300-3356-10	B35WK8	Total/NA	Water	300.0	
300-3356-10	B35WK8	Total/NA	Water	300.0	
300-3356-11	B35WK4	Total/NA	Water	300.0	
300-3356-11	B35WK4	Total/NA	Water	300.0	
300-3356-12	B35WM7	Total/NA	Water	300.0	
300-3356-12	B35WM7	Total/NA	Water	300.0	
300-3358-A-5 DU	Duplicate	Total/NA	Water	300.0	
300-3358-A-5 MS	Matrix Spike	Total/NA	Water	300.0	
LCS 300-4703/6	Lab Control Sample	Total/NA	Water	300.0	
MB 300-4703/5	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 4704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-3356-6	B35WL7	Total/NA	Water	300.0	
300-3356-7	B35WJ9	Total/NA	Water	300.0	
300-3356-8	B35WJ3	Total/NA	Water	300.0	
300-3356-9	B35WL3	Total/NA	Water	300.0	
300-3356-10	B35WK8	Total/NA	Water	300.0	
300-3356-11	B35WK4	Total/NA	Water	300.0	
300-3356-12	B35WM7	Total/NA	Water	300.0	
300-3358-A-5 DU	Duplicate	Total/NA	Water	300.0	
300-3358-A-5 MS	Matrix Spike	Total/NA	Water	300.0	
LCS 300-4704/6	Lab Control Sample	Total/NA	Water	300.0	
MB 300-4704/5	Method Blank	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 4706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-3355-A-1 DU	Duplicate	Total/NA	Water	7196A	
300-3355-A-1 MS	Matrix Spike	Total/NA	Water	7196A	
300-3356-1	B35WK3	Total/NA	Water	7196A	
300-3356-2	B35WL6	Total/NA	Water	7196A	
300-3356-3	B35WJ2	Total/NA	Water	7196A	
300-3356-4	B35WM6	Total/NA	Water	7196A	
300-3356-5	B35WJ8	Total/NA	Water	7196A	
LCS 300-4706/4	Lab Control Sample	Total/NA	Water	7196A	
MB 300-4706/3	Method Blank	Total/NA	Water	7196A	

Lab Chronicle

Client: CH2M Hill Plateau Remediation Company  
Project/Site: F16-046

TestAmerica Job ID: 300-3356-1  
SDG: WC1203

**Client Sample ID: B35WK3**

Date Collected: 06/27/16 10:03

Date Received: 06/27/16 14:30

**Lab Sample ID: 300-3356-1**

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			4706	06/28/16 07:55	RLC	TAL RCH

**Client Sample ID: B35WL6**

Date Collected: 06/27/16 11:00

Date Received: 06/27/16 14:30

**Lab Sample ID: 300-3356-2**

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			4706	06/28/16 07:55	RLC	TAL RCH

**Client Sample ID: B35WJ2**

Date Collected: 06/27/16 12:20

Date Received: 06/27/16 14:30

**Lab Sample ID: 300-3356-3**

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			4706	06/28/16 07:55	RLC	TAL RCH

**Client Sample ID: B35WM6**

Date Collected: 06/27/16 11:25

Date Received: 06/27/16 14:30

**Lab Sample ID: 300-3356-4**

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			4706	06/28/16 07:56	RLC	TAL RCH

**Client Sample ID: B35WJ8**

Date Collected: 06/27/16 12:20

Date Received: 06/27/16 14:30

**Lab Sample ID: 300-3356-5**

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			4706	06/28/16 07:56	RLC	TAL RCH

**Client Sample ID: B35WL7**

Date Collected: 06/27/16 11:00

Date Received: 06/27/16 14:30

**Lab Sample ID: 300-3356-6**

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		4703	06/28/16 13:28	CPM	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		4704	06/28/16 13:28	CPM	TAL RCH
Total/NA	Analysis	300.0		10	10 mL		4703	06/28/16 17:44	CPM	TAL RCH

Lab Chronicle

Client: CH2M Hill Plateau Remediation Company  
 Project/Site: F16-046

TestAmerica Job ID: 300-3356-1  
 SDG: WC1203

**Client Sample ID: B35WJ9**

**Lab Sample ID: 300-3356-7**

Date Collected: 06/27/16 12:20

Matrix: Water

Date Received: 06/27/16 14:30

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		4703	06/28/16 13:43	CPM	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		4704	06/28/16 13:43	CPM	TAL RCH

**Client Sample ID: B35WJ3**

**Lab Sample ID: 300-3356-8**

Date Collected: 06/27/16 12:20

Matrix: Water

Date Received: 06/27/16 14:30

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		4703	06/28/16 13:58	CPM	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		4704	06/28/16 13:58	CPM	TAL RCH

**Client Sample ID: B35WL3**

**Lab Sample ID: 300-3356-9**

Date Collected: 06/27/16 10:28

Matrix: Water

Date Received: 06/27/16 14:30

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		4703	06/28/16 14:43	CPM	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		4704	06/28/16 14:43	CPM	TAL RCH
Total/NA	Analysis	300.0		20	10 mL		4703	06/28/16 18:30	CPM	TAL RCH

**Client Sample ID: B35WK8**

**Lab Sample ID: 300-3356-10**

Date Collected: 06/27/16 10:17

Matrix: Water

Date Received: 06/27/16 14:30

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		4703	06/28/16 14:58	CPM	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		4704	06/28/16 14:58	CPM	TAL RCH
Total/NA	Analysis	300.0		20	10 mL		4703	06/28/16 18:45	CPM	TAL RCH

**Client Sample ID: B35WK4**

**Lab Sample ID: 300-3356-11**

Date Collected: 06/27/16 10:03

Matrix: Water

Date Received: 06/27/16 14:30

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		4703	06/28/16 15:13	CPM	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		4704	06/28/16 15:13	CPM	TAL RCH
Total/NA	Analysis	300.0		20	10 mL		4703	06/28/16 19:00	CPM	TAL RCH

Lab Chronicle

Client: CH2M Hill Plateau Remediation Company  
Project/Site: F16-046

TestAmerica Job ID: 300-3356-1  
SDG: WC1203

Client Sample ID: B35WM7

Lab Sample ID: 300-3356-12

Date Collected: 06/27/16 11:25

Matrix: Water

Date Received: 06/27/16 14:30

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		4703	06/28/16 15:28	CPM	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		4704	06/28/16 15:28	CPM	TAL RCH
Total/NA	Analysis	300.0		10	10 mL		4703	06/28/16 19:15	CPM	TAL RCH

Client Sample ID: Duplicate

Lab Sample ID: 300-3355-A-1 DU

Date Collected: 06/27/16 12:20

Matrix: Water

Date Received: 06/27/16 14:30

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			4706	06/28/16 07:54	RLC	TAL RCH

Client Sample ID: Duplicate

Lab Sample ID: 300-3358-A-5 DU

Date Collected: 06/27/16 08:48

Matrix: Water

Date Received: 06/27/16 14:30

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		4703	06/28/16 12:43	CPM	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		4704	06/28/16 12:43	CPM	TAL RCH

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 300-4703/6

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		4703	06/28/16 11:57	CPM	TAL RCH

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 300-4704/6

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		4704	06/28/16 11:57	CPM	TAL RCH

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 300-4706/4

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			4706	06/28/16 07:51	RLC	TAL RCH

Lab Chronicle

Client: CH2M Hill Plateau Remediation Company  
 Project/Site: F16-046

TestAmerica Job ID: 300-3356-1  
 SDG: WC1203

**Client Sample ID: Method Blank**

**Lab Sample ID: MB 300-4703/5**

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		4703	06/28/16 11:35	CPM	TAL RCH

**Client Sample ID: Method Blank**

**Lab Sample ID: MB 300-4704/5**

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		4704	06/28/16 11:35	CPM	TAL RCH

**Client Sample ID: Method Blank**

**Lab Sample ID: MB 300-4706/3**

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			4706	06/28/16 07:51	RLC	TAL RCH

**Client Sample ID: Matrix Spike**

**Lab Sample ID: 300-3355-A-1 MS**

Date Collected: 06/27/16 12:20

Matrix: Water

Date Received: 06/27/16 14:30

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	4706	06/28/16 07:51	RLC	TAL RCH

**Client Sample ID: Matrix Spike**

**Lab Sample ID: 300-3358-A-5 MS**

Date Collected: 06/27/16 08:48

Matrix: Water

Date Received: 06/27/16 14:30

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		4703	06/28/16 12:27	CPM	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		4704	06/28/16 12:27	CPM	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: F16-046

TestAmerica Job ID: 300-3356-1  
SDG: WC1203

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: F16-046

TestAmerica Job ID: 300-3356-1  
SDG: WC1203

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
300-3356-1	B35WK3	Water	06/27/16 10:03	06/27/16 14:30
300-3356-2	B35WL6	Water	06/27/16 11:00	06/27/16 14:30
300-3356-3	B35WJ2	Water	06/27/16 12:20	06/27/16 14:30
300-3356-4	B35WM6	Water	06/27/16 11:25	06/27/16 14:30
300-3356-5	B35WJ8	Water	06/27/16 12:20	06/27/16 14:30
300-3356-6	B35WL7	Water	06/27/16 11:00	06/27/16 14:30
300-3356-7	B35WJ9	Water	06/27/16 12:20	06/27/16 14:30
300-3356-8	B35WJ3	Water	06/27/16 12:20	06/27/16 14:30
300-3356-9	B35WL3	Water	06/27/16 10:28	06/27/16 14:30
300-3356-10	B35WK8	Water	06/27/16 10:17	06/27/16 14:30
300-3356-11	B35WK4	Water	06/27/16 10:03	06/27/16 14:30
300-3356-12	B35WM7	Water	06/27/16 11:25	06/27/16 14:30



Login Sample Receipt Checklist

Client: CH2M Hill Plateau Remediation Company

Job Number: 300-3356-1

SDG Number: WC1203

Login Number: 3356

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	

