

June 30, 2017

# 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: 300-5687-1

TestAmerica Sample Delivery Group: WC2126

Client Project/Site: F16-053

For:

CH2M Hill Plateau Remediation Company

825 Jadwin Avenue

Richland, Washington 99352

Attn: CPP Sample Management



Authorized for release by:

6/30/2017 4:10:07 PM

Whitney Ritari, Project Manager I

(509)375-3131 ext164

[whitney.ritari@testamericainc.com](mailto:whitney.ritari@testamericainc.com)

### LINKS

Review your project  
results through

TotalAccess

Have a Question?



Visit us at:

[www.testamericainc.com](http://www.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.*



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## Qualifiers

### HPLC/IC

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

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client: CH2M Hill Plateau Remediation Company  
Project/Site: F16-053

TestAmerica Job ID: 300-5687-1  
SDG: WC2126

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**Job ID: 300-5687-1**

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**Laboratory: TestAmerica Richland**

**Narrative**

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**Job Narrative  
300-5687-1**

**Comments**

No additional comments.

**Receipt**

The samples were received on 6/21/2017 12:25 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.0° C.

**HPLC/IC**

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

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CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F16-053-017	PAGE 1 OF 1
COLLECTOR Kevin Patterson CHPRC	COMPANY CONTACT MEDLEY, HA	TELEPHONE NO. 373-6909	PROJECT COORDINATOR MEDLEY, HA	PRICE CODE 7H	DATA TURNDOWN 30 Days / 30 Days
SAMPLING LOCATION TEDF Generator - WESF Liquid Effluent (SL-47-P-05)	PROJECT DESIGNATION Treated Effluent Disposal Facility (TEDF) Generator Indicator Sampling - W	FIELD LOGBOOK NO. HNF-N-50738/14	ACTUAL SAMPLE DEPTH N/A	SAF NO. F16-053	AIR QUALITY <input type="checkbox"/>
ICE CHEST NO. NA	OFFSITE PROPERTY NO. NA	COA 300009	BILL OF LADING/AIR BILL NO. NA	METHOD OF SHIPMENT GOVERNMENT VEHICLE	
SHIPPED TO TestAmerica Incorporated, Richland					

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	PRESERVATION		HOLDING TIME	TYPE OF CONTAINER	NO. OF CONTAINERS(S)	VOLUME	SPECIAL HANDLING AND/OR STORAGE
				NO. OF CONTAINERS(S)	VOLUME					
B3BCNG	WATER	JUN 21 2017	0949	1	125ml	48 Hours	P	1	125ml	SEE ITEM (1) IN SPECIAL INSTRUCTIONS



300-5687 COC

June 30, 2017

CHAIN OF POSSESSION	SIGN/ PRINT NAMES	SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM Kevin Patterson CHPRC	RECEIVED BY/STORED IN Frank Hall CHPRC	TRVL-17-161; Samplers: obtain field data from generator: Flow: 0/5 pH: 0/5 conductivity: 0/5 WESF POC (liquid effluent and cooling water) is Dave Watson, 509-373-3250.
RELINQUISHED BY/REMOVED FROM Frank Hall CHPRC	RECEIVED BY/STORED IN J. Bock, TARL	(1) 300.0 ANIONS_IC: COMMON {Chloride, Fluoride, Nitrogen in Nitrate, Nitrogen in Nitrite, Sulfate}; 300.0 ANIONS_IC: COMMON (Add on) {Bromide, Phosphorus in phosphate};
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	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

June 30, 2017

<b>CH2M Hill Plateau Remediation Company</b>		<b>CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST</b>		F16-053-020	PAGE 1 OF 1
<b>COLLECTOR</b> Kevin Patterson CHPRC	<b>COMPANY CONTACT</b> MEDLEY, HA	<b>TELEPHONE NO.</b> 373-6909	<b>PROJECT COORDINATOR</b> MEDLEY, HA	<b>PRICE CODE</b> 7H	<b>DATA TURNAROUND</b> 30 Days / 30 Days
<b>SAMPLING LOCATION</b> TEDF Generator - WESF Cooling Water (SL-47-P-09)	<b>PROJECT DESIGNATION</b> Treated Effluent Disposal Facility (TEDF) Generator Indicator Sampling - W		<b>SAF NO.</b> F16-053	<b>AIR QUALITY</b> <input type="checkbox"/>	<b>METHOD OF SHIPMENT</b> GOVERNMENT VEHICLE
<b>ICE CHEST NO.</b> NA	<b>FIELD LOGBOOK NO.</b> HNF-N-50738/14	<b>ACTUAL SAMPLE DEPTH</b> N/A	<b>COA</b> 300009	<b>BILL OF LADING/AIR BILL NO.</b> NA	
<b>SHIPPED TO</b> TestAmerica Incorporated, Richland	<b>OFFSITE PROPERTY NO.</b> NA		<b>ORIGINAL</b>		

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	PRESERVATION		HOLDING TIME	TYPE OF CONTAINER	NO. OF CONTAINERS(S)	VOLUME	SPECIAL HANDLING AND/OR STORAGE	SPECIAL ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS
				Cool <=6C	1							
03BNC9	WATER	JUN 21 2017	1009			48 Hours	P	1	125ml			✓

5089  
water

CHAIN OF POSSESSION	SIGN / PRINT NAMES	SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM Kevin Patterson CHPRC	RECEIVED BY/STORED IN Frank Hill CHPRC	TRVL-17-161; Samplers: obtain field data from generator. Flow: 8.0 pH: 7.00 conductivity: 275 WESF POC (liquid effluent and cooling water) is Dave Watson, 509-373-3250. (1) 300.0 ANIONS_IC: COMMON {Chloride, Fluoride, Nitrogen in Nitrate, Nitrogen in Nitrite, Sulfate}; 300.0 ANIONS_IC: COMMON (Add-on) {Bromide, Phosphorus in phosphate};
RELINQUISHED BY/REMOVED FROM Frank Hill CHPRC	RECEIVED BY/STORED IN J. Boek, TARL	
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	TITLE
LABORATORY SECTION	RECEIVED BY	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DATE/TIME

# June 30, 2017 Detection Summary

Client: CH2M Hill Plateau Remediation Company  
Project/Site: F16-053

TestAmerica Job ID: 300-5687-1  
SDG: WC2126

## Client Sample ID: B3BCN6

Lab Sample ID: 300-5687-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1.5	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	0.37	D	0.056	0.028	mg/L	2		300.0	Total/NA
Fluoride	0.13	D	0.10	0.050	mg/L	2		300.0	Total/NA
Nitrite as N	0.20	D	0.076	0.038	mg/L	2		300.0	Total/NA
Sulfate	10	D	0.50	0.25	mg/L	2		300.0	Total/NA

## Client Sample ID: B3BCN9

Lab Sample ID: 300-5687-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	9.2	D	0.40	0.20	mg/L	2		300.0	Total/NA
Fluoride	0.14	D	0.10	0.050	mg/L	2		300.0	Total/NA
Orthophosphate as P	0.96	D	0.16	0.082	mg/L	2		300.0	Total/NA
Sulfate	55	D	0.50	0.25	mg/L	2		300.0	Total/NA
Bromide	0.36	D	0.25	0.13	mg/L	2		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Richland

Client: CH2M Hill Plateau Remediation Company  
Project/Site: F16-053

TestAmerica Job ID: 300-5687-1  
SDG: WC2126

**Client Sample ID: B3BCN6**

**Lab Sample ID: 300-5687-1**

Date Collected: 06/21/17 09:42

Matrix: Water

Date Received: 06/21/17 12:25

**Method: 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.5	D	0.40	0.20	mg/L			06/21/17 17:09	2
Nitrate as N	0.37	D	0.056	0.028	mg/L			06/21/17 17:09	2
Fluoride	0.13	D	0.10	0.050	mg/L			06/21/17 17:09	2
Nitrite as N	0.20	D	0.076	0.038	mg/L			06/21/17 17:09	2
Orthophosphate as P	0.082	U D	0.16	0.082	mg/L			06/21/17 17:09	2
Sulfate	10	D	0.50	0.25	mg/L			06/21/17 17:09	2
Bromide	0.13	U D	0.25	0.13	mg/L			06/21/17 17:09	2

**Client Sample ID: B3BCN9**

**Lab Sample ID: 300-5687-2**

Date Collected: 06/21/17 10:02

Matrix: Water

Date Received: 06/21/17 12:25

**Method: 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.2	D	0.40	0.20	mg/L			06/21/17 16:24	2
Nitrate as N	0.028	U D	0.056	0.028	mg/L			06/21/17 16:24	2
Fluoride	0.14	D	0.10	0.050	mg/L			06/21/17 16:24	2
Nitrite as N	0.038	U D	0.076	0.038	mg/L			06/21/17 16:24	2
Orthophosphate as P	0.96	D	0.16	0.082	mg/L			06/21/17 16:24	2
Sulfate	55	D	0.50	0.25	mg/L			06/21/17 16:24	2
Bromide	0.36	D	0.25	0.13	mg/L			06/21/17 16:24	2

Client: CH2M Hill Plateau Remediation Company  
Project/Site: F16-053

TestAmerica Job ID: 300-5687-1  
SDG: WC2126

**Method: 300.0 - Anions, Ion Chromatography**

Lab Sample ID: MB 300-8342/12  
Matrix: Water  
Analysis Batch: 8342

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			06/21/17 15:54	1
Nitrite as N	0.019	U	0.038	0.019	mg/L			06/21/17 15:54	1
Orthophosphate as P	0.041	U	0.082	0.041	mg/L			06/21/17 15:54	1

Lab Sample ID: LCS 300-8342/13  
Matrix: Water  
Analysis Batch: 8342

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	2.35		mg/L		104	80 - 120
Nitrite as N	3.04	3.25		mg/L		107	80 - 120
Orthophosphate as P	6.53	6.74		mg/L		103	80 - 120

Lab Sample ID: 300-5687-2 MS  
Matrix: Water  
Analysis Batch: 8342

Client Sample ID: B3BCN9  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	0.028	U D	0.452	0.417	D	mg/L		92	75 - 125
Nitrite as N	0.038	U D	0.609	0.563	D	mg/L		92	75 - 125
Orthophosphate as P	0.96	D	1.31	2.00	D	mg/L		80	75 - 125

Lab Sample ID: 300-5687-2 DU  
Matrix: Water  
Analysis Batch: 8342

Client Sample ID: B3BCN9  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrate as N	0.028	U D	0.028	U D	mg/L		NC	20
Nitrite as N	0.038	U D	0.038	U D	mg/L		NC	20
Orthophosphate as P	0.96	D	0.943	D	mg/L		2	20

Lab Sample ID: MB 300-8343/12  
Matrix: Water  
Analysis Batch: 8343

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			06/21/17 15:54	1
Fluoride	0.025	U	0.050	0.025	mg/L			06/21/17 15:54	1
Sulfate	0.13	U	0.25	0.13	mg/L			06/21/17 15:54	1
Bromide	0.063	U	0.13	0.063	mg/L			06/21/17 15:54	1

Lab Sample ID: LCS 300-8343/13  
Matrix: Water  
Analysis Batch: 8343

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		104	80 - 120
Fluoride	4.00	4.10		mg/L		102	80 - 120
Sulfate	20.0	21.4		mg/L		107	80 - 120

TestAmerica Richland

Client: CH2M Hill Plateau Remediation Company  
Project/Site: F16-053

TestAmerica Job ID: 300-5687-1  
SDG: WC2126

**Method: 300.0 - Anions, Ion Chromatography (Continued)**

Lab Sample ID: LCS 300-8343/13  
Matrix: Water  
Analysis Batch: 8343

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromide	10.0	10.5		mg/L		105	80 - 120

Lab Sample ID: 300-5687-2 MS  
Matrix: Water  
Analysis Batch: 8343

Client Sample ID: B3BCN9  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	9.2	D	3.20	12.5	D	mg/L		102	75 - 125
Fluoride	0.14	D	0.800	0.869	D	mg/L		91	75 - 125
Sulfate	55	D	4.00	58.5	D	mg/L		84	75 - 125
Bromide	0.36	D	2.00	2.13	D	mg/L		89	75 - 125

Lab Sample ID: 300-5687-2 DU  
Matrix: Water  
Analysis Batch: 8343

Client Sample ID: B3BCN9  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Chloride	9.2	D	9.10	D	mg/L		1	20
Fluoride	0.14	D	0.145	D	mg/L		1	20
Sulfate	55	D	54.5	D	mg/L		1	20
Bromide	0.36	D	0.353	D	mg/L		0.8	20

Client: CH2M Hill Plateau Remediation Company  
Project/Site: F16-053

TestAmerica Job ID: 300-5687-1  
SDG: WC2126

**HPLC/IC**

**Analysis Batch: 8342**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-5687-1	B3BCN6	Total/NA	Water	300.0	
300-5687-2	B3BCN9	Total/NA	Water	300.0	
MB 300-8342/12	Method Blank	Total/NA	Water	300.0	
LCS 300-8342/13	Lab Control Sample	Total/NA	Water	300.0	
300-5687-2 MS	B3BCN9	Total/NA	Water	300.0	
300-5687-2 DU	B3BCN9	Total/NA	Water	300.0	

**Analysis Batch: 8343**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-5687-1	B3BCN6	Total/NA	Water	300.0	
300-5687-2	B3BCN9	Total/NA	Water	300.0	
MB 300-8343/12	Method Blank	Total/NA	Water	300.0	
LCS 300-8343/13	Lab Control Sample	Total/NA	Water	300.0	
300-5687-2 MS	B3BCN9	Total/NA	Water	300.0	
300-5687-2 DU	B3BCN9	Total/NA	Water	300.0	

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Client: CH2M Hill Plateau Remediation Company  
Project/Site: F16-053

TestAmerica Job ID: 300-5687-1  
SDG: WC2126

**Client Sample ID: B3BCN6**  
Date Collected: 06/21/17 09:42  
Date Received: 06/21/17 12:25

**Lab Sample ID: 300-5687-1**  
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			8342	06/21/17 17:09	ALR	TAL RCH
Total/NA	Analysis	300.0		2			8343	06/21/17 17:09	ALR	TAL RCH

**Client Sample ID: B3BCN9**  
Date Collected: 06/21/17 10:02  
Date Received: 06/21/17 12:25

**Lab Sample ID: 300-5687-2**  
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			8342	06/21/17 16:24	ALR	TAL RCH
Total/NA	Analysis	300.0		2			8343	06/21/17 16:24	ALR	TAL RCH

**Client Sample ID: Method Blank**  
Date Collected: N/A  
Date Received: N/A

**Lab Sample ID: MB 300-8342/12**  
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			8342	06/21/17 15:54	ALR	TAL RCH

**Client Sample ID: Method Blank**  
Date Collected: N/A  
Date Received: N/A

**Lab Sample ID: MB 300-8343/12**  
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			8343	06/21/17 15:54	ALR	TAL RCH

**Client Sample ID: Lab Control Sample**  
Date Collected: N/A  
Date Received: N/A

**Lab Sample ID: LCS 300-8342/13**  
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			8342	06/21/17 16:09	ALR	TAL RCH

**Client Sample ID: Lab Control Sample**  
Date Collected: N/A  
Date Received: N/A

**Lab Sample ID: LCS 300-8343/13**  
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			8343	06/21/17 16:09	ALR	TAL RCH

Client: CH2M Hill Plateau Remediation Company  
Project/Site: F16-053

TestAmerica Job ID: 300-5687-1  
SDG: WC2126

**Client Sample ID: B3BCN9**

**Lab Sample ID: 300-5687-2 MS**

**Date Collected: 06/21/17 10:02**

**Matrix: Water**

**Date Received: 06/21/17 12:25**

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			8342	06/21/17 16:39	ALR	TAL RCH
Total/NA	Analysis	300.0		2			8343	06/21/17 16:39	ALR	TAL RCH

**Laboratory References:**

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

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Client: CH2M Hill Plateau Remediation Company  
Project/Site: F16-053

TestAmerica Job ID: 300-5687-1  
SDG: WC2126

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Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	TAL RCH

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**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



# June 30, 2017 Sample Summary

Client: CH2M Hill Plateau Remediation Company  
Project/Site: F16-053

TestAmerica Job ID: 300-5687-1  
SDG: WC2126

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
300-5687-1	B3BCN6	Water	06/21/17 09:42	06/21/17 12:25
300-5687-2	B3BCN9	Water	06/21/17 10:02	06/21/17 12:25

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June 30, 2017

Login Sample Receipt Checklist

Client: CH2M Hill Plateau Remediation Company

Job Number: 300-5687-1

SDG Number: WC2126

Login Number: 5687

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	

