

# 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: 300-1517-1  
TestAmerica Sample Delivery Group: WC0604  
Client Project/Site: CHPRC Chemical Hanford

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 2:38:26 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 elss 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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December 07, 2015

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

TestAmerica Job ID: 300-1517-1  
SDG: WC0604



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**Qualifiers****HPLC/IC**

Qualifier	Qualifier Description
N	MS, MSD: Spike recovery is outside acceptance limits.
U	Analyzed for but not detected.
D	The reported value is from a dilution.

**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)

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**Job ID: 300-1517-1**

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**Laboratory: TestAmerica Richland**

**Narrative**

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**Job Narrative  
300-1517-1**

**Comments**

No additional comments.

**Receipt**

The samples were received on 11/15/2015 12:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 12.1° C.

**HPLC/IC**

Method 300.0: Manual integration was performed on the following sample for Orthophosphate as P: B33KY7 (300-1517-1). The matrix spike (MS) recoveries for analytical batch 300-1993 were outside control limits for Orthophosphate as P. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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



<b>COLLECTOR</b> K.C. Patterson/CHPRC	<b>COMPANY CONTACT</b> WHITLEY, KM	<b>TELEPHONE NO.</b> 373-4929	<b>PROJECT COORDINATOR</b> WHITLEY, KM	<b>PRICE CODE</b> 9H	<b>DATA TURNOURND</b> 30 Days / 30 Days
<b>SAMPLING LOCATION</b> SKID 2 INFILTRATION DAY 2 (FB) 33 #13/15	<b>PROJECT DESIGNATION</b> 300-FF-5 Enhanced Attenuation - Stage A Phosphate Solution Injection - ot	<b>FIELD LOGBOOK NO.</b> HUF-A-506-81/34	<b>ACTUAL SAMPLE DEPTH</b> (N/A)	<b>SAF NO.</b> F15-055	<b>AIR QUALITY</b> <input type="checkbox"/>
<b>ICE CHEST NO.</b>	<b>OFFSITE PROPERTY NO.</b>	<b>COA</b> 300205	<b>METHOD OF SHIPMENT</b> GOVERNMENT VEHICLE	<b>ORIGINAL</b>	

**SHIPPED TO** TestAmerica Incorporated, Richland

MATRIX*	PRESERVATION	HOLDING TIME	TYPE OF CONTAINER	NO. OF CONTAINER(S)	VOLUME	SPECIAL HANDLING AND/OR STORAGE	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

<b>MATRIX*</b> A=Air DI=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Sail SF=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/JATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1. N/A				
<b>SAMPLE NO.</b> B33KY7	<b>MATRIX*</b> OTHER LIQUID	<b>SAMPLE DATE</b> NOV 15 2015	<b>SAMPLE TIME</b> 0700	<b>DATE/TIME</b> NOV 15 2015	<b>DATE/TIME</b> 1215

300-1517 COC



#1517 used only

**CHAIN OF POSSESSION**      **SIGN/ PRINT NAMES**      **SPECIAL INSTRUCTIONS**

<b>RELINQUISHED BY/REMOVED FROM</b> K.C. Patterson	<b>DATE/TIME</b> NOV 15 2015 1215	<b>RECEIVED BY/STORED IN</b> J. BOCK, TARKOV	<b>DATE/TIME</b> NOV 15 2015 1215
<b>RELINQUISHED BY/REMOVED FROM</b>	<b>DATE/TIME</b>	<b>RECEIVED BY/STORED IN</b>	<b>DATE/TIME</b>
<b>RELINQUISHED BY/REMOVED FROM</b>	<b>DATE/TIME</b>	<b>RECEIVED BY/STORED IN</b>	<b>DATE/TIME</b>
<b>RELINQUISHED BY/REMOVED FROM</b>	<b>DATE/TIME</b>	<b>RECEIVED BY/STORED IN</b>	<b>DATE/TIME</b>
<b>RELINQUISHED BY/REMOVED FROM</b>	<b>DATE/TIME</b>	<b>RECEIVED BY/STORED IN</b>	<b>DATE/TIME</b>
<b>RELINQUISHED BY/REMOVED FROM</b>	<b>DATE/TIME</b>	<b>RECEIVED BY/STORED IN</b>	<b>DATE/TIME</b>

\*\* Offsite lab analyses will be a blend of river water and phosphate injection solution. TRVL-15-155 (1) 300.0\_ANIONS\_IC: COMMON {Chloride, Sulfate}; 300.0\_ANIONS\_IC: COMMON (Add-on) {Phosphorus in phosphate};

<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		F15-055-043	PAGE 1 OF 1
COLLECTOR K.C. Patterson/CHPR	COMPANY CONTACT WHITLEY, KM	TELEPHONE NO. 373-4929	PROJECT COORDINATOR WHITLEY, KM	PRICE CODE 9H	DATA TURNAROUND 30 Days / 30 Days
SAMPLING LOCATION SKID 2 INFILTRATION DAY 9	PROJECT DESIGNATION 300-FE-5 Enhanced Attenuation - Stage A Phosphate Solution Injection - ot	FIELD LOGBOOK NO. HMF-A500-81/36	ACTUAL SAMPLE DEPTH (N/A)	SAF NO. F15-055	AIR QUALITY <input type="checkbox"/>
ICE CHEST NO.	OFFSITE PROPERTY NO.	COA 300205	METHOD OF SHIPMENT GOVERNMENT VEHICLE	<b>ORIGINAL</b>	
SHIPPED TO TestAmerica Incorporated, Richland		BILL OF LADING/AIR BILL NO.			

MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Issue V=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS *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	PRESERVATION	Cool <=6C
		HOLDING TIME	28 Days/48 Hours
SPECIAL HANDLING AND/OR STORAGE		TYPE OF CONTAINER	G/P
		NO. OF CONTAINER(S)	1
SAMPLE NO.	MATRIX*	VOLUME	500ml
		SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS
B33KY1	OTHER LIQUID	SAMPLE DATE	NOV 15 2015 0807
		SAMPLE TIME	✓

#1519  
W20604

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM K.C. Patterson	DATE/TIME NOV 15 2015 12:15	RECEIVED BY/STORED IN J. Bock, TARL	DATE/TIME NOV 15 2015 12:15	** Offsite lab analyses will be a blend of river water and phosphate injection solution. TRVL-15-155 (1) 300.0_ANIONS_IC: COMMON {Chloride, Sulfate}; 300.0_ANIONS_IC: COMMON (Add-on) {Phosphorus in phosphate};	
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		
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		

December 07 2015

December 07, 2015

### Detection Summary

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

TestAmerica Job ID: 300-1517-1  
SDG: WC0604

**Client Sample ID: B33KY7**

**Lab Sample ID: 300-1517-1**

No Detections.

**Client Sample ID: B33KY1**

**Lab Sample ID: 300-1517-2**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Orthophosphate as P	1700	D	41	21	mg/L	500		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Richland

### Client Sample Results

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

TestAmerica Job ID: 300-1517-1  
 SDG: WC0604

**Client Sample ID: B33KY7**

**Date Collected: 11/15/15 07:00**

**Date Received: 11/15/15 12:15**

**Lab Sample ID: 300-1517-1**

**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.40	0.20	mg/L			11/16/15 15:31	2
Orthophosphate as P	0.082	U N	0.16	0.082	mg/L			11/16/15 15:31	2
Sulfate	0.25	U	0.50	0.25	mg/L			11/16/15 15:31	2

**Client Sample ID: B33KY1**

**Date Collected: 11/15/15 08:07**

**Date Received: 11/15/15 12:15**

**Lab Sample ID: 300-1517-2**

**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50	U	100	50	mg/L			11/15/15 23:49	500
<b>Orthophosphate as P</b>	<b>1700</b>	<b>D</b>	41	21	mg/L			11/15/15 23:49	500
Sulfate	63	U	130	63	mg/L			11/15/15 23:49	500

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 300-1993/7  
 Matrix: Water  
 Analysis Batch: 1993

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Orthophosphate as P	0.041	U	0.082	0.041	mg/L			11/15/15 16:04	1

Lab Sample ID: LCS 300-1993/6  
 Matrix: Water  
 Analysis Batch: 1993

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Orthophosphate as P	6.53	6.67		mg/L		102	80 - 120

Lab Sample ID: 300-1518-A-1 MS  
 Matrix: Water  
 Analysis Batch: 1993

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
Orthophosphate as P	0.48	D N	1.31	0.672	D N	mg/L		15	75 - 125

Lab Sample ID: 300-1518-A-1 DU  
 Matrix: Water  
 Analysis Batch: 1993

Client Sample ID: Duplicate  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Orthophosphate as P	0.48	D N	0.469	D	mg/L		2	20

Lab Sample ID: MB 300-1994/7  
 Matrix: Water  
 Analysis Batch: 1994

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			11/15/15 16:04	1
Sulfate	0.13	U	0.25	0.13	mg/L			11/15/15 16:04	1

Lab Sample ID: LCS 300-1994/6  
 Matrix: Water  
 Analysis Batch: 1994

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	16.0	16.6		mg/L		104	80 - 120
Sulfate	20.0	20.9		mg/L		105	80 - 120

Lab Sample ID: 300-1518-A-1 MS  
 Matrix: Water  
 Analysis Batch: 1994

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
Sulfate	69	D	4.00	72.4	D	mg/L		86	75 - 125

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 300-1518-A-1 MS  
 Matrix: Water  
 Analysis Batch: 1994

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
Chloride	89	D	8.00	96.5	D	mg/L		98	75 - 125

Lab Sample ID: 300-1518-A-1 DU  
 Matrix: Water  
 Analysis Batch: 1994

Client Sample ID: Duplicate  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfate	69	D	68.5	D	mg/L		0.6	20

Lab Sample ID: 300-1518-A-1 DU  
 Matrix: Water  
 Analysis Batch: 1994

Client Sample ID: Duplicate  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chloride	89	D	89.0	D	mg/L		0.3	20

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

TestAmerica Job ID: 300-1517-1  
 SDG: WC0604

## HPLC/IC

### Analysis Batch: 1993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-1517-2	B33KY1	Total/NA	Water	300.0	
300-1518-A-1 DU	Duplicate	Total/NA	Water	300.0	
300-1518-A-1 MS	Matrix Spike	Total/NA	Water	300.0	
LCS 300-1993/6	Lab Control Sample	Total/NA	Water	300.0	
MB 300-1993/7	Method Blank	Total/NA	Water	300.0	

### Analysis Batch: 1994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-1517-2	B33KY1	Total/NA	Water	300.0	
300-1518-A-1 DU	Duplicate	Total/NA	Water	300.0	
300-1518-A-1 DU	Duplicate	Total/NA	Water	300.0	
300-1518-A-1 MS	Matrix Spike	Total/NA	Water	300.0	
300-1518-A-1 MS	Matrix Spike	Total/NA	Water	300.0	
LCS 300-1994/6	Lab Control Sample	Total/NA	Water	300.0	
MB 300-1994/7	Method Blank	Total/NA	Water	300.0	

### Analysis Batch: 1999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-1517-1	B33KY7	Total/NA	Water	300.0	

### Analysis Batch: 2000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-1517-1	B33KY7	Total/NA	Water	300.0	

**Client Sample ID: B33KY7**

Date Collected: 11/15/15 07:00

Date Received: 11/15/15 12:15

**Lab Sample ID: 300-1517-1**

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2	10 mL		1999	11/16/15 15:31	RLC	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		2000	11/16/15 15:31	RLC	TAL RCH

**Client Sample ID: B33KY1**

Date Collected: 11/15/15 08:07

Date Received: 11/15/15 12:15

**Lab Sample ID: 300-1517-2**

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		500	10 mL		1993	11/15/15 23:49	RLC	TAL RCH
Total/NA	Analysis	300.0		500	10 mL		1994	11/15/15 23:49	RLC	TAL RCH

**Client Sample ID: Duplicate**

Date Collected: 11/15/15 10:18

Date Received: 11/15/15 12:15

**Lab Sample ID: 300-1518-A-1 DU**

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2	10 mL		1993	11/15/15 18:32	RLC	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		1994	11/15/15 18:32	RLC	TAL RCH
Total/NA	Analysis	300.0		5	10 mL		1994	11/15/15 21:18	RLC	TAL RCH

**Client Sample ID: Lab Control Sample**

Date Collected: N/A

Date Received: N/A

**Lab Sample ID: LCS 300-1993/6**

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		1	10 mL		1993	11/15/15 16:21	RLC	TAL RCH

**Client Sample ID: Lab Control Sample**

Date Collected: N/A

Date Received: N/A

**Lab Sample ID: LCS 300-1994/6**

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		1	10 mL		1994	11/15/15 16:21	RLC	TAL RCH

**Client Sample ID: Method Blank**

Date Collected: N/A

Date Received: N/A

**Lab Sample ID: MB 300-1993/7**

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	300.0		1	10 mL		1993	11/15/15 16:04	RLC	TAL RCH

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

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**Client Sample ID: Method Blank**

**Lab Sample ID: MB 300-1994/7**

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		1994	11/15/15 16:04	RLC	TAL RCH

**Client Sample ID: Matrix Spike**

**Lab Sample ID: 300-1518-A-1 MS**

Date Collected: 11/15/15 10:18

Matrix: Water

Date Received: 11/15/15 12:15

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		1993	11/15/15 18:17	RLC	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		1994	11/15/15 18:17	RLC	TAL RCH
Total/NA	Analysis	300.0		5	10 mL		1994	11/15/15 21:03	RLC	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: CHPRC Chemical Hanford

TestAmerica Job ID: 300-1517-1  
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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



# Sample Summary

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

TestAmerica Job ID: 300-1517-1  
SDG: WC0604

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
300-1517-1	B33KY7	Water	11/15/15 07:00	11/15/15 12:15
300-1517-2	B33KY1	Water	11/15/15 08:07	11/15/15 12:15

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### Login Sample Receipt Checklist

Client: CH2M Hill Plateau Remediation Company

Job Number: 300-1517-1

SDG Number: WC0604

**Login Number: 1517**

**List Number: 1**

**Creator: Bock, Julie A**

**List Source: TestAmerica Richland**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

