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: 300-1563-1
TestAmerica Sample Delivery Group: WC0611
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 3:47:30 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 desingee 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.

Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 300-1563-1
SDG: WC0611

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
D	The reported value is from a dilution.
N	MS, MSD: Spike recovery is outside acceptance limits.
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, 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: CHPRC Chemical Hanford

TestAmerica Job ID: 300-1563-1
SDG: WC0611

Job ID: 300-1563-1

Laboratory: TestAmerica Richland

Narrative

Job Narrative
300-1563-1

Comments
No additional comments.

Receipt
The samples were received on 11/16/2015 3:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 8.5º C.

HPLC/IC
Method 300.0: The matrix spike (MS) recoveries for analytical batch 300-2027 were outside control limits for Chloride. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. The matrix spike (MS) recoveries for analytical batch 300-2026 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.

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F15-055-035	PAGE 1 OF 1
COLLECTOR S.W. King/CHPRC	**COMPANY CONTACT** WHITLEY, KM	**TELEPHONE NO.** 373-4929	**PROJECT COORDINATOR** WHITLEY, KM	**PRICE CODE** 9H	**DATA TURNAROUND**
SAMPLING LOCATION SKID 1 INJECTION DAY 8 (FTB) 10 11/16/15	**PROJECT DESIGNATION** 300-FF-5 Enhanced Attenuation - Stage A Phosphate Solution Injection - ot		**SAF NO.** F15-055	**AIR QUALITY** ☐	**30 Days / 30 Days**
ICE CHEST NO. N/A	**FIELD LOGBOOK NO.** HNF-N-506-81 / 38	**ACTUAL SAMPLE DEPTH** (N/A)	**COA** 300205	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	**ORIGINAL**
SHIPPED TO TestAmerica Incorporated, Richland	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*	POSSIBLE SAMPLE HAZARDS/ REMARKS		
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/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1. N/A	**PRESERVATION**	Cool <=6C
		HOLDING TIME	28 Days/48 Hours
		TYPE OF CONTAINER	G/P
		NO. OF CONTAINER(S)	1
		VOLUME	500mL
	SPECIAL HANDLING AND/OR STORAGE	**SAMPLE ANALYSIS**	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B32L53	OTHER LIQUID	NOV 16 2015	0745	✓

#1563
WC0611

300-1563 COC

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM S.W. King/CHPRC	DATE/TIME NOV 16 2015 1210	RECEIVED BY/STORED IN B.E. Briggs CHPRC	DATE/TIME NOV 16 2015 1210	** 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 B.E. Briggs CHPRC	DATE/TIME NOV 16 2015 1500	RECEIVED BY/STORED IN J. Friesz, TARL	DATE/TIME NOV 16 2015 1500	
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**

PRINTED ON 9/2/2015 **FSR ID = FSR4949** **TRVL NUM = TRVL-15-155** A-6003-618 (REV 2)

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F15-055-017	PAGE 1 OF 1
COLLECTOR S.W. King/CHPRC	**COMPANY CONTACT** WHITLEY, KM	**TELEPHONE NO.** 373-4929	**PROJECT COORDINATOR** WHITLEY, KM	**PRICE CODE** 9H	**DATA TURNAROUND**
SAMPLING LOCATION SKID 1 INJECTION DAY 10	**PROJECT DESIGNATION** 300-FF-5 Enhanced Attenuation - Stage A Phosphate Solution Injection - ot		**SAF NO.** F15-055	**AIR QUALITY** ☐	**30 Days / 30 Days**
ICE CHEST NO. N/A	**FIELD LOGBOOK NO.** HNF-N-506-81/39	**ACTUAL SAMPLE DEPTH** (N/A)	**COA** 300205	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	**ORIGINAL**
SHIPPED TO TestAmerica Incorporated, Richland	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
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

POSSIBLE SAMPLE HAZARDS/ REMARKS
*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1. N/A

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	Cool <=6C
HOLDING TIME	28 Days/48 Hours
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	500mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

#1563
W20611

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B32L02	OTHER LIQUID	NOV 16 2015	1120	✓

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	** 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};
S.W. King/CHPRC	NOV 16 2015 1120	B.E. Briggs CHPRC	NOV 16 2015 1120	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
B.E. Briggs CHPRC	NOV 16 2015 1500	J. Friesz, TARL	NOV 16 2015 1500	
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**

PRINTED ON 9/2/2015 **FSR ID = FSR4942** **TRVL NUM = TRVL-15-155** A-6003-618 (REV 2)

Detection Summary

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

TestAmerica Job ID: 300-1563-1
SDG: WC0611

Client Sample ID: B32L53 — Lab Sample ID: 300-1563-1

No Detections.

Client Sample ID: B32L02 — Lab Sample ID: 300-1563-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Orthophosphate as P	2900	D N	41	21	mg/L	500		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

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

TestAmerica Job ID: 300-1563-1
SDG: WC0611

Client Sample ID: B32L53

Date Collected: 11/16/15 07:45
Date Received: 11/16/15 15:00

Lab Sample ID: 300-1563-1

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			11/17/15 16:26	2
Orthophosphate as P	0.082	U N	0.16	0.082	mg/L			11/17/15 16:26	2
Sulfate	0.25	U	0.50	0.25	mg/L			11/17/15 16:26	2

Client Sample ID: B32L02

Date Collected: 11/16/15 11:20
Date Received: 11/16/15 15:00

Lab Sample ID: 300-1563-2

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			11/17/15 16:41	500
Orthophosphate as P	**2900**	**D N**	41	21	mg/L			11/17/15 16:41	500
Sulfate	63	U	130	63	mg/L			11/17/15 16:41	500

QC Sample Results

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

TestAmerica Job ID: 300-1563-1
SDG: WC0611

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 300-2026/5
Matrix: Water
Analysis Batch: 2026

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			11/17/15 12:20	1

Lab Sample ID: LCS 300-2026/6
Matrix: Water
Analysis Batch: 2026

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	6.87		mg/L		105	80 - 120

Lab Sample ID: 300-1529-A-1 MS
Matrix: Water
Analysis Batch: 2026

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	0.88	D N	1.31	1.07	D N	mg/L		15	75 - 125

Lab Sample ID: 300-1529-A-1 DU
Matrix: Water
Analysis Batch: 2026

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	0.88	D N	0.889	D	mg/L		1	20

Lab Sample ID: MB 300-2027/5
Matrix: Water
Analysis Batch: 2027

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			11/17/15 12:20	1
Sulfate	0.13	U	0.25	0.13	mg/L			11/17/15 12:20	1

Lab Sample ID: LCS 300-2027/6
Matrix: Water
Analysis Batch: 2027

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
Sulfate	20.0	21.1		mg/L		106	80 - 120

Lab Sample ID: 300-1529-A-1 MS
Matrix: Water
Analysis Batch: 2027

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	50	D	3.20	51.9	D	mg/L		71	75 - 125
Sulfate	65	D	4.00	68.5	D	mg/L		78	75 - 125

QC Sample Results

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

TestAmerica Job ID: 300-1563-1
SDG: WC0611

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 300-1529-A-1 DU
Matrix: Water
Analysis Batch: 2027

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Chloride	50	D		49.7	D	mg/L				0	20
Sulfate	65	D		65.4	D	mg/L				0	20

QC Association Summary

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

TestAmerica Job ID: 300-1563-1
SDG: WC0611

HPLC/IC

Analysis Batch: 2026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-1529-A-1 DU	Duplicate	Total/NA	Water	300.0	
300-1529-A-1 MS	Matrix Spike	Total/NA	Water	300.0	
300-1563-1	B32L53	Total/NA	Water	300.0	
300-1563-2	B32L02	Total/NA	Water	300.0	
LCS 300-2026/6	Lab Control Sample	Total/NA	Water	300.0	
MB 300-2026/5	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 2027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-1529-A-1 DU	Duplicate	Total/NA	Water	300.0	
300-1529-A-1 MS	Matrix Spike	Total/NA	Water	300.0	
300-1563-1	B32L53	Total/NA	Water	300.0	
300-1563-2	B32L02	Total/NA	Water	300.0	
LCS 300-2027/6	Lab Control Sample	Total/NA	Water	300.0	
MB 300-2027/5	Method Blank	Total/NA	Water	300.0	

Lab Chronicle

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

TestAmerica Job ID: 300-1563-1
SDG: WC0611

Client Sample ID: B32L53
Date Collected: 11/16/15 07:45
Date Received: 11/16/15 15:00

Lab Sample ID: 300-1563-1
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		2026	11/17/15 16:26	CPM	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		2027	11/17/15 16:26	CPM	TAL RCH

Client Sample ID: B32L02
Date Collected: 11/16/15 11:20
Date Received: 11/16/15 15:00

Lab Sample ID: 300-1563-2
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		2026	11/17/15 16:41	CPM	TAL RCH
Total/NA	Analysis	300.0		500	10 mL		2027	11/17/15 16:41	CPM	TAL RCH

Client Sample ID: Duplicate
Date Collected: 11/16/15 10:18
Date Received: 11/16/15 11:10

Lab Sample ID: 300-1529-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		2026	11/17/15 13:20	CPM	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		2027	11/17/15 13:20	CPM	TAL RCH

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

Lab Sample ID: LCS 300-2026/6
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		2026	11/17/15 12:35	CPM	TAL RCH

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

Lab Sample ID: LCS 300-2027/6
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		2027	11/17/15 12:35	CPM	TAL RCH

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

Lab Sample ID: MB 300-2026/5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	10 mL		2026	11/17/15 12:20	CPM	TAL RCH

Lab Chronicle

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

TestAmerica Job ID: 300-1563-1
SDG: WC0611

Client Sample ID: Method Blank

Lab Sample ID: MB 300-2027/5

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		2027	11/17/15 12:20	CPM	TAL RCH

Client Sample ID: Matrix Spike

Lab Sample ID: 300-1529-A-1 MS

Date Collected: 11/16/15 10:18
Matrix: Water
Date Received: 11/16/15 11:10

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		2026	11/17/15 13:05	CPM	TAL RCH
Total/NA	Analysis	300.0		2	10 mL		2027	11/17/15 13:05	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: CHPRC Chemical Hanford

TestAmerica Job ID: 300-1563-1
SDG: WC0611

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

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

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

Sample Summary

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

TestAmerica Job ID: 300-1563-1
SDG: WC0611

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
300-1563-1	B32L53	Water	11/16/15 07:45	11/16/15 15:00
300-1563-2	B32L02	Water	11/16/15 11:20	11/16/15 15:00

Login Sample Receipt Checklist

Client: CH2M Hill Plateau Remediation Company

Job Number: 300-1563-1
SDG Number: WC0611

Login Number: 1563
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	