

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: 300-6378-1
TestAmerica Sample Delivery Group: WC2513
Client Project/Site: S18-011

For:
CH2M Hill Plateau Remediation Company
825 Jadwin Avenue
Richland, Washington 99352

Attn: CPP Sample Management

Kristine D. Allen

Authorized for release by:
11/29/2017 4:50:03 PM
Kristine Allen, Manager of Project Management
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Designee for
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(509)375-3131
ashley.worthy@testamericainc.com



LINKS

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TotalAccess

Have a Question?



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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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Definitions/Glossary

Client: CH2M Hill Plateau Remediation Company
Project/Site: S18-011

TestAmerica Job ID: 300-6378-1
SDG: WC2513

Qualifiers

General Chemistry

Qualifier	Qualifier Description
B	Estimated result. Result is less than the RL, but greater than MDL
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)

Case Narrative

Client: CH2M Hill Plateau Remediation Company
Project/Site: S18-011

TestAmerica Job ID: 300-6378-1
SDG: WC2513

Job ID: 300-6378-1

Laboratory: TestAmerica Richland

Narrative

**Job Narrative
300-6378-1**

Comments

No additional comments.

Receipt

The samples were received on 11/13/2017 2:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 6.8° C.

General Chemistry

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

C.O.C.#
S18-011-436
Page 1 of 1

Collector: Roger Friesz Jr. / CHPRC
 SAF No.: S18-011
 Project Title: SURV, NOVEMBER 2017
 Shipped To (Lab): TestAmerica Incorporated, Rich
 Protocol: SURV
 Contact/Requester: Karen Waters-Husted
 Sampling Origin: Hanford site
 Logbook No.: HNF-N-506 97/25
 Method of Shipment: GOVERNMENT VEHICLE
 Priority: 30 Days
 Telephone No.: 509-376-4650
 Purchase Order/Charge Code: 300071
 Ice Chest No.: N/A
 Bill of Lading/Air Bill No.: N/A
 Offsite Property No.: N/A

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

SPECIAL INSTRUCTIONS
 N/A

Sample No.	Filter	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B3F724	N	NOV 13 2017	1035	1x60-ml aG	7196_CR6: COMMON	24 HOURS	COOL <=6C
B3F726	Y	NOV 13 2017	1035	1x60-ml aG	7196_CR6: COMMON	24 HOURS	COOL <=6C

#6378
 WTC2513



300-6378 COI

Relinquished By: [Signature] NOV 13 2017 1340
 Received By: [Signature] NOV 13 2017 1340
 Relinquished By: [Signature] NOV 13 2017 1450
 Received By: [Signature] NOV 13 2017 1450
 Relinquished By: [Signature]
 Received By: [Signature]
 Relinquished By: [Signature]
 Received By: [Signature]

Matrix *
 S = Soil DS = Drum Solids
 SE = Sediment DL = Drum Liquid
 SO = Solid T = Tissue
 SL = Sludge WI = Wipe
 W = Water L = Liquid
 O = Oil V = Vegetation
 A = Air X = Other

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

CH2MHill Plateau
Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C.#
S18-011-437

Page 1 of 1

Roger Friesz Jr.
IC/HRIC

Contact/Requester: Karen Waters-Husted

Telephone No.: 509-376-4650

SAF No.: S18-011

Sampling Origin: Hanford Site

Purchase Order/Charge Code: 300071

Project Title: SURV, NOVEMBER 2017

Logbook No.: HNF-N-506

97/25

Ice Chest No.: N/A

Shipped To (Lab): TestAmerica Incorporated, Rich

Method of Shipment: GOVERNMENT VEHICLE

Bill of Lading/Air Bill No.: N/A

Protocol: SURV

Priority: 30 Days

Offsite Property No.: N/A

POSSIBLE SAMPLE HAZARDS/REMARK

** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1

SPECIAL INSTRUCTIONS

N/A

Sample No.	Filter	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B3F731	Y	NOV 13 2017	1050	1x60-mL aG	7196_CRE: COMMON	24 Hours	COOL <=6C
B3F729	N	NOV 13 2017	150	1x60-mL aG	7196_CRE: COMMON	24 Hours	COOL <=6C

6378
WTC2513

Relinquished By: Roger Friesz Jr. IC/HRIC	Signature	NOV 13 2017	1340	Received By: Jeff Lucas IC/HRIC	Signature	NOV 13 2017	1340	Matrix * S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air DS = Drum Solids DL = Drum Liquid T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other
Relinquished By: Jeff Lucas IC/HRIC	Signature	NOV 13 2017	1450	Received By: J. Bock, TARL	Signature	11-13-17	1450	
Relinquished By:	Signature	Date/Time		Received By:	Signature	Date/Time		
Relinquished By:	Signature	Date/Time		Received By:	Signature	Date/Time		

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process):

Disposed By: _____ Date/Time: _____

CH2M Hill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C.#
S18-011-449
Page 1 of 1

Collector:	Bob Miller Roger Friesz Jr. IC/HRG	Contact/Requester:	Karen Waters-Husted	Telephone No.:	509-376-4650
SAF No.:	S18-011	Sampling Origin:	Hanford Site	Purchase Order/Charge Code:	300071
Project Title:	SURV, NOVEMBER 2017	Logbook No.:	HNF-N-506 97/25	Ice Chest No.:	N/A
Shipped To (Lab):	TestAmerica Incorporated, Rich	Method of Shipment:	GOVERNMENT VEHICLE	Bill of Lading/Air Bill No.:	N/A
Protocol:	SURV	Priority:	30 Days	Offsite Property No.:	N/A

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

SPECIAL INSTRUCTIONS
 N/A

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B3F5D6	N		NOV 13 2017	1009	1x60-mL aG	7196_CR6: COMMON	24 Hours	COOL <=6C
B3F5D8	Y		NOV 13 2017	1069	1x60-mL aG	7196_CR6: COMMON	24 Hours	COOL <=6C

6378
 WTC 2513

Relinquished By:		NOV 13 2017	340	Received By:	Jeff Lucas IC/HRG		NOV 13 2017	340	Matrix * S = Soil DS = Drum Solids SE = Sediment DL = Drum Liquid SO = Solid T = Tissue SL = Sludge WI = Wipe W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other
Relinquished By:	Print First and Last Name	Signature	Date/Time	Received By:	Print First and Last Name	Signature	Date/Time		
Relinquished By:	Jeff Lucas IC/HRG		NOV 13 2017	1450	J. Bock, TARI		11-3-17	1450	
Relinquished By:	Print First and Last Name	Signature	Date/Time	Received By:	Print First and Last Name	Signature	Date/Time		
Relinquished By:	Print First and Last Name	Signature	Date/Time	Received By:	Print First and Last Name	Signature	Date/Time		

FINAL SAMPLE DISPOSITION

Disposal Method (e.g., Return to customer, per lab procedure, used in process):

Disposed By: _____ Date/Time: _____

**CH2M Hill Plateau
Remediation Company**

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C.#
S18-011-451
Page 1 of 1

Collector: Roger Friesz Jr. /CHPRC
SAF No.: S18-011
Project Title: SURV, NOVEMBER 2017
Shipped To (Lab): TestAmerica Incorporated, Rich
Protocol: SURV
Contact/Requester: Karen Waters-Husted
Sampling Origin: Hanford Site
Logbook No.: HNF-N-506 97/25
Method of Shipment: GOVERNMENT VEHICLE
Priority: 30 Days
Telephone No.: 509-376-4650
Purchase Order/Charge Code: 300071
Ice Chest No.: N/A
Bill of Lading/Air Bill No.: N/A
Offsite Property No.: N/A

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

SPECIAL INSTRUCTIONS
 N/A

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B3F5L3	Y		NOV 13 2017	1306	1x60-mL aG	7196_CR6: COMMON	24 Hours	COOL <=6C
B3F5K8	N		NOV 13 2017	1306	1x60-mL aG	7196_CR6: COMMON	24 Hours	COOL <=6C

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Relinquished By: Jeff Lucas /CHPRC
 Signature: [Signature] Date/Time: NOV 13 2017 1540
Received By: Jeff Lucas /CHPRC
 Signature: [Signature] Date/Time: NOV 13 2017 1340

Relinquished By: Jeff Lucas /CHPRC
 Signature: [Signature] Date/Time: NOV 13 2017 1450
Received By: J. Bock, TARL
 Signature: [Signature] Date/Time: 11-13-17 1450

Relinquished By: [Signature] Date/Time: [Date/Time]
Received By: [Signature] Date/Time: [Date/Time]

- Matrix ***
- S = Soil
 - SE = Sediment
 - SO = Solid
 - SL = Sludge
 - W = Water
 - O = Oil
 - A = Air
 - DS = Drum Solids
 - DL = Drum Liquid
 - T = Tissue
 - WI = Wipe
 - L = Liquid
 - V = Vegetation
 - X = Other

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

CH2MHill Plateau
Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

COC #
S18-011-459
Page 1 of 1

Collector: Roger Fiaz Jr. / CH2MHill
 SAF No.: S18-011
 Project Title: SURV, NOVEMBER 2017
 Shipped To (Lab): TestAmerica Incorporated, Rich
 Protocol: SURV
 Priority: 30 Days
 Contact/Requester: Karen Waters-Husted
 Sampling Origin: Hanford Site
 Logbook No.: HNF-N-506 97/25
 Method of Shipment: GOVERNMENT VEHICLE
 Ice Chest No.: N/A
 Bill of Lading/Air Bill No.: N/A
 Offsite Property No.: N/A
 Telephone No.: 509-376-4650
 Purchase Order/Charge Code: 300071

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

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B3F5N6	N	W	NOV 13 2017	1058	1x60-ml aG	7196_CR6: COMMON	24 Hours	Cool <=6C
B3F5N8	Y	W	NOV 13 2017	1058	1x60-ml aG	7196_CR6: COMMON	24 Hours	Cool <=6C

#6378
WFC2513

Relinquished By: *[Signature]* NOV 13 2017 1340
 Received By: *[Signature]* NOV 13 2017 1340
 Relinquished By: *[Signature]* NOV 13 2017 1450
 Received By: *[Signature]* J. Bock, TARI 11-13-17 1450
 Relinquished By: *[Signature]*
 Received By: *[Signature]*

Matrix *
 S = Soil DS = Drum Solids
 SE = Sediment DL = Drum Liquid
 SO = Solid T = Tissue
 SL = Sludge WI = Wipe
 W = Water L = Liquid
 O = Oil V = Vegetation
 A = Air X = Other

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

CH2MHill Plateau
Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C.#
S18-011-494
Page 1 of 1

Collector: Roger Ffieser Jr. ICHRRC	Contact/Requester: Karen Waters-Husted	Telephone No.: 509-376-4650
SAF No.: S18-011	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 300071
Project Title: SURV, NOVEMBER 2017	Logbook No.: HNF-N-506 97/25	Ice Chest No.: N/A
Shipped To (Lab): TestAmerica Incorporated, Rich	Method of Shipment: GOVERNMENT VEHICLE	Bill of Lading/Air Bill No.: N/A
Protocol: SURV	Priority: 30 Days	Offsite Property No.: N/A
POSSIBLE SAMPLE HAZARDS/REMARK ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1		SPECIAL INSTRUCTIONS N/A

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B3F546	N	W	NOV 13 2017	1028	1x60-mL AG	7196_CR6: COMMON	24 Hours	COOL <=6C
B3F7E6	Y	W	NOV 13 2017	1028	1x60-mL AG	7196_CR6: COMMON	24 Hours	COOL <=6C

#6378
WFC 2513

Relinquished By: Roger Ffieser Jr. ICHRRC	Signature	NOV 13 2017	1340	Received By: Jeff Lucas ICHRRC	Signature	NOV 13 2017	1340	Matrix * S = Soil DS = Drum Solids SE = Sediment DL = Drum Liquid SO = Solid T = Tissue SL = Sludge WI = Wipe W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other
Relinquished By: Jeff Lucas ICHRRC	Signature	NOV 13 2017	1450	Received By: J. Book, TARI WRN	Signature	MS		
Relinquished By:	Signature	Date/Time		Received By:	Signature	Date/Time		
Relinquished By:	Signature	Date/Time		Received By:	Signature	Date/Time		
Print First and Last Name		Signature	Date/Time	Print First and Last Name		Signature	Date/Time	

FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process):	Disposed By:	Date/Time:
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CH2MHill Plateau
Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C.#
S18-011-554
Page 1 of 1

Collector: Roger Friesz Jr. /CHPRC	Contact/Requester: Karen Waters-Husted	Telephone No.: 509-376-4650
SAF No.: S18-011	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 300071
Project Title: SURV, NOVEMBER 2017	Logbook No.: HNF-N-506 97/25	Ice Chest No.: N/A
Shipped To (Lab): TestAmerica Incorporated, Rich	Method of Shipment: GOVERNMENT VEHICLE	Bill of Lading/Air Bill No.: N/A
Protocol: SURV	Priority: 30 Days	Offsite Property No.: N/A
POSSIBLE SAMPLE HAZARDS/REMARK ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1		SPECIAL INSTRUCTIONS N/A

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B3F699	Y	W	NOV 13 2017	1340	1x60-mL aG	7196_CR6: COMMON	24 Hours	COOL <=6C
B3F695	N	W	NOV 13 2017	1455	1x60-mL aG	7196_CR6: COMMON	24 Hours	COOL <=6C

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Relinquished By: Roger Friesz Jr. /CHPRC	Signature	NOV 13 2017 1340	Received By: Jeff Lucas /CHPRC	Signature	NOV 13 2017 1340	Matrix * S = Soil DS = Drum Solids SE = Sediment DL = Drum Liquid SO = Solid T = Tissue SL = Sludge WI = Wipe W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other
Relinquished By: Jeff Lucas /CHPRC	Signature	NOV 13 2017 1450	Received By: Bob	Signature	1 Beck, TABL 11-13-0 1450	
Relinquished By:	Signature	Date/Time	Received By:	Signature	Date/Time	
Relinquished By:	Signature	Date/Time	Received By:	Signature	Date/Time	
Relinquished By:	Signature	Date/Time	Received By:	Signature	Date/Time	
Relinquished By:	Signature	Date/Time	Received By:	Signature	Date/Time	

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

Client: CH2M Hill Plateau Remediation Company
Project/Site: S18-011

TestAmerica Job ID: 300-6378-1
SDG: WC2513

Client Sample ID: B3F724

Lab Sample ID: 300-6378-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.014		0.0040	0.0015	mg/L	1		7196A	Total/NA

Client Sample ID: B3F726

Lab Sample ID: 300-6378-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.013		0.0040	0.0015	mg/L	1		7196A	Total/NA

Client Sample ID: B3F731

Lab Sample ID: 300-6378-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.020		0.0040	0.0015	mg/L	1		7196A	Total/NA

Client Sample ID: B3F729

Lab Sample ID: 300-6378-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.019		0.0040	0.0015	mg/L	1		7196A	Total/NA

Client Sample ID: B3F5D6

Lab Sample ID: 300-6378-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.0027	B	0.0040	0.0015	mg/L	1		7196A	Total/NA

Client Sample ID: B3F5D8

Lab Sample ID: 300-6378-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.0024	B	0.0040	0.0015	mg/L	1		7196A	Total/NA

Client Sample ID: B3F5L3

Lab Sample ID: 300-6378-7

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

Client Sample ID: B3F5K8

Lab Sample ID: 300-6378-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.0077		0.0040	0.0015	mg/L	1		7196A	Total/NA

Client Sample ID: B3F5M0

Lab Sample ID: 300-6378-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.0032	B	0.0040	0.0015	mg/L	1		7196A	Total/NA

Client Sample ID: B3F5M4

Lab Sample ID: 300-6378-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.0032	B	0.0040	0.0015	mg/L	1		7196A	Total/NA

Client Sample ID: B3F5N6

Lab Sample ID: 300-6378-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.0032	B	0.0040	0.0015	mg/L	1		7196A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Richland

Detection Summary

Client: CH2M Hill Plateau Remediation Company
Project/Site: S18-011

TestAmerica Job ID: 300-6378-1
SDG: WC2513

Client Sample ID: B3F5N6 (Continued)

Lab Sample ID: 300-6378-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.0062		0.0040	0.0015	mg/L	1		7196A	Total/NA

Client Sample ID: B3F5N8

Lab Sample ID: 300-6378-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.0064		0.0040	0.0015	mg/L	1		7196A	Total/NA

Client Sample ID: B3F546

Lab Sample ID: 300-6378-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.041		0.0040	0.0015	mg/L	1		7196A	Total/NA

Client Sample ID: B3F7F6

Lab Sample ID: 300-6378-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.040		0.0040	0.0015	mg/L	1		7196A	Total/NA

Client Sample ID: B3F744

Lab Sample ID: 300-6378-15

No Detections.

Client Sample ID: B3F750

Lab Sample ID: 300-6378-16

No Detections.

Client Sample ID: B3F751

Lab Sample ID: 300-6378-17

No Detections.

Client Sample ID: B3F745

Lab Sample ID: 300-6378-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.0037	B	0.0040	0.0015	mg/L	1		7196A	Total/NA

Client Sample ID: B3F699

Lab Sample ID: 300-6378-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.010		0.0040	0.0015	mg/L	1		7196A	Total/NA

Client Sample ID: B3F695

Lab Sample ID: 300-6378-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.0092		0.0040	0.0015	mg/L	1		7196A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Richland

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: S18-011

TestAmerica Job ID: 300-6378-1
SDG: WC2513

Client Sample ID: B3F724

Lab Sample ID: 300-6378-1

Date Collected: 11/13/17 10:35

Matrix: Water

Date Received: 11/13/17 14:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.014		0.0040	0.0015	mg/L			11/13/17 17:03	1

Client Sample ID: B3F726

Lab Sample ID: 300-6378-2

Date Collected: 11/13/17 10:35

Matrix: Water

Date Received: 11/13/17 14:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.013		0.0040	0.0015	mg/L			11/13/17 17:03	1

Client Sample ID: B3F731

Lab Sample ID: 300-6378-3

Date Collected: 11/13/17 10:50

Matrix: Water

Date Received: 11/13/17 14:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.020		0.0040	0.0015	mg/L			11/13/17 17:04	1

Client Sample ID: B3F729

Lab Sample ID: 300-6378-4

Date Collected: 11/13/17 10:50

Matrix: Water

Date Received: 11/13/17 14:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.019		0.0040	0.0015	mg/L			11/13/17 17:04	1

Client Sample ID: B3F5D6

Lab Sample ID: 300-6378-5

Date Collected: 11/13/17 10:09

Matrix: Water

Date Received: 11/13/17 14:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0027	B	0.0040	0.0015	mg/L			11/13/17 17:04	1

Client Sample ID: B3F5D8

Lab Sample ID: 300-6378-6

Date Collected: 11/13/17 10:09

Matrix: Water

Date Received: 11/13/17 14:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0024	B	0.0040	0.0015	mg/L			11/13/17 17:04	1

Client Sample ID: B3F5L3

Lab Sample ID: 300-6378-7

Date Collected: 11/13/17 13:06

Matrix: Water

Date Received: 11/13/17 14:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0081		0.0040	0.0015	mg/L			11/13/17 17:08	1

TestAmerica Richland

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: S18-011

TestAmerica Job ID: 300-6378-1
SDG: WC2513

Client Sample ID: B3F5K8

Lab Sample ID: 300-6378-8

Date Collected: 11/13/17 13:06

Matrix: Water

Date Received: 11/13/17 14:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0077		0.0040	0.0015	mg/L			11/13/17 17:08	1

Client Sample ID: B3F5M0

Lab Sample ID: 300-6378-9

Date Collected: 11/13/17 12:15

Matrix: Water

Date Received: 11/13/17 14:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0032	B	0.0040	0.0015	mg/L			11/13/17 17:08	1

Client Sample ID: B3F5M4

Lab Sample ID: 300-6378-10

Date Collected: 11/13/17 12:15

Matrix: Water

Date Received: 11/13/17 14:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0032	B	0.0040	0.0015	mg/L			11/13/17 17:09	1

Client Sample ID: B3F5N6

Lab Sample ID: 300-6378-11

Date Collected: 11/13/17 10:58

Matrix: Water

Date Received: 11/13/17 14:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0062		0.0040	0.0015	mg/L			11/13/17 17:09	1

Client Sample ID: B3F5N8

Lab Sample ID: 300-6378-12

Date Collected: 11/13/17 10:58

Matrix: Water

Date Received: 11/13/17 14:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0064		0.0040	0.0015	mg/L			11/13/17 17:09	1

Client Sample ID: B3F546

Lab Sample ID: 300-6378-13

Date Collected: 11/13/17 10:28

Matrix: Water

Date Received: 11/13/17 14:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.041		0.0040	0.0015	mg/L			11/13/17 17:10	1

Client Sample ID: B3F7F6

Lab Sample ID: 300-6378-14

Date Collected: 11/13/17 10:28

Matrix: Water

Date Received: 11/13/17 14:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.040		0.0040	0.0015	mg/L			11/13/17 17:12	1

TestAmerica Richland

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: S18-011

TestAmerica Job ID: 300-6378-1
SDG: WC2513

Client Sample ID: B3F744

Lab Sample ID: 300-6378-15

Date Collected: 11/13/17 09:15

Matrix: Water

Date Received: 11/13/17 14:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0015	U	0.0040	0.0015	mg/L			11/13/17 17:13	1

Client Sample ID: B3F750

Lab Sample ID: 300-6378-16

Date Collected: 11/13/17 09:15

Matrix: Water

Date Received: 11/13/17 14:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0015	U	0.0040	0.0015	mg/L			11/13/17 17:13	1

Client Sample ID: B3F751

Lab Sample ID: 300-6378-17

Date Collected: 11/13/17 10:53

Matrix: Water

Date Received: 11/13/17 14:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0015	U	0.0040	0.0015	mg/L			11/13/17 17:14	1

Client Sample ID: B3F745

Lab Sample ID: 300-6378-18

Date Collected: 11/13/17 10:53

Matrix: Water

Date Received: 11/13/17 14:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0037	B	0.0040	0.0015	mg/L			11/13/17 17:14	1

Client Sample ID: B3F699

Lab Sample ID: 300-6378-19

Date Collected: 11/13/17 11:55

Matrix: Water

Date Received: 11/13/17 14:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.010		0.0040	0.0015	mg/L			11/13/17 17:14	1

Client Sample ID: B3F695

Lab Sample ID: 300-6378-20

Date Collected: 11/13/17 11:55

Matrix: Water

Date Received: 11/13/17 14:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0092		0.0040	0.0015	mg/L			11/13/17 17:17	1

QC Sample Results

Client: CH2M Hill Plateau Remediation Company
 Project/Site: S18-011

TestAmerica Job ID: 300-6378-1
 SDG: WC2513

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 300-9663/3
 Matrix: Water
 Analysis Batch: 9663

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0015	U	0.0040	0.0015	mg/L			11/13/17 16:59	1

Lab Sample ID: LCS 300-9663/4
 Matrix: Water
 Analysis Batch: 9663

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	0.250	0.259		mg/L		103	80 - 120

Lab Sample ID: 300-6378-2 MS
 Matrix: Water
 Analysis Batch: 9663

Client Sample ID: B3F726
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	0.013		0.0501	0.0655		mg/L		104	75 - 125

Lab Sample ID: 300-6378-2 DU
 Matrix: Water
 Analysis Batch: 9663

Client Sample ID: B3F726
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cr (VI)	0.013		0.0137		mg/L		2	20

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

QC Association Summary

Client: CH2M Hill Plateau Remediation Company
 Project/Site: S18-011

TestAmerica Job ID: 300-6378-1
 SDG: WC2513

General Chemistry

Analysis Batch: 9663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-6378-1	B3F724	Total/NA	Water	7196A	
300-6378-2	B3F726	Total/NA	Water	7196A	
300-6378-3	B3F731	Total/NA	Water	7196A	
300-6378-4	B3F729	Total/NA	Water	7196A	
300-6378-5	B3F5D6	Total/NA	Water	7196A	
300-6378-6	B3F5D8	Total/NA	Water	7196A	
300-6378-7	B3F5L3	Total/NA	Water	7196A	
300-6378-8	B3F5K8	Total/NA	Water	7196A	
300-6378-9	B3F5M0	Total/NA	Water	7196A	
300-6378-10	B3F5M4	Total/NA	Water	7196A	
300-6378-11	B3F5N6	Total/NA	Water	7196A	
300-6378-12	B3F5N8	Total/NA	Water	7196A	
300-6378-13	B3F546	Total/NA	Water	7196A	
300-6378-14	B3F7F6	Total/NA	Water	7196A	
300-6378-15	B3F744	Total/NA	Water	7196A	
300-6378-16	B3F750	Total/NA	Water	7196A	
300-6378-17	B3F751	Total/NA	Water	7196A	
300-6378-18	B3F745	Total/NA	Water	7196A	
300-6378-19	B3F699	Total/NA	Water	7196A	
300-6378-20	B3F695	Total/NA	Water	7196A	
MB 300-9663/3	Method Blank	Total/NA	Water	7196A	
LCS 300-9663/4	Lab Control Sample	Total/NA	Water	7196A	
300-6378-2 MS	B3F726	Total/NA	Water	7196A	
300-6378-2 DU	B3F726	Total/NA	Water	7196A	

Lab Chronicle

Client: CH2M Hill Plateau Remediation Company
 Project/Site: S18-011

TestAmerica Job ID: 300-6378-1
 SDG: WC2513

Client Sample ID: B3F724

Date Collected: 11/13/17 10:35

Date Received: 11/13/17 14:50

Lab Sample ID: 300-6378-1

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			9663	11/13/17 17:03	TRH	TAL RCH

Client Sample ID: B3F726

Date Collected: 11/13/17 10:35

Date Received: 11/13/17 14:50

Lab Sample ID: 300-6378-2

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			9663	11/13/17 17:03	TRH	TAL RCH

Client Sample ID: B3F731

Date Collected: 11/13/17 10:50

Date Received: 11/13/17 14:50

Lab Sample ID: 300-6378-3

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			9663	11/13/17 17:04	TRH	TAL RCH

Client Sample ID: B3F729

Date Collected: 11/13/17 10:50

Date Received: 11/13/17 14:50

Lab Sample ID: 300-6378-4

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			9663	11/13/17 17:04	TRH	TAL RCH

Client Sample ID: B3F5D6

Date Collected: 11/13/17 10:09

Date Received: 11/13/17 14:50

Lab Sample ID: 300-6378-5

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			9663	11/13/17 17:04	TRH	TAL RCH

Client Sample ID: B3F5D8

Date Collected: 11/13/17 10:09

Date Received: 11/13/17 14:50

Lab Sample ID: 300-6378-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7196A		1			9663	11/13/17 17:04	TRH	TAL RCH

Lab Chronicle

Client: CH2M Hill Plateau Remediation Company
Project/Site: S18-011

TestAmerica Job ID: 300-6378-1
SDG: WC2513

Client Sample ID: B3F5L3

Lab Sample ID: 300-6378-7

Date Collected: 11/13/17 13:06
Date Received: 11/13/17 14:50

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			9663	11/13/17 17:08	TRH	TAL RCH

Client Sample ID: B3F5K8

Lab Sample ID: 300-6378-8

Date Collected: 11/13/17 13:06
Date Received: 11/13/17 14:50

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			9663	11/13/17 17:08	TRH	TAL RCH

Client Sample ID: B3F5M0

Lab Sample ID: 300-6378-9

Date Collected: 11/13/17 12:15
Date Received: 11/13/17 14:50

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			9663	11/13/17 17:08	TRH	TAL RCH

Client Sample ID: B3F5M4

Lab Sample ID: 300-6378-10

Date Collected: 11/13/17 12:15
Date Received: 11/13/17 14:50

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			9663	11/13/17 17:09	TRH	TAL RCH

Client Sample ID: B3F5N6

Lab Sample ID: 300-6378-11

Date Collected: 11/13/17 10:58
Date Received: 11/13/17 14:50

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			9663	11/13/17 17:09	TRH	TAL RCH

Client Sample ID: B3F5N8

Lab Sample ID: 300-6378-12

Date Collected: 11/13/17 10:58
Date Received: 11/13/17 14:50

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			9663	11/13/17 17:09	TRH	TAL RCH

Lab Chronicle

Client: CH2M Hill Plateau Remediation Company
 Project/Site: S18-011

TestAmerica Job ID: 300-6378-1
 SDG: WC2513

Client Sample ID: B3F546

Lab Sample ID: 300-6378-13

Date Collected: 11/13/17 10:28

Matrix: Water

Date Received: 11/13/17 14:50

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			9663	11/13/17 17:10	TRH	TAL RCH

Client Sample ID: B3F7F6

Lab Sample ID: 300-6378-14

Date Collected: 11/13/17 10:28

Matrix: Water

Date Received: 11/13/17 14:50

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			9663	11/13/17 17:12	TRH	TAL RCH

Client Sample ID: B3F744

Lab Sample ID: 300-6378-15

Date Collected: 11/13/17 09:15

Matrix: Water

Date Received: 11/13/17 14:50

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			9663	11/13/17 17:13	TRH	TAL RCH

Client Sample ID: B3F750

Lab Sample ID: 300-6378-16

Date Collected: 11/13/17 09:15

Matrix: Water

Date Received: 11/13/17 14:50

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			9663	11/13/17 17:13	TRH	TAL RCH

Client Sample ID: B3F751

Lab Sample ID: 300-6378-17

Date Collected: 11/13/17 10:53

Matrix: Water

Date Received: 11/13/17 14:50

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			9663	11/13/17 17:14	TRH	TAL RCH

Client Sample ID: B3F745

Lab Sample ID: 300-6378-18

Date Collected: 11/13/17 10:53

Matrix: Water

Date Received: 11/13/17 14:50

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			9663	11/13/17 17:14	TRH	TAL RCH

Lab Chronicle

Client: CH2M Hill Plateau Remediation Company
 Project/Site: S18-011

TestAmerica Job ID: 300-6378-1
 SDG: WC2513

Client Sample ID: B3F699

Lab Sample ID: 300-6378-19

Date Collected: 11/13/17 11:55

Matrix: Water

Date Received: 11/13/17 14:50

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			9663	11/13/17 17:14	TRH	TAL RCH

Client Sample ID: B3F695

Lab Sample ID: 300-6378-20

Date Collected: 11/13/17 11:55

Matrix: Water

Date Received: 11/13/17 14:50

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			9663	11/13/17 17:17	TRH	TAL RCH

Client Sample ID: Method Blank

Lab Sample ID: MB 300-9663/3

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			9663	11/13/17 16:59	TRH	TAL RCH

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 300-9663/4

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			9663	11/13/17 17:00	TRH	TAL RCH

Client Sample ID: B3F726

Lab Sample ID: 300-6378-2 MS

Date Collected: 11/13/17 10:35

Matrix: Water

Date Received: 11/13/17 14:50

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			9663	11/13/17 17:00	TRH	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: S18-011

TestAmerica Job ID: 300-6378-1
SDG: WC2513

Method	Method Description	Protocol	Laboratory
7196A	Chromium, Hexavalent	SW846	TAL RCH

Protocol References:

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: S18-011

TestAmerica Job ID: 300-6378-1
 SDG: WC2513

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
300-6378-1	B3F724	Water	11/13/17 10:35	11/13/17 14:50
300-6378-2	B3F726	Water	11/13/17 10:35	11/13/17 14:50
300-6378-3	B3F731	Water	11/13/17 10:50	11/13/17 14:50
300-6378-4	B3F729	Water	11/13/17 10:50	11/13/17 14:50
300-6378-5	B3F5D6	Water	11/13/17 10:09	11/13/17 14:50
300-6378-6	B3F5D8	Water	11/13/17 10:09	11/13/17 14:50
300-6378-7	B3F5L3	Water	11/13/17 13:06	11/13/17 14:50
300-6378-8	B3F5K8	Water	11/13/17 13:06	11/13/17 14:50
300-6378-9	B3F5M0	Water	11/13/17 12:15	11/13/17 14:50
300-6378-10	B3F5M4	Water	11/13/17 12:15	11/13/17 14:50
300-6378-11	B3F5N6	Water	11/13/17 10:58	11/13/17 14:50
300-6378-12	B3F5N8	Water	11/13/17 10:58	11/13/17 14:50
300-6378-13	B3F546	Water	11/13/17 10:28	11/13/17 14:50
300-6378-14	B3F7F6	Water	11/13/17 10:28	11/13/17 14:50
300-6378-15	B3F744	Water	11/13/17 09:15	11/13/17 14:50
300-6378-16	B3F750	Water	11/13/17 09:15	11/13/17 14:50
300-6378-17	B3F751	Water	11/13/17 10:53	11/13/17 14:50
300-6378-18	B3F745	Water	11/13/17 10:53	11/13/17 14:50
300-6378-19	B3F699	Water	11/13/17 11:55	11/13/17 14:50
300-6378-20	B3F695	Water	11/13/17 11:55	11/13/17 14:50

Login Sample Receipt Checklist

Client: CH2M Hill Plateau Remediation Company

Job Number: 300-6378-1

SDG Number: WC2513

Login Number: 6378

List Number: 1

Creator: Anderson, Lori F

List Source: TestAmerica Richland

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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.	N/A	
Cooler Temperature is recorded.	N/A	
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 $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	