February 21, 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: 300-4887-1
TestAmerica Sample Delivery Group: WC1852
Client Project/Site: W17-001

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

Attn: CPP Sample Management

Authorized for release by:
2/21/2017 7:39:01 AM
Steven Campbell, Project Mgmt. 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.

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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Definitions/Glossary

Client: CH2M Hill Plateau Remediation Company
Project/Site: W17-001

TestAmerica Job ID: 300-4887-1
SDG: WC1852

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
B	Estimated result. Result is less than the RL, but greater than MDL
D	The reported value is from a dilution.
U	Analyzed for but not detected.
X	See case narrative notes for explanation of the 'X' flag

General Chemistry

Qualifier	Qualifier Description
U	Analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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: W17-001

TestAmerica Job ID: 300-4887-1
SDG: WC1852

Job ID: 300-4887-1

Laboratory: TestAmerica Richland

Narrative

Job Narrative
300-4887-1

Comments
No additional comments.

Receipt
The samples were received on 1/31/2017 3:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.7° C.

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

An X flag indicates that the associated sample result exceeds four times the amount spiked into the MS sample for a given analyte.

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

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W17-001-150**

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Collector	Juan Aguilar /CHPRC	**Contact/Requester**	Karen Waters-Husted	**Telephone No.**	509-376-4650
SAF No.	W17-001	**Sampling Origin**	Hanford Site	**Purchase Order/Charge Code**	300071
Project Title	RCRA, JANUARY 2017	**Logbook No.**	HNF-N-506 89 /87	**Ice Chest No.**	N/A
Shipped To (Lab)	TestAmerica Incorporated, Richland	**Method of Shipment**	GOVERNMENT VEHICLE	**Bill of Lading/Air Bill No.**	N/A
Protocol	RCRA	**Priority:**	**30 Days** **PRIORITY**	**Offsite Property No.**	N/A

POSSIBLE SAMPLE HAZARDS/REMARKS

** ** 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 | **Hold Time** | Total Activity Exemption: Yes ☑ No ☐

N/A

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B38136	N	W	1-31-17	0745	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C
B38132	N	W	↓	↓	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C
B38128	N	W	↓	↓	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C
B38057	N	W	1-31-17	0745	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C

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300-4887 COC

	Print	Sign	Date/Time
Relinquished By	Juan Aguilar /CHPRC		JAN 3 1 2017 0830
Received By	SSU-1		JAN 3 1 2017 0830
Relinquished By	SSU-1		JAN 3 1 2017 1100
Received By	Troy Bacon CHPRC	Troy L. Bacon	JAN 3 1 2017 1100
Relinquished By	Troy Bacon CHPRC	Troy L. Bacon	JAN 3 1 2017 1500
Received By	J. Bock, TARL		JAN 3 1 2017 1500
Relinquished By			Date/Time
Received By			Date/Time

Matrix *

S	= Soil		DS	= Drum Solids	
SE	= Sediment		DL	= Drum Liquids	
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

PRINTED ON 12/7/2016 | FSR ID = FSR39953 | A-6004-842 (REV 2)

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CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W17-001-155**

Page 1 of 1

Collector	Juan Aguilar /CHPRC	**Contact/Requester**	Karen Waters-Husted	**Telephone No.**	509-376-4650
SAF No.	W17-001	**Sampling Origin**	Hanford Site	**Purchase Order/Charge Code**	300071
Project Title	RCRA, JANUARY 2017	**Logbook No.**	HNF-N-506 89/87	**Ice Chest No.**	N/A
Shipped To (Lab)	TestAmerica Incorporated, Richland	**Method of Shipment**	GOVERNMENT VEHICLE	**Bill of Lading/Air Bill No.**	N/A
Protocol	RCRA	**Priority:**	30 Days **PRIORITY**	**Offsite Property No.**	N/A

POSSIBLE SAMPLE HAZARDS/REMARKS

** ** 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 **Hold Time** Total Activity Exemption: Yes ☑ No ☐

N/A

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B38068	N	W	1-31-17	1048	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C
B38141	N	W	↓	↓	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C
B38143	N	W	↓	↓	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C
B38139	N	W	1-31-17	1048	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C

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Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Juan Aguilar /CHPRC			JAN 3 1 2017 1310	Janelle Zunker CHPRC			JAN 3 1 2017 1310
Janelle Zunker CHPRC			JAN 3 1 2017 1500	J. Bock, TARL			JAN 3 1 2017 1500
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S	= Soil		DS	=	Drum Solids
SE	= Sediment		DL	=	Drum Liquids
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

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CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # W17-001-148 Page 1 of 1

Collector	Juan Aguilar /CHPRC	**Contact/Requester**	Karen Waters-Husted	**Telephone No.**	509-376-4650
SAF No.	W17-001	**Sampling Origin**	Hanford Site	**Purchase Order/Charge Code**	300071
Project Title	RCRA, JANUARY 2017	**Logbook No.**	HNF-N-506 89/87	**Ice Chest No.**	N/A
Shipped To (Lab)	TestAmerica Incorporated, Richland	**Method of Shipment**	GOVERNMENT VEHICLE	**Bill of Lading/Air Bill No.**	N/A
Protocol	RCRA	**Priority:**	30 Days **PRIORITY**	**Offsite Property No.**	N/A

POSSIBLE SAMPLE HAZARDS/REMARKS

** ** 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 **Hold Time** Total Activity Exemption: Yes ☑ No ☐

N/A

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B38123	N	W	1-31-17	1245	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C
B38125	N	W	↓	↓	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C
B38050	N	W	↓	↓	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C
B38121	N	W	1-31-17	1245	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C

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Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
	Juan Aguilar /CHPRC		JAN 3 1 2017 1310		Janelle Zunker CHPRC		JAN 3 1 2017 1310
Relinquished By	Janelle Zunker CHPRC		Date/Time JAN 3 1 2017 1500	Received By	J. Bock, TARI		Date/Time JAN 3 1 2017 1500
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S	= Soil	DS	= Drum Solids		
SE	= Sediment	DL	= Drum Liquids		
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

PRINTED ON 12/8/2016 FSR ID = FSR39326 A-6004-842 (REV 2)

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CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # W17-001-152 Page 1 of 1

Collector	Juan Aguilar /CHPRC	**Contact/Requester**	Karen Waters-Husted	**Telephone No.**	509-376-4650
SAF No.	W17-001	**Sampling Origin**	Hanford Site	**Purchase Order/Charge Code**	300071
Project Title	RCRA, JANUARY 2017	**Logbook No.**	HNF-N-506 89 / 87	**Ice Chest No.**	N/A
Shipped To (Lab)	TestAmerica Incorporated, Richland	**Method of Shipment**	GOVERNMENT VEHICLE	**Bill of Lading/Air Bill No.**	N/A
Protocol	RCRA	**Priority:**	30 Days **PRIORITY**	**Offsite Property No.**	N/A

POSSIBLE SAMPLE HAZARDS/REMARKS

** ** 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 **Hold Time** Total Activity Exemption: Yes ☑ No ☐

N/A

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B38137	N	W	1-31-17	0956	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C
B38129	N	W	↓	↓	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C
B38058	N	W	↓	↓	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C
B38133	N	W	1-31-17	0956	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C

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Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
	Juan Aguilar /CHPRC		JAN 31 2017 1030		Troy Bacon CHPRC	Troy L. Bacon	JAN 31 2017 1030
Relinquished By	Troy Bacon CHPRC	Troy L. Bacon	JAN 31 2017 1500	Received By	J. Bock, TARL		JAN 31 2017 1500
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S	= Soil		DS	=	Drum Solids
SE	= Sediment		DL	=	Drum Liquids
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

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CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W17-001-133**

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Collector	Kevin Patterson /CHPRC	**Contact/Requester**	Karen Waters-Husted	**Telephone No.**	509-376-4650
SAF No.	W17-001	**Sampling Origin**	Hanford Site	**Purchase Order/Charge Code**	300071
Project Title	RCRA, JANUARY 2017	**Logbook No.**	HNF-N-506 90/95	**Ice Chest No.**	N/A
Shipped To (Lab)	TestAmerica Incorporated, Richland	**Method of Shipment**	GOVERNMENT VEHICLE	**Bill of Lading/Air Bill No.**	N/A
Protocol	RCRA	**Priority:**	30 Days **PRIORITY**	**Offsite Property No.**	N/A

POSSIBLE SAMPLE HAZARDS/REMARKS

** ** 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 **Hold Time** Total Activity Exemption: Yes ☑ No ☐

N/A

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B38008	N	W	JAN 3 1 2017	0925	1x125-mL P	300.0_ANIONS_IC: COMMON; 300.0_ANIONS_IC: GW 02	48 Hours	Cool <=6C

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Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
	Kevin Patterson /CHPRC		JAN 3 1 2017 1315		Troy Bacon CHPRC	Troy L. Bacon	JAN 3 1 2017 1315
	Troy Bacon CHPRC	Troy L. Bacon	JAN 3 1 2017 1500		J. Bock, TARL	J. Bock	JAN 3 1 2017 1500

Matrix *

S	= Soil		DS	=	Drum Solids
SE	= Sediment		DL	=	Drum Liquids
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

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CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # W17-001-151
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Collector	Juan Aguilar /CHPRC	**Contact/Requester**	Karen Waters-Husted	**Telephone No.**	509-376-4650
SAF No.	W17-001	**Sampling Origin**	Hanford Site	**Purchase Order/Charge Code**	300071
Project Title	RCRA, JANUARY 2017	**Logbook No.**	HNF-N-506 89 / 87	**Ice Chest No.**	N/A
Shipped To (Lab)	TestAmerica Incorporated, Richland	**Method of Shipment**	GOVERNMENT VEHICLE	**Bill of Lading/Air Bill No.**	N/A
Protocol	RCRA	**Priority:**	**30 Days** **PRIORITY**	**Offsite Property No.**	N/A

POSSIBLE SAMPLE HAZARDS/REMARKS

** ** 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 **Hold Time** Total Activity Exemption: Yes ☑ No ☐

N/A

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B38056	N	W	1-31-17	0956	1x125-mL P	300.0_ANIONS_IC: COMMON	48 Hours	Cool <=6C

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Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Juan Aguilar /CHPRC		JAN 3 1 2017	1030	Troy Bacon CHPRC	Troy L. Bacon	JAN 3 1 2017	1030
Troy Bacon CHPRC	Troy L. Bacon	JAN 3 1 2017	1500	J. Bock, TARL		JAN 3 1 2017	1500
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S	= Soil	DS	= Drum Solids		
SE	= Sediment	DL	= Drum Liquids		
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

PRINTED ON 12/7/2016 FSR ID = FSR32452 A-6004-842 (REV 2)

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CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W17-001-149**

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Collector	Juan Aguilar /CHPRC	**Contact/Requester**	Karen Waters-Husted	**Telephone No.**	509-376-4650
SAF No.	W17-001	**Sampling Origin**	Hanford Site	**Purchase Order/Charge Code**	300071
Project Title	RCRA, JANUARY 2017	**Logbook No.**	HNF-N-506 89/87	**Ice Chest No.**	N/A
Shipped To (Lab)	TestAmerica Incorporated, Richland	**Method of Shipment**	GOVERNMENT VEHICLE	**Bill of Lading/Air Bill No.**	N/A
Protocol	RCRA	**Priority:**	**30 Days** **PRIORITY**	**Offsite Property No.**	N/A

POSSIBLE SAMPLE HAZARDS/REMARKS

** ** 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 **Hold Time** Total Activity Exemption: Yes ☑ No ☐

N/A

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B38055	N	W	1-31-17	0745	1x125-mL P	300.0_ANIONS_IC: COMMON	48 Hours	Cool <=6C

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WC1852

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Juan Aguilar /CHPRC			JAN 3 1 2017 0830	SSU-1			JAN 3 1 2017 0830
SSU-1			JAN 3 1 2017 1100	Troy Bacon CHPRC	Troy L. Bacon		JAN 3 1 2017 1100
Troy Bacon CHPRC	Troy L. Bacon		JAN 3 1 2017 1500	J. Bock, TARL			JAN 3 1 2017 1500
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S	= Soil	DS	= Drum Solids		
SE	= Sediment	DL	= Drum Liquids		
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

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CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W17-001-154**

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Collector	Juan Aguilar /CHPRC	**Contact/Requester**	Karen Waters-Husted	**Telephone No.**	509-376-4650
SAF No.	W17-001	**Sampling Origin**	Hanford Site	**Purchase Order/Charge Code**	300071
Project Title	RCRA, JANUARY 2017	**Logbook No.**	HNF-N-506 89/87	**Ice Chest No.**	N/A
Shipped To (Lab)	TestAmerica Incorporated, Richland	**Method of Shipment**	GOVERNMENT VEHICLE	**Bill of Lading/Air Bill No.**	N/A
Protocol	RCRA	**Priority:**	**30 Days** **PRIORITY**	**Offsite Property No.**	N/A

POSSIBLE SAMPLE HAZARDS/REMARKS

** ** 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 **Hold Time** Total Activity Exemption: Yes ☑ No ☐

N/A

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B38067	N	W	1-31-17	1048	1x125-mL P	300.0_ANIONS_IC: COMMON	48 Hours	Cool <=6C

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Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Juan Aguilar /CHPRC			JAN 3 1 2017 1310	Janelle Zunker CHPRC			JAN 3 1 2017 1310
Janelle Zunker CHPRC			JAN 3 1 2017 1500	J. Bock, TARL			JAN 3 1 2017 1500

Matrix *

S	= Soil		DS	=	Drum Solids
SE	= Sediment		DL	=	Drum Liquids
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

PRINTED ON 12/6/2016 **FSR ID = FSR32858** A-6004-842 (REV 2)

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CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # W17-001-153
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Collector	Juan Aguilar /CHPRC	**Contact/Requester**	Karen Waters-Husted	**Telephone No.**	509-376-4650
SAF No.	W17-001	**Sampling Origin**	Hanford Site	**Purchase Order/Charge Code**	300071
Project Title	RCRA, JANUARY 2017	**Logbook No.**	HNF-N-506 89/87	**Ice Chest No.**	N/A
Shipped To (Lab)	TestAmerica Incorporated, Richland	**Method of Shipment**	GOVERNMENT VEHICLE	**Bill of Lading/Air Bill No.**	N/A
Protocol	RCRA	**Priority:**	30 Days **PRIORITY**	**Offsite Property No.**	N/A

POSSIBLE SAMPLE HAZARDS/REMARKS

** ** 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 **Hold Time** Total Activity Exemption: Yes ☑ No ☐

N/A

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B38063	N	W	1-31-17	1217	1x125-mL P	300.0_ANIONS_IC: COMMON	48 Hours	Cool <=6C

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WC1852

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Juan Aguilar /CHPRC			JAN 3 1 2017 1310	Janelle Zunker CHPRC			JAN 3 1 2017 1310
Janelle Zunker CHPRC			JAN 3 1 2017 1500	J. Bock, TARL			JAN 3 1 2017 1500
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S	= Soil		DS	= Drum Solids	
SE	= Sediment		DL	= Drum Liquids	
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

PRINTED ON 11/22/2016 FSR ID = FSR32453 A-6004-842 (REV 2)

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CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W17-001-147**

Page 1 of 1

Collector	Juan Aguilar /CHPRC	**Contact/Requester**	Karen Waters-Husted	**Telephone No.**	509-376-4650
SAF No.	W17-001	**Sampling Origin**	Hanford Site	**Purchase Order/Charge Code**	300071
Project Title	RCRA, JANUARY 2017	**Logbook No.**	HNF-N-506 89/87	**Ice Chest No.**	N/A
Shipped To (Lab)	TestAmerica Incorporated, Richland	**Method of Shipment**	GOVERNMENT VEHICLE	**Bill of Lading/Air Bill No.**	N/A
Protocol	RCRA	**Priority:**	30 Days **PRIORITY**	**Offsite Property No.**	N/A

POSSIBLE SAMPLE HAZARDS/REMARKS

** ** 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 **Hold Time**

N/A

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B38049	N	W	1-31-17	1245	1x125-mL P	300.0_ANIONS_IC: COMMON	48 Hours	Cool <=6C

#4887
WC1852

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Juan Aguilar /CHPRC			JAN 3 1 2017 1310	Janelle Zunker CHPRC			JAN 3 1 2017 1310
Janelle Zunker CHPRC			JAN 3 1 2017 1500	J. Bock, TARL			JAN 3 1 2017 1500

Matrix *

S	= Soil	DS	= Drum Solids		
SE	= Sediment	DL	= Drum Liquids		
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

PRINTED ON 12/8/2016 **FSR ID = FSR39326** A-6004-842 (REV 2)

February 21, 2017

2/21/2017

Detection Summary

Client: CH2M Hill Plateau Remediation Company
Project/Site: W17-001

TestAmerica Job ID: 300-4887-1
SDG: WC1852

Client Sample ID: B38136 — **Lab Sample ID: 300-4887-1**

No Detections.

Client Sample ID: B38132 — **Lab Sample ID: 300-4887-2**

No Detections.

Client Sample ID: B38128 — **Lab Sample ID: 300-4887-3**

No Detections.

Client Sample ID: B38057 — **Lab Sample ID: 300-4887-4**

No Detections.

Client Sample ID: B38068 — **Lab Sample ID: 300-4887-5**

No Detections.

Client Sample ID: B38141 — **Lab Sample ID: 300-4887-6**

No Detections.

Client Sample ID: B38143 — **Lab Sample ID: 300-4887-7**

No Detections.

Client Sample ID: B38139 — **Lab Sample ID: 300-4887-8**

No Detections.

Client Sample ID: B38123 — **Lab Sample ID: 300-4887-9**

No Detections.

Client Sample ID: B38125 — **Lab Sample ID: 300-4887-10**

No Detections.

Client Sample ID: B38050 — **Lab Sample ID: 300-4887-11**

No Detections.

Client Sample ID: B38121 — **Lab Sample ID: 300-4887-12**

No Detections.

Client Sample ID: B38137 — **Lab Sample ID: 300-4887-13**

No Detections.

Client Sample ID: B38129 — **Lab Sample ID: 300-4887-14**

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: CH2M Hill Plateau Remediation Company
Project/Site: W17-001

TestAmerica Job ID: 300-4887-1
SDG: WC1852

Client Sample ID: B38058 — Lab Sample ID: 300-4887-15

No Detections.

Client Sample ID: B38133 — Lab Sample ID: 300-4887-16

No Detections.

Client Sample ID: B38008 — Lab Sample ID: 300-4887-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	22	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	13	D	0.14	0.070	mg/L	5		300.0	Total/NA
Fluoride	0.24	D	0.10	0.050	mg/L	2		300.0	Total/NA
Nitrite as N	0.067	B D	0.076	0.038	mg/L	2		300.0	Total/NA
Sulfate	81	D	0.50	0.25	mg/L	2		300.0	Total/NA
Bromide	0.19	B D	0.25	0.13	mg/L	2		300.0	Total/NA

Client Sample ID: B38056 — Lab Sample ID: 300-4887-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	62	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	9.9	D	0.056	0.028	mg/L	2		300.0	Total/NA
Fluoride	0.34	D	0.10	0.050	mg/L	2		300.0	Total/NA
Sulfate	210	D	5.0	2.5	mg/L	20		300.0	Total/NA

Client Sample ID: B38055 — Lab Sample ID: 300-4887-19

No Detections.

Client Sample ID: B38067 — Lab Sample ID: 300-4887-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	51	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	20	D	0.28	0.14	mg/L	10		300.0	Total/NA
Fluoride	0.33	D	0.10	0.050	mg/L	2		300.0	Total/NA
Nitrite as N	0.082	D	0.076	0.038	mg/L	2		300.0	Total/NA
Sulfate	180	D	2.5	1.3	mg/L	10		300.0	Total/NA

Client Sample ID: B38063 — Lab Sample ID: 300-4887-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	97	D	4.0	2.0	mg/L	20		300.0	Total/NA
Nitrate as N	12	D	0.56	0.28	mg/L	20		300.0	Total/NA
Fluoride	0.30	D	0.10	0.050	mg/L	2		300.0	Total/NA
Sulfate	280	D	5.0	2.5	mg/L	20		300.0	Total/NA

Client Sample ID: B38049 — Lab Sample ID: 300-4887-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	57	D	0.40	0.20	mg/L	2		300.0	Total/NA
Nitrate as N	16	D	0.56	0.28	mg/L	20		300.0	Total/NA
Fluoride	0.34	D	0.10	0.050	mg/L	2		300.0	Total/NA
Sulfate	160	D	5.0	2.5	mg/L	20		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: W17-001

TestAmerica Job ID: 300-4887-1
SDG: WC1852

Client Sample ID: B38136
Date Collected: 01/31/17 07:45
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0015	U	0.0040	0.0015	mg/L			01/31/17 16:39	1

Client Sample ID: B38132
Date Collected: 01/31/17 07:45
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-2
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0015	U	0.0040	0.0015	mg/L			01/31/17 16:39	1

Client Sample ID: B38128
Date Collected: 01/31/17 07:45
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-3
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0015	U	0.0040	0.0015	mg/L			01/31/17 16:40	1

Client Sample ID: B38057
Date Collected: 01/31/17 07:45
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-4
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0015	U	0.0040	0.0015	mg/L			01/31/17 16:40	1

Client Sample ID: B38068
Date Collected: 01/31/17 10:48
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-5
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0015	U	0.0040	0.0015	mg/L			01/31/17 16:40	1

Client Sample ID: B38141
Date Collected: 01/31/17 10:48
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-6
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0015	U	0.0040	0.0015	mg/L			01/31/17 16:40	1

Client Sample ID: B38143
Date Collected: 01/31/17 10:48
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-7
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0015	U	0.0040	0.0015	mg/L			01/31/17 16:44	1

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: W17-001

TestAmerica Job ID: 300-4887-1
SDG: WC1852

Client Sample ID: B38139
Date Collected: 01/31/17 10:48
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-8
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0015	U	0.0040	0.0015	mg/L			01/31/17 16:44	1

Client Sample ID: B38123
Date Collected: 01/31/17 12:45
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-9
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0015	U	0.0040	0.0015	mg/L			01/31/17 16:44	1

Client Sample ID: B38125
Date Collected: 01/31/17 12:45
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-10
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0015	U	0.0040	0.0015	mg/L			01/31/17 16:45	1

Client Sample ID: B38050
Date Collected: 01/31/17 12:45
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-11
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0015	U	0.0040	0.0015	mg/L			01/31/17 16:45	1

Client Sample ID: B38121
Date Collected: 01/31/17 12:45
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-12
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0015	U	0.0040	0.0015	mg/L			01/31/17 16:45	1

Client Sample ID: B38137
Date Collected: 01/31/17 09:56
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-13
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0015	U	0.0040	0.0015	mg/L			01/31/17 16:46	1

Client Sample ID: B38129
Date Collected: 01/31/17 09:56
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-14
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0015	U	0.0040	0.0015	mg/L			01/31/17 16:48	1

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: W17-001

TestAmerica Job ID: 300-4887-1
SDG: WC1852

Client Sample ID: B38058
Date Collected: 01/31/17 09:56
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-15
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0015	U	0.0040	0.0015	mg/L			01/31/17 16:49	1

Client Sample ID: B38133
Date Collected: 01/31/17 09:56
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-16
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0015	U	0.0040	0.0015	mg/L			01/31/17 16:49	1

Client Sample ID: B38008
Date Collected: 01/31/17 09:25
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-17
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22**	**D**	0.40	0.20	mg/L			02/01/17 01:19	2
Nitrate as N	**13**	**D**	0.14	0.070	mg/L			02/01/17 08:20	5
Fluoride	**0.24**	**D**	0.10	0.050	mg/L			02/01/17 01:19	2
Nitrite as N	**0.067**	**B D**	0.076	0.038	mg/L			02/01/17 01:19	2
Orthophosphate as P	0.082	U D	0.16	0.082	mg/L			02/01/17 01:19	2
Sulfate	**81**	**D**	0.50	0.25	mg/L			02/01/17 01:19	2
Bromide	**0.19**	**B D**	0.25	0.13	mg/L			02/01/17 01:19	2

Client Sample ID: B38056
Date Collected: 01/31/17 09:56
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-18
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**62**	**D**	0.40	0.20	mg/L			02/01/17 01:34	2
Nitrate as N	**9.9**	**D**	0.056	0.028	mg/L			02/01/17 01:34	2
Fluoride	**0.34**	**D**	0.10	0.050	mg/L			02/01/17 01:34	2
Nitrite as N	0.038	U D	0.076	0.038	mg/L			02/01/17 01:34	2
Sulfate	**210**	**D**	5.0	2.5	mg/L			02/01/17 08:35	20

Client Sample ID: B38055
Date Collected: 01/31/17 07:45
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-19
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U D	0.40	0.20	mg/L			02/01/17 02:19	2
Nitrate as N	0.028	U D	0.056	0.028	mg/L			02/01/17 02:19	2
Fluoride	0.050	U D	0.10	0.050	mg/L			02/01/17 02:19	2
Nitrite as N	0.038	U D	0.076	0.038	mg/L			02/01/17 02:19	2
Sulfate	0.25	U D	0.50	0.25	mg/L			02/01/17 02:19	2

Client: CH2M Hill Plateau Remediation Company
Project/Site: W17-001

TestAmerica Job ID: 300-4887-1
SDG: WC1852

Client Sample ID: B38067
Date Collected: 01/31/17 10:48
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-20
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51	D	0.40	0.20	mg/L			02/01/17 02:34	2
Nitrate as N	20	D	0.28	0.14	mg/L			02/01/17 09:05	10
Fluoride	0.33	D	0.10	0.050	mg/L			02/01/17 02:34	2
Nitrite as N	0.082	D	0.076	0.038	mg/L			02/01/17 02:34	2
Sulfate	180	D	2.5	1.3	mg/L			02/01/17 09:05	10

Client Sample ID: B38063
Date Collected: 01/31/17 12:17
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-21
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97	D	4.0	2.0	mg/L			02/01/17 09:20	20
Nitrate as N	12	D	0.56	0.28	mg/L			02/01/17 09:20	20
Fluoride	0.30	D	0.10	0.050	mg/L			02/01/17 02:50	2
Nitrite as N	0.038	U D	0.076	0.038	mg/L			02/01/17 02:50	2
Sulfate	280	D	5.0	2.5	mg/L			02/01/17 09:20	20

Client Sample ID: B38049
Date Collected: 01/31/17 12:45
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-22
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57	D	0.40	0.20	mg/L			02/01/17 03:05	2
Nitrate as N	16	D	0.56	0.28	mg/L			02/01/17 09:35	20
Fluoride	0.34	D	0.10	0.050	mg/L			02/01/17 03:05	2
Nitrite as N	0.038	U D	0.076	0.038	mg/L			02/01/17 03:05	2
Sulfate	160	D	5.0	2.5	mg/L			02/01/17 09:35	20

Client: CH2M Hill Plateau Remediation Company
Project/Site: W17-001

TestAmerica Job ID: 300-4887-1
SDG: WC1852

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 300-7041/5
Matrix: Water
Analysis Batch: 7041

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			01/31/17 20:18	1
Nitrite as N	0.019	U	0.038	0.019	mg/L			01/31/17 20:18	1
Orthophosphate as P	0.041	U	0.082	0.041	mg/L			01/31/17 20:18	1

Lab Sample ID: LCS 300-7041/6
Matrix: Water
Analysis Batch: 7041

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	2.38		mg/L		105	80 - 120
Nitrite as N	3.04	3.18		mg/L		104	80 - 120
Orthophosphate as P	6.53	6.78		mg/L		104	80 - 120

Lab Sample ID: 300-4890-A-1 MS
Matrix: Water
Analysis Batch: 7041

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	4.9	D	0.452	5.35	X D	mg/L		106	75 - 125
Nitrite as N	0.057	B D	0.609	0.547	D	mg/L		81	75 - 125
Orthophosphate as P	0.082	U D	1.31	1.08	D	mg/L		83	75 - 125

Lab Sample ID: 300-4890-A-1 DU
Matrix: Water
Analysis Batch: 7041

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrate as N	4.9	D	4.85	D	mg/L		0.4	20
Nitrite as N	0.057	B D	0.0571	B D	mg/L		1	20
Orthophosphate as P	0.082	U D	0.082	U D	mg/L		NC	20

Lab Sample ID: MB 300-7042/5
Matrix: Water
Analysis Batch: 7042

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			01/31/17 20:18	1
Fluoride	0.025	U	0.050	0.025	mg/L			01/31/17 20:18	1
Sulfate	0.13	U	0.25	0.13	mg/L			01/31/17 20:18	1
Bromide	0.063	U	0.13	0.063	mg/L			01/31/17 20:18	1

Lab Sample ID: LCS 300-7042/6
Matrix: Water
Analysis Batch: 7042

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	16.3		mg/L		102	80 - 120
Fluoride	4.00	4.09		mg/L		102	80 - 120
Sulfate	20.0	20.5		mg/L		102	80 - 120

Client: CH2M Hill Plateau Remediation Company
Project/Site: W17-001

TestAmerica Job ID: 300-4887-1
SDG: WC1852

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 300-7042/6
Matrix: Water
Analysis Batch: 7042

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: 300-4890-A-1 MS
Matrix: Water
Analysis Batch: 7042

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	8.7	D	3.20	12.0	D	mg/L		102	75 - 125		
Fluoride	0.40	D	0.800	1.17	D	mg/L		96	75 - 125		
Sulfate	24	D	4.00	28.1	X D	mg/L		105	75 - 125		
Bromide	0.13	U D	2.00	1.82	D	mg/L		91	75 - 125		

Lab Sample ID: 300-4890-A-1 DU
Matrix: Water
Analysis Batch: 7042

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Chloride	8.7	D	8.71	D	mg/L				0.4	20
Fluoride	0.40	D	0.400	D	mg/L				0.5	20
Sulfate	24	D	23.9	D	mg/L				0.2	20
Bromide	0.13	U D	0.13	U D	mg/L				NC	20

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 300-7059/3
Matrix: Water
Analysis Batch: 7059

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			01/31/17 16:35	1

Lab Sample ID: LCS 300-7059/4
Matrix: Water
Analysis Batch: 7059

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	0.252		mg/L		101	80 - 120		

Lab Sample ID: 300-4887-1 MS
Matrix: Water
Analysis Batch: 7059

Client Sample ID: B38136
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cr (VI)	0.0015	U	0.0499	0.0505		mg/L		101	75 - 125		

Client: CH2M Hill Plateau Remediation Company
Project/Site: W17-001

TestAmerica Job ID: 300-4887-1
SDG: WC1852

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: 300-4887-1 DU
Matrix: Water
Analysis Batch: 7059

Client Sample ID: B38136
Prep Type: Total/NA

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

QC Association Summary

Client: CH2M Hill Plateau Remediation Company
Project/Site: W17-001

TestAmerica Job ID: 300-4887-1
SDG: WC1852

HPLC/IC

Analysis Batch: 7041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-4887-17	B38008	Total/NA	Water	300.0	
300-4887-17	B38008	Total/NA	Water	300.0	
300-4887-18	B38056	Total/NA	Water	300.0	
300-4887-19	B38055	Total/NA	Water	300.0	
300-4887-20	B38067	Total/NA	Water	300.0	
300-4887-20	B38067	Total/NA	Water	300.0	
300-4887-21	B38063	Total/NA	Water	300.0	
300-4887-21	B38063	Total/NA	Water	300.0	
300-4887-22	B38049	Total/NA	Water	300.0	
300-4887-22	B38049	Total/NA	Water	300.0	
MB 300-7041/5	Method Blank	Total/NA	Water	300.0	
LCS 300-7041/6	Lab Control Sample	Total/NA	Water	300.0	
300-4890-A-1 MS	Matrix Spike	Total/NA	Water	300.0	
300-4890-A-1 DU	Duplicate	Total/NA	Water	300.0	

Analysis Batch: 7042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-4887-17	B38008	Total/NA	Water	300.0	
300-4887-18	B38056	Total/NA	Water	300.0	
300-4887-18	B38056	Total/NA	Water	300.0	
300-4887-19	B38055	Total/NA	Water	300.0	
300-4887-20	B38067	Total/NA	Water	300.0	
300-4887-20	B38067	Total/NA	Water	300.0	
300-4887-21	B38063	Total/NA	Water	300.0	
300-4887-21	B38063	Total/NA	Water	300.0	
300-4887-22	B38049	Total/NA	Water	300.0	
300-4887-22	B38049	Total/NA	Water	300.0	
MB 300-7042/5	Method Blank	Total/NA	Water	300.0	
LCS 300-7042/6	Lab Control Sample	Total/NA	Water	300.0	
300-4890-A-1 MS	Matrix Spike	Total/NA	Water	300.0	
300-4890-A-1 DU	Duplicate	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 7059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-4887-1	B38136	Total/NA	Water	7196A	
300-4887-2	B38132	Total/NA	Water	7196A	
300-4887-3	B38128	Total/NA	Water	7196A	
300-4887-4	B38057	Total/NA	Water	7196A	
300-4887-5	B38068	Total/NA	Water	7196A	
300-4887-6	B38141	Total/NA	Water	7196A	
300-4887-7	B38143	Total/NA	Water	7196A	
300-4887-8	B38139	Total/NA	Water	7196A	
300-4887-9	B38123	Total/NA	Water	7196A	
300-4887-10	B38125	Total/NA	Water	7196A	
300-4887-11	B38050	Total/NA	Water	7196A	
300-4887-12	B38121	Total/NA	Water	7196A	
300-4887-13	B38137	Total/NA	Water	7196A	
300-4887-14	B38129	Total/NA	Water	7196A	

QC Association Summary

Client: CH2M Hill Plateau Remediation Company
Project/Site: W17-001

TestAmerica Job ID: 300-4887-1
SDG: WC1852

General Chemistry (Continued)

Analysis Batch: 7059 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
300-4887-15	B38058	Total/NA	Water	7196A	
300-4887-16	B38133	Total/NA	Water	7196A	
MB 300-7059/3	Method Blank	Total/NA	Water	7196A	
LCS 300-7059/4	Lab Control Sample	Total/NA	Water	7196A	
300-4887-1 MS	B38136	Total/NA	Water	7196A	
300-4887-1 DU	B38136	Total/NA	Water	7196A	

Lab Chronicle

Client: CH2M Hill Plateau Remediation Company
Project/Site: W17-001

TestAmerica Job ID: 300-4887-1
SDG: WC1852

Client Sample ID: B38136
Date Collected: 01/31/17 07:45
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-1
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			7059	01/31/17 16:39	HR	TAL RCH

Client Sample ID: B38132
Date Collected: 01/31/17 07:45
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-2
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			7059	01/31/17 16:39	HR	TAL RCH

Client Sample ID: B38128
Date Collected: 01/31/17 07:45
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-3
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			7059	01/31/17 16:40	HR	TAL RCH

Client Sample ID: B38057
Date Collected: 01/31/17 07:45
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-4
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			7059	01/31/17 16:40	HR	TAL RCH

Client Sample ID: B38068
Date Collected: 01/31/17 10:48
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-5
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			7059	01/31/17 16:40	HR	TAL RCH

Client Sample ID: B38141
Date Collected: 01/31/17 10:48
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-6
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			7059	01/31/17 16:40	HR	TAL RCH

Lab Chronicle

Client: CH2M Hill Plateau Remediation Company
Project/Site: W17-001

TestAmerica Job ID: 300-4887-1
SDG: WC1852

Client Sample ID: B38143
Date Collected: 01/31/17 10:48
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-7
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	7196A		1			7059	01/31/17 16:44	HR	TAL RCH

Client Sample ID: B38139
Date Collected: 01/31/17 10:48
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-8
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			7059	01/31/17 16:44	HR	TAL RCH

Client Sample ID: B38123
Date Collected: 01/31/17 12:45
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-9
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			7059	01/31/17 16:44	HR	TAL RCH

Client Sample ID: B38125
Date Collected: 01/31/17 12:45
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-10
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			7059	01/31/17 16:45	HR	TAL RCH

Client Sample ID: B38050
Date Collected: 01/31/17 12:45
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-11
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			7059	01/31/17 16:45	HR	TAL RCH

Client Sample ID: B38121
Date Collected: 01/31/17 12:45
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-12
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	7196A		1			7059	01/31/17 16:45	HR	TAL RCH

Lab Chronicle

Client: CH2M Hill Plateau Remediation Company
Project/Site: W17-001

TestAmerica Job ID: 300-4887-1
SDG: WC1852

Client Sample ID: B38137
Date Collected: 01/31/17 09:56
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-13
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	7196A		1			7059	01/31/17 16:46	HR	TAL RCH

Client Sample ID: B38129
Date Collected: 01/31/17 09:56
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-14
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			7059	01/31/17 16:48	HR	TAL RCH

Client Sample ID: B38058
Date Collected: 01/31/17 09:56
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-15
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			7059	01/31/17 16:49	HR	TAL RCH

Client Sample ID: B38133
Date Collected: 01/31/17 09:56
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-16
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			7059	01/31/17 16:49	HR	TAL RCH

Client Sample ID: B38008
Date Collected: 01/31/17 09:25
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-17
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			7041	02/01/17 01:19	ALR	TAL RCH
Total/NA	Analysis	300.0		2			7042	02/01/17 01:19	ALR	TAL RCH
Total/NA	Analysis	300.0		5			7041	02/01/17 08:20	ALR	TAL RCH

Client Sample ID: B38056
Date Collected: 01/31/17 09:56
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-18
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			7041	02/01/17 01:34	ALR	TAL RCH
Total/NA	Analysis	300.0		2			7042	02/01/17 01:34	ALR	TAL RCH
Total/NA	Analysis	300.0		20			7042	02/01/17 08:35	ALR	TAL RCH

Lab Chronicle

Client: CH2M Hill Plateau Remediation Company
Project/Site: W17-001

TestAmerica Job ID: 300-4887-1
SDG: WC1852

Client Sample ID: B38055
Date Collected: 01/31/17 07:45
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-19
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			7041	02/01/17 02:19	ALR	TAL RCH
Total/NA	Analysis	300.0		2			7042	02/01/17 02:19	ALR	TAL RCH

Client Sample ID: B38067
Date Collected: 01/31/17 10:48
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-20
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			7041	02/01/17 02:34	ALR	TAL RCH
Total/NA	Analysis	300.0		2			7042	02/01/17 02:34	ALR	TAL RCH
Total/NA	Analysis	300.0		10			7041	02/01/17 09:05	ALR	TAL RCH
Total/NA	Analysis	300.0		10			7042	02/01/17 09:05	ALR	TAL RCH

Client Sample ID: B38063
Date Collected: 01/31/17 12:17
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-21
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			7041	02/01/17 02:50	ALR	TAL RCH
Total/NA	Analysis	300.0		2			7042	02/01/17 02:50	ALR	TAL RCH
Total/NA	Analysis	300.0		20			7041	02/01/17 09:20	ALR	TAL RCH
Total/NA	Analysis	300.0		20			7042	02/01/17 09:20	ALR	TAL RCH

Client Sample ID: B38049
Date Collected: 01/31/17 12:45
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4887-22
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			7041	02/01/17 03:05	ALR	TAL RCH
Total/NA	Analysis	300.0		2			7042	02/01/17 03:05	ALR	TAL RCH
Total/NA	Analysis	300.0		20			7041	02/01/17 09:35	ALR	TAL RCH
Total/NA	Analysis	300.0		20			7042	02/01/17 09:35	ALR	TAL RCH

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

Lab Sample ID: MB 300-7041/5
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			7041	01/31/17 20:18	ALR	TAL RCH

Lab Chronicle

Client: CH2M Hill Plateau Remediation Company
Project/Site: W17-001

TestAmerica Job ID: 300-4887-1
SDG: WC1852

Client Sample ID: Method Blank
Lab Sample ID: MB 300-7042/5

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			7042	01/31/17 20:18	ALR	TAL RCH

Client Sample ID: Method Blank
Lab Sample ID: MB 300-7059/3

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			7059	01/31/17 16:35	HR	TAL RCH

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 300-7041/6

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			7041	01/31/17 20:33	ALR	TAL RCH

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 300-7042/6

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			7042	01/31/17 20:33	ALR	TAL RCH

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 300-7059/4

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			7059	01/31/17 16:36	HR	TAL RCH

Client Sample ID: B38136
Lab Sample ID: 300-4887-1 MS

Date Collected: 01/31/17 07:45
Matrix: Water
Date Received: 01/31/17 15:00

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			7059	01/31/17 16:36	HR	TAL RCH

Lab Chronicle

Client: CH2M Hill Plateau Remediation Company
Project/Site: W17-001

TestAmerica Job ID: 300-4887-1
SDG: WC1852

Client Sample ID: Matrix Spike

Date Collected: 01/31/17 09:40
Date Received: 01/31/17 15:00

Lab Sample ID: 300-4890-A-1 MS

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			7041	02/01/17 00:34	ALR	TAL RCH
Total/NA	Analysis	300.0		2			7042	02/01/17 00:34	ALR	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: W17-001

TestAmerica Job ID: 300-4887-1
SDG: WC1852

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	TAL RCH
7196A	Chromium, Hexavalent	SW846	TAL RCH

Protocol References:

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

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: CH2M Hill Plateau Remediation Company
Project/Site: W17-001

TestAmerica Job ID: 300-4887-1
SDG: WC1852

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
300-4887-1	B38136	Water	01/31/17 07:45	01/31/17 15:00
300-4887-2	B38132	Water	01/31/17 07:45	01/31/17 15:00
300-4887-3	B38128	Water	01/31/17 07:45	01/31/17 15:00
300-4887-4	B38057	Water	01/31/17 07:45	01/31/17 15:00
300-4887-5	B38068	Water	01/31/17 10:48	01/31/17 15:00
300-4887-6	B38141	Water	01/31/17 10:48	01/31/17 15:00
300-4887-7	B38143	Water	01/31/17 10:48	01/31/17 15:00
300-4887-8	B38139	Water	01/31/17 10:48	01/31/17 15:00
300-4887-9	B38123	Water	01/31/17 12:45	01/31/17 15:00
300-4887-10	B38125	Water	01/31/17 12:45	01/31/17 15:00
300-4887-11	B38050	Water	01/31/17 12:45	01/31/17 15:00
300-4887-12	B38121	Water	01/31/17 12:45	01/31/17 15:00
300-4887-13	B38137	Water	01/31/17 09:56	01/31/17 15:00
300-4887-14	B38129	Water	01/31/17 09:56	01/31/17 15:00
300-4887-15	B38058	Water	01/31/17 09:56	01/31/17 15:00
300-4887-16	B38133	Water	01/31/17 09:56	01/31/17 15:00
300-4887-17	B38008	Water	01/31/17 09:25	01/31/17 15:00
300-4887-18	B38056	Water	01/31/17 09:56	01/31/17 15:00
300-4887-19	B38055	Water	01/31/17 07:45	01/31/17 15:00
300-4887-20	B38067	Water	01/31/17 10:48	01/31/17 15:00
300-4887-21	B38063	Water	01/31/17 12:17	01/31/17 15:00
300-4887-22	B38049	Water	01/31/17 12:45	01/31/17 15:00

Login Sample Receipt Checklist

Client: CH2M Hill Plateau Remediation Company

Job Number: 300-4887-1
SDG Number: WC1852

Login Number: 4887
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	