

June 18, 2015

Analytical Data Package Prepared For
CH2M Hill Plateau Remediation

Chemical Analysis By
TestAmerica Inc

2800 G.W. Way, Richland Wa, 99354, (509)-375-3131.

Assigned Laboratory Code: TARL
Data Package Contains 37 Pages

Report No.: 66202

Results in this report relate only to the sample(s) analyzed.

SDG No.	Order No.	Client Sample ID (List Order)	Lot-Sa No.	Work Order	Report DB ID	Batch No.
WC0070	I15-026	B312R4 DUP	J5E110419-2	M6R1M1AD	M6R1M1AD	5131041
WC0071	X15-031	B310H9	J5E110421-4	M6R131AA	M6R131AA	5131040
		B310J0	J5E110421-3	M6R121AA	M6R121AA	5131040
		B310J2	J5E110421-5	M6R141AA	M6R141AA	5131040
		B310J3	J5E110421-6	M6R151AA	M6R151AA	5131040
		B310J5	J5E110421-8	M6R171AA	M6R171AA	5131040
		B310J6	J5E110421-7	M6R161AA	M6R161AA	5131040
		B310J7	J5E110421-13	M6R2D1AA	M6R2D1AA	5131041
		B310J9	J5E110421-12	M6R2C1AA	M6R2C1AA	5131040
		B310J9 DUP	J5E110421-12	M6R2C1AC	M6R2C1AC	5131040
		B310K0	J5E110421-11	M6R2A1AA	M6R2A1AA	5131040
		B310K2	J5E110421-2	M6R111AA	M6R111AA	5131040
		B310K3	J5E110421-1	M6R101AA	M6R101AA	5131040
		B310K5	J5E120439-4	M6TEW1AA	M6TEW1AA	5132082
		B310K6	J5E120439-3	M6TEV1AA	M6TEV1AA	5132082
		B310K7	J5E120439-2	M6TET1AA	M6TET1AA	5132082
		B310K8	J5E120439-1	M6TER1AA	M6TER1AA	5132082
		B310M0	J5E120439-18	M6TFD1AA	M6TFD1AA	5132082
		B310M1	J5E120439-17	M6TFC1AA	M6TFC1AA	5132082
		B310M3	J5E120439-19	M6TFE1AA	M6TFE1AA	5132082
		B310M4	J5E120439-20	M6TFF1AA	M6TFF1AA	5132082
		B310M4 DUP	J5E120439-20	M6TFF1AC	M6TFF1AC	5132082
	X15-031	B310M6	J5E120439-21	M6TFG1AA	M6TFG1AA	5132083
		B310M7	J5E120439-22	M6TFH1AA	M6TFH1AA	5132083
		B310M9	J5E120439-12	M6TE61AA	M6TE61AA	5132082
		B310N0	J5E120439-11	M6TE51AA	M6TE51AA	5132082

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SDG No.	Order No.	Client Sample ID (List Order)	Lot-Sa No.	Work Order	Report DB ID	Batch No.	
WC0071	X15-031	B310N2	J5E120439-14	M6TE81AA	M6TE81AA	5132082	
		B310N3	J5E120439-13	M6TE71AA	M6TE71AA	5132082	
		B310N5	J5E120439-16	M6TFA1AA	M6TFA1AA	5132082	
		B310N6	J5E120439-15	M6TE91AA	M6TE91AA	5132082	
		B310N8	J5E120439-8	M6TE21AA	M6TE21AA	5132082	
		B310N9	J5E120439-7	M6TE11AA	M6TE11AA	5132082	
		B310P1	J5E120439-10	M6TE41AA	M6TE41AA	5132082	
		B310P2	J5E120439-9	M6TE31AA	M6TE31AA	5132082	
	X15-031	X15-031	B310P4	J5E120439-5	M6TEX1AA	M6TEX1AA	5132082
			B310P5	J5E120439-6	M6TE01AA	M6TE01AA	5132082
			B310P7	J5E110421-10	M6R191AA	M6R191AA	5131040
		X15-031	B310P8	J5E110421-9	M6R181AA	M6R181AA	5131040
			B310R0	J5E120439-33	M6TFW1AA	M6TFW1AA	5132083
			B310R1	J5E120439-34	M6TFX1AA	M6TFX1AA	5132083
			B310R3	J5E120439-35	M6TF01AA	M6TF01AA	5132083
	X15-031	X15-031	B310R4	J5E120439-36	M6TF11AA	M6TF11AA	5132083
			B310R5	J5E120439-37	M6TF21AA	M6TF21AA	5132083
		B310R6	J5E120439-38	M6TF31AA	M6TF31AA	5132083	
		B310R6 DUP	J5E120439-38	M6TF31AC	M6TF31AC	5132083	
		B310R8	J5E120439-31	M6TFT1AA	M6TFT1AA	5132083	
		B310R9	J5E120439-32	M6TFV1AA	M6TFV1AA	5132083	
		B310T1	J5E120439-28	M6TFP1AA	M6TFP1AA	5132083	
		B310T2	J5E120439-27	M6TFN1AA	M6TFN1AA	5132083	
		B310T4	J5E120439-29	M6TFQ1AA	M6TFQ1AA	5132083	
		B310T5	J5E120439-30	M6TFR1AA	M6TFR1AA	5132083	
	X15-031	X15-031	B310T7	J5E120439-24	M6TFK1AA	M6TFK1AA	5132083
			B310T8	J5E120439-23	M6TFJ1AA	M6TFJ1AA	5132083
			B310V0	J5E120439-26	M6TFM1AA	M6TFM1AA	5132083
			B310V1	J5E120439-25	M6TFL1AA	M6TFL1AA	5132083

June 18, 2015

Report No.: 66202

Results in this report relate only to the sample(s) analyzed.

SDG No. Order No. Client Sample ID (List Order) Lot-Sa No. Work Order Report DB ID Batch No.

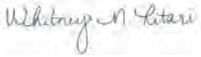
Sample Date: 5/11/2015

Receipt Date: 5/11/2015

Data Deliverable: 6/24/2015

I certify that this Certificate of Analysis is in compliance with the SOW, both technically and for completeness, for other than the conditions detailed above. 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 following signature.

Reviewed and Approved:



Digitally signed by Whitney Ritari
Date: 2015.06.24 16:41:04 -07'00'

Project Manager



Certificate of Analysis

CH2M Hill Plateau Remediation Company
P.O. Box 1600
Mail Stop – R3-60
Richland, WA 99352

June 24, 2015

Attention: Scot Fitzgerald

SAF Number	:	X15-031
Date SDG Closed	:	May 25, 2015
Number of Samples	:	Fifty-One (51)
Sample Type	:	Water
SDG Number	:	WC0071
Data Deliverable	:	30-Day / Summary

CASE NARRATIVE

I. Introduction

Between May 11, 2015 and May 12, 2105, fifty-one samples were received at TestAmerica (TARL). Upon receipt, the samples were assigned laboratory ID numbers to correspond with the CH2M specific IDs.

II. Sample Receipt

The samples were received in good condition and no anomalies were noted during check-in.

III. Analytical Results/Methodology

The analytical results for this report are presented by laboratory sample ID. Each set of data includes sample identification information, analytical results and the appropriate associated statistical errors.

The requested analyses were:

Chemical Analysis

Hexavalent Chromium by EPA method 7196A

Anions, Ion Chromatography by EPA method 300.0

CH2M Hill Plateau Remediation Company
June 24, 2015

IV. Quality Control

The analytical results for each analysis performed includes a minimum of one laboratory control sample (LCS), one method (reagent) blank, and one duplicate sample analysis. Any exceptions have been noted in the "Comments" section.

The sample/ sample duplicate agreement is not applicable if one or both results are less than five times the MDL.

QC and sample results are reported in the same units.

V. Comments

Chemical Analysis

Hexavalent Chromium by EPA method 7196A

No analytical or quality issues were noted. The sample results and associated batch QC results are within contractual requirements.

Anions, Ion Chromatography by EPA method 300.0

No analytical or quality issues were noted. The sample results and associated batch QC results are within contractual requirements.

We certify that this data package is in compliance with the SOW, both technically and for completeness, including a full description of, explanation of, and corrective actions for, any and all deviations, from either the analyses requested or the case narrative requested. Release of the data contained in this hard copy data package has been authorized by the Laboratory Analytical Manager (or designee) and the laboratory's client services representative as verified by their signatures on this report.

June 18, 2015

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **X15-031-035** Page 1 of 1

Collector: **CHRIS FULTON CHPRC** Telephone No. **376-4650**

SAF No. **X15-031** Purchase Order/Charge Code **303064**

Project Title: **AQUIFER TUBES, MAY 2015** Ice Chest No. **N/A**

Shipped To (Lab): **TestAmerica Incorporated, Richland** Bill of Lading/Air Bill No. **N/A**

Protocol: **CERCLA** Offsite Property No. **N/A**

Priority: **30 Days** Priority: **PRIORITY**

POSSIBLE SAMPLE HAZARDS/REMARKS

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

SPECIAL INSTRUCTIONS: **N/A** Hold Time: Total Activity Exemption: Yes No

Sample No.	Filter	* Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B310K3	N	MAY 11 2015	1121	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C
B310K2	Y	↓	↓	1x60-mL aG	7196_CR6: COMMON	24 Hours	Cool <=6C

J56110421
WCC0071



Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time	Matrix *
CHRIS FULTON CHPRC			MAY 11 2015 1200	F.M. Hall/CHPRC			MAY 11 2015 1230	DS = Drum Solids DL = Drum Liquids T = Tissue WI = Wipe L = Liquid V = Vegetation A = Air
Relinquished By			MAY 11 2015 1350	Received By			MAY 11 2015 1350	SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air
Relinquished By				Received By	J. Bock, TARL			
Relinquished By				Received By				

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

Disposed By

PRINTED ON 4/6/2015

June 18, 2015

CH2M Hill Plateau Remediation Company

C.O.C. # **X15-031-030**
Page 1 of 1

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

Collector CHRIS FULTON CHPRC	Contact/Requester WATERS-HUSTED, K	Telephone No. 376-4650	
SAF No. X15-031	Sampling Origin HANFORD SITE	Purchase Order/Charge Code 303064	
Project Title AQUIFER TUBES, MAY 2015	Logbook No. HNF-N-506 72/83+84	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 CERCLA	Priority: 30 Days	Offsite Property No. N/A	

POSSIBLE SAMPLE HAZARDS/REMARKS

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

SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes No

N/A

Sample No.	Filter	* Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B310J0	N	W MAY 11 2015	1102	1x60-mL aG	COMMON m6r12	24 Hours	Cool <=6C
B310H9	Y	W ↓	↓	1x60-mL aG	COMMON m6r13	24 Hours	Cool <=6C

JSE110421
W20011

Relinquished By CHRIS FULTON CHPRC	Date/Time MAY 11 2015 1230	Print 	Sign F.M. Hall/CHPRC	Received By F.M. Hall/CHPRC	Date/Time MAY 11 2015 1230	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
Relinquished By CHRIS FULTON CHPRC	Date/Time MAY 11 2015 1350	Print 	Sign J. Bock, TARA	Received By J. Bock, TARA	Date/Time MAY 11 2015 1350	
Relinquished By	Date/Time	Print	Sign	Received By	Date/Time	
Relinquished By	Date/Time	Print	Sign	Received By	Date/Time	

FINAL SAMPLE DISPOSITION

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

Disposed By _____ Date/Time _____

June 18, 2015

Collector: **CHRIS FULTON** CHPRC
 SAF No.: **X15-031**
 Project Title: **AQUIFER TUBES, MAY 2015**
 Shipped To (Lab): **TestAmerica Incorporated, Richland**
 Protocol: **CERCLA**
 Contact/Requester: **WATERS-HUSTED, K** Telephone No.: **376-4650**
 Sampling Origin: **HANFORD SITE** Purchase Order/Charge Code: **303064**
 Logbook No.: **HNF-N-506 72-83** Ice Chest No.: **N/A**
 Method of Shipment: **GOVERNMENT VEHICLE** Bill of Lading/Air Bill No.: **N/A**
 Priority: **30 Days** Offsite Property No.: **N/A**

POSSIBLE SAMPLE HAZARDS/REMARKS
 *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/ATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.
 SPECIAL INSTRUCTIONS: **N/A** Hold Time: Total Activity Exemption: Yes No

Sample No.	Filter	* Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B310J2	Y	MAY 11 2015	1050	1x60-mL aG	7196_CR6: COMMON <i>m/6214</i>	24 Hours	Cool <=6C
B310J3	N	↓	↓	1x60-mL aG	7196_CR6: COMMON <i>m/6215</i>	24 Hours	Cool <=6C

556110421
w/coolant

Relinquished By CHRIS FULTON CHPRC	Print <i>[Signature]</i>	Sign <i>[Signature]</i>	Date/Time MAY 11 2015 1230	Received By F.M. Hall/CHPRC	Print <i>[Signature]</i>	Sign <i>[Signature]</i>	Date/Time MAY 11 2015 1230	Matrix *
Relinquished By F.M. Hall/CHPRC	Print <i>[Signature]</i>	Sign <i>[Signature]</i>	Date/Time MAY 11 2015 1350	Received By J. BOCK, TARL	Print <i>[Signature]</i>	Sign <i>[Signature]</i>	Date/Time MAY 11 2015 1350	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
Relinquished By			Date/Time	Received By			Date/Time	
Relinquished By			Date/Time	Received By			Date/Time	
FINAL SAMPLE DISPOSITION				Disposal Method (e.g., Return to customer, per lab procedure, used in process)				Date/Time

June 18, 2015

CH2M Hill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **X15-031-032**

Page 1 of 1

Collector: **CHRIS FULTON CHPRC**

SAF No.: **X15-031**

Project Title: **AQUIFER TUBES, MAY 2015**

Shipped To (Lab): **TestAmerica Incorporated, Richland**

Protocol: **CERCLA**

Contact/Requester: **WATERS-HUSTED, K**

Telephone No.: **376-4650**

Sampling Origin: **HANFORD SITE**

Purchase Order/Charge Code: **303064**

Logbook No.: **HNF-N-506 7283**

Ice Chest No.: **N/A**

Method of Shipment: **GOVERNMENT VEHICLE**

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

Priority: **30 Days PRIORITY**

Offsite Property No.: **N/A**

POSSIBLE SAMPLE HAZARDS/REMARKS

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

SPECIAL INSTRUCTIONS: **N/A**

Hold Time: _____

Total Activity Exemption: Yes No

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B310J6	N		MAY 11 2015	1039	1x60-mL aG	7196_CR6: COMMON MURKIN	24 Hours	Cool <=6C
B310J5	Y		↓	↓	1x60-mL aG	7196_CR6: COMMON MURKIN	24 Hours	Cool <=6C

55E110421
WCOONI

Relinquished By CHRIS FULTON CHPRC	Print 	Sign	Date/Time MAY 11 2015 1230	Received By F.M. HALL/CHPRC	Print 	Sign	Date/Time MAY 11 2015 1230	Matrix *
Relinquished By F.M. HALL/CHPRC	Print 	Sign	Date/Time MAY 11 2015 1350	Received By J. BOCK, TARK	Print 	Sign	Date/Time MAY 11 2015 1350	Matrix *
Relinquished By			Date/Time	Received By			Date/Time	Matrix *
Relinquished By			Date/Time	Received By			Date/Time	Matrix *

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 4/6/2015

A-6004-842 (REV 2)

June 18, 2015

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **X15-031-050**
Page 1 of 1

Collector: **CHRIS FULTON GHPRC**
 SAF No.: **X15-031**
 Project Title: **AQUIFER TUBES, MAY 2015**
 Shipped To (Lab): **TestAmerica Incorporated, Richland**
 Protocol: **CERCLA**

Contact/Requester: **WATERS-HUSTED, K**
 Telephone No.: **376-4650**
 Sampling Origin: **HANFORD SITE**
 Purchase Order/Charge Code: **303064**
 Logbook No.: **HNF-N-506 72184**
 Ice Chest No.: **N/A**
 Method of Shipment: **GOVERNMENT VEHICLE**
 Bill of Lading/Air Bill No.: **N/A**
 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: **N/A**
 Hold Time: _____
 Total Activity Exemption: Yes No

Sample No.	Filter	#	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B310P8	N	1	MAY 11 2015	1150	1x60-mL aG	COMMON	24 Hours	Cool <=6C
B310P7	Y	1	↓	↓	1x60-mL aG	COMMON	24 Hours	Cool <=6C

35E110421
W200M1

Relinquished By	Signature	Date/Time	Received By	Signature	Date/Time	Matrix *
CHRIS FULTON GHPRC		MAY 11 2015 1700	F.M. HANFORD/CHPRC		MAY 11 2015 1230	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
F.M. HANFORD/CHPRC		MAY 11 2015 1350	J. Bock, TARL		MAY 11 2015 1350	
Received By			Received By			
Received By			Received By			
Received By			Received By			

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

Dispersed By _____ Date/Time _____

PRINTED ON 4/6/2015 A-6004-842 (REV 2)

June 18, 2015

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

CH2MHill Plateau Remediation Company
 Collector: CHRIS FULTON
 SAF No.: X15-031
 Project Title: AQUIFER TUBES, MAY 2015
 Shipped To (Lab): TestAmerica Incorporated, Richland
 Protocol: CERCLA

Contact/Requester: WATERS-HUSTED, K
 Telephone No.: 376-4650
 Sampling Origin: HANFORD SITE
 Purchase Order/Charge Code: 303064
 Logbook No.: HNF-N-506 72-84
 Ice Chest No.: N/A
 Method of Shipment: GOVERNMENT VEHICLE
 Bill of Lading/Air Bill No.: N/A
 Priority: 30 Days **PRIORITY**
 Offsite Property No.: N/A

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

SPECIAL INSTRUCTIONS
 N/A

Total Activity Exemption: Yes No

Sample No.	Filter	* Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B310K0	N	MAY 11 2015	1132	1x60-mL aG	7196_CR6: COMMON <i>ml of 2A</i>	24 Hours	Cool <=6C
B310J9	Y	↓	↓	1x60-mL aG	7196_CR6: COMMON <i>ml of 2C</i>	24 Hours	Cool <=6C

*556110421
WCOONI*

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time	Matrix *
CHRIS FULTON CHPRC			MAY 11 2015 1230	F.M. Hall/CHPRC			MAY 11 2015 1230	S = Soil, SE = Sediment, SO = Solid, SL = Sludge, W = Water, O = Oil, A = Air, DS = Drum Solids, DL = Drum Liquids, T = Tissue, WI = Wipe, L = Liquid, V = Vegetation, X = Other
Relinquished By			MAY 11 2015 1350	J. BOCK, TARL			MAY 11 2015 1350	
Relinquished By								
Relinquished By								

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

June 18, 2015

CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C. # X15-031-033 Page 1 of 1
Collector CHRIS FULTON <small>CHPRC</small>	Contact/Requester WATERS-HUSTED, K	Telephone No. 376-4650		
SAF No. X15-031	Sampling Origin HANFORD SITE	Purchase Order/Charge Code 303064		
Project Title AQUIFER TUBES, MAY 2015	Logbook No. HNF-N-506 72 / 83	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 CERCLA	Priority: 30 Days	Offsite Property No. N/A		
POSSIBLE SAMPLE HAZARDS/REMARKS <small>*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.</small>		SPECIAL INSTRUCTIONS N/A	Hold Time 30 Days	Total Activity Exemption: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Sample No. B310J7	Filter N	Date MAY 11 2015 1039	No/Type Container 1x500-ML P	Holding Time 48 Hours
		Sample Analysis COMMON ML2AD	Preservative Cool <=6C	

JSE110421
WCOON1

Relinquished By CHRIS FULTON <small>CHPRC</small>	Print 	Sign 	Date/Time MAY 11 2015 1330	Received By F.M. HALL/CHPRC	Print 	Sign 	Date/Time MAY 11 2015 1230	Matrix * S = Soil DS = Drum Solids SE = Sediment DL = Drum Liquids SO = Solid T = Tissue SL = Sludge W1 = Wipe W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other
Relinquished By F.M. HALL/CHPRC	Print 	Sign 	Date/Time MAY 11 2015 1350	Received By J. BOCK, TARL	Print 	Sign 	Date/Time MAY 11 2015 1350	
Relinquished By 	Print 	Sign 	Date/Time 	Received By 	Print 	Sign 	Date/Time 	
Relinquished By 	Print 	Sign 	Date/Time 	Received By 	Print 	Sign 	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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Date/Time Received: 5-11-15/1350 Container GM Screen Result: (Airlock) 20 cpm Initials B
Sample GM Screen Result (Sample Receiving) 20 cpm Initials B

Client: Pbw SDG #: WCO071 SAF #: 715-031 NA []

Lot Number: J5E110421

Chain of Custody # 715-031-035; -030; 031; -032; -050; -034; -033

Shipping Container ID or Air Bill Number : _____ NA B

Samples received inside shipping container/cooler/box Yes B] Continue with 1 through 4. Initial appropriate response,
No []] Go to 5, add comment to #16.

- 1. Custody Seals on shipping container intact? Yes [] No [] No Custody Seal B]
- 2. Custody Seals dated and signed? Yes [] No [] No Custody Seal B]
- 3. Cooler temperature: 5.8 °C Ice NA []
- 4. Vermiculite/packing materials is NA B] Wet [] Dry []

Item 5 through 16 for samples. Initial appropriate response.

- 5. Chain of Custody record present? Yes B] No []
- 6. Number of samples received (Each sample may contain multiple bottles): 2 B 5-11-15 13
- 7. Containers received: 12 x 60ml LAB; 1 x 500 mlp

- 8. Sample holding times exceeded? NA [] Yes [] No B]
- 9. Samples have: _____ tape _____ hazard labels B custody seals B appropriate sample labels
- 10. Matrix: _____ A (FLT, Wipe, Solid, Soil) B I (Water) _____ S (Air, Niosh 7400) _____ T (Biological, Ni-63)

11. Samples: B are in good condition _____ are leaking _____ are broken
B have air bubbles (Only for samples requiring no head space) _____ Other _____

12. Sample pH appropriate for analysis requested Yes B] No [] NA []
(If acidification is necessary go to pH area & document sample ID, initial pH, amount of HNO₃ added and pH after addition on table)

13. Were any anomalies identified in sample receipt? Yes [] No B]

14. Description of anomalies (include sample numbers): NA B]

15. Sample Location, Sample Collector Listed on COC? * Yes B] No []
*For documentation only. No corrective action needed.

16. Additional Information: N/A

[] Client/Courier denied temperature check. B] Client/Courier unpack cooler.

Sample Check-in List completed by Sample Custodian:
Signature: [Signature] Date: 5-11-15

Client Notification needed? Yes [] No WMA Date: _____
By: _____
Person contacted: _____

WMA No action necessary; process as is
Project Manager Whitney M. Letari Date 5/12/15

CH2MHill Plateau Remediation Company
CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST
 C.O.C. # **X15-031-037**
 Page 1 of 1

Collector **CHRIS FULTON** Telephone No. **376-4650**
 CHPRC
 SAF No. **X15-031** Purchase Order/Charge Code **303064**
 Project Title **AQUIFER TUBES, MAY 2015** Ice Chest No. **N/A**
 Shipped To (Lab) **TestAmerica Incorporated, Richland** Bill of Lading/Air Bill No. **N/A**
 Protocol **CERCLA** Offsite Property No. **N/A**

POSSIBLE SAMPLE HAZARDS/REMARKS
 *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/DATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.
 SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes No
 N/A

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B310K8	N		MAY 12 2015	0715	1x60-mL aG	7196_CR6: COMMON MGTET	24 Hours	Cool <=6C
B310K7	Y		↓	↓	1x60-mL aG	7196_CR6: COMMON MGTET	24 Hours	Cool <=6C



J5E120439
W20071

Relinquished By CHRIS FULTON CHPRC	Sign 	Date/Time MAY 12 2015 1410	Received By J. Friesz, TARL	Sign 	Date/Time MAY 12 2015 1410
Relinquished By		Date/Time	Received By		Date/Time
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

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June 18, 2015

CH2M Hill Plateau Remediation Company

C.O.C. # **X15-031-036**

Page 1 of 1

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

Collector: **CHRIS FULTON CHPRC** Telephone No. **376-4650**

SAF No. **X15-031** Purchase Order/Charge Code **303064**

Project Title: **AQUIFER TUBES, MAY 2015** Ice Chest No. **N/A**

Shipped To (Lab): **TestAmerica Incorporated, Richland** Bill of Lading/Air Bill No. **N/A**

Protocol: **CERCLA** Offsite Property No. **N/A**

Priority: **30 Days** **PRIORITY**

POSSIBLE SAMPLE HAZARDS/REMARKS

SPECIAL INSTRUCTIONS: **Hold Time** Total Activity Exemption: Yes No

*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/ATA 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
B310K6	N	W	MAY 12 2015	0857	1x60-mL aG	COMMON	24 Hours	Cool <=6C
B310K5	Y	W	↓	↓	1x60-mL aG	COMMON	24 Hours	Cool <=6C



J5E 120439
WCOOTI

Relinquished By CHRIS FULTON CHPRC	Print <i>[Signature]</i>	Sign	Date/Time MAY 12 2015 1410	Received By J. Friesz, TARL	Print <i>[Signature]</i>	Sign	Date/Time MAY 12 2015 1410	Matrix *
Relinquished By			Date/Time	Received By			Date/Time	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
Relinquished By			Date/Time	Received By			Date/Time	
Relinquished By			Date/Time	Received By			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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June 18, 2015

CH2M Hill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C.#
X15-031-047
Page 1 of 1

Collector CHRIS FULTON CHPRC	Contact/Requester WATERS-HUSTED, K	Telephone No. 376-4650
SAF No. X15-031	Sampling Origin HANFORD SITE	Purchase Order/Charge Code 303064
Project Title AQUIFER TUBES, MAY 2015	Logbook No. HNF-N-506 7285	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 CERCLA	Priority: 30 Days	Offsite Property No. N/A

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

SPECIAL INSTRUCTIONS
N/A

Hold Time
30 Days

Total Activity Exemption: Yes No

Sample No.	Filter	* Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B310N9	N	MAY 17 2015	0946	1x60-mL aG	7196_CR6: COMMON MGTEI	24 Hours	Cool <=6C
B310N8	Y	W ↓	↓	1x60-mL aG	7196_CR6: COMMON MGTEZ	24 Hours	Cool <=6C

JSE 120439
WCC071

Relinquished By CHRIS FULTON CHPRC	Relinquished By CHRIS FULTON CHPRC	Received By J. Friesz, TARL	Sign 	Date/Time MAY 12 2015 1410	Date/Time MAY 12 2015 1410
Relinquished By	Relinquished By	Received By	Sign	Date/Time	Date/Time
Relinquished By	Relinquished By	Received By	Sign	Date/Time	Date/Time
Relinquished By	Relinquished By	Received By	Sign	Date/Time	Date/Time

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

Disposed By

Date/Time

FINAL SAMPLE DISPOSITION

PRINTED O 4/6/2015

A-6004-842 (REV 2)

June 18, 2015

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

Collector: CHRIS FULTON CHPRC
 SAF No.: X15-031
 Project Title: AQUIFER TUBES, MAY 2015
 Shipped To (Lab): TestAmerica Incorporated, Richland
 Protocol: CERCLA

Contact/Requester: WATERS-HUSTED, K
 Sampling Origin: HANFORD SITE
 Logbook No.: HNF-N-506 7285
 Method of Shipment: GOVERNMENT VEHICLE
 Priority: 30 Days

Telephone No.: 376-4650
 Purchase Order/Charge Code: 303064
 Ice Chest No.: N/A
 Bill of Lading/Air Bill No.: N/A
 Offsite Property No.: N/A

PRIORITY

SPECIAL INSTRUCTIONS: N/A

Hold Time: Yes No

Total Activity Exemption: Yes No

*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/ATA Dangerous Goods Regulations but are not releasable per DOE Order 438.1.

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B310P2	N	W	MAY 12 2015	0959	1x60-mL aG	7196_CR6: COMMON MGT E3	24 Hours	Cool <=6C
B310P1	Y	W	↓	↓	1x60-mL aG	7196_CR6: COMMON MGT E4	24 Hours	Cool <=6C

JSE 120439
 WCO071

Relinquished By	Date/Time	Received By	Date/Time	Sign	Date/Time	Matrix *
CHRIS FULTON CHPRC	MAY 12 2015 1410	J. Friesz, TARL	MAY 12 2015 1410			S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air
Relinquished By	Date/Time	Received By	Date/Time	Sign	Date/Time	DS = Drum Solids DL = Drum Liquids T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other
Relinquished By	Date/Time	Received By	Date/Time	Sign	Date/Time	
Relinquished By	Date/Time	Received By	Date/Time	Sign	Date/Time	

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

Disposed By

Final Sample Disposition

PRINTED ON 4/6/2015

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June 18, 2015

CH2M Hill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **X15-031-044**

Page 1 of 1

Collector: **CHRIS FULTON**
CHPRC

SAF No. **X15-031**

Project Title: **AQUIFER TUBES, MAY 2015**

Shipped To (Lab): **TestAmerica Incorporated, Richland**

Protocol: **CERCLA**

Contact/Requester: **WATERS-HUSTED, K**

Telephone No. **376-4650**

Sampling Origin: **HANFORD SITE**

Purchase Order/Charge Code **303064**

Logbook No. **HNF-N-506 72785**

Ice Chest No. **N/A**

Method of Shipment: **GOVERNMENT VEHICLE**

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

Priority: **30 Days**

Offsite Property No. **N/A**

POSSIBLE SAMPLE HAZARDS/REMARKS

*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/101.110 Dangerous Goods Regulations but are not releasable per DOE Order 458.1.

SPECIAL INSTRUCTIONS: **N/A**

Hold Time: _____

Total Activity Exemption: Yes No

Sample No.	Filter	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B310N0	N	MAY 12 2015	1013	1x60-mL aG	M&TES	24 Hours	Cool <=6C
B310M9	Y	↓	↓	1x60-mL aG	M&TEG	24 Hours	Cool <=6C

J5E120439
wcoo71

Relinquished By CHRIS FULTON CHPRC	Relinquished By J. Piesz, TARL	Date/Time MAY 12 2015 1410	Date/Time MAY 12 2015 1410
Relinquished By	Received By	Date/Time	Date/Time
Relinquished By	Received By	Date/Time	Date/Time
Relinquished By	Received By	Date/Time	Date/Time

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

Disposed By _____ Date/Time _____

FINAL SAMPLE DISPOSITION

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June 18, 2015

J5E120439
W10071

CH2M Hill Plateau Remediation Company

C.O.C. # **X15-031-046**

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CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

Collector: **CHRIS FULTON CHPRC**

SAF No.: **X15-031**

Project Title: **AQUIFER TUBES, MAY 2015**

Shipped To (Lab): **TestAmerica Incorporated, Richland**

Protocol: **CERCLA**

Contact/Requester: **WATERS-HUSTED, K**

Telephone No.: **376-4650**

Sampling Origin: **HANFORD SITE**

Purchase Order/Charge Code: **303064**

Logbook No.: **HNF-N-506 7288**

Ice Chest No.: **N/A**

Method of Shipment: **GOVERNMENT VEHICLE**

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

Priority: **30 Days PRIORITY**

Offsite Property No.: **N/A**

POSSIBLE SAMPLE HAZARDS/REMARKS

SPECIAL INSTRUCTIONS: **N/A**

Hold Time: _____

Total Activity Exemption: Yes No

*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/ATA.Dangerous Goods Regulations but are not releasable per DOE Order 438.1.

Sample No.	Filter	* Date	Time	No./Type Container	Sample Analysis	Holding Time	Preservative
B310N6	N	MAY 12 2015	1033	1x60-mL aG	7196_CR6: COMMON M6TE9	24 Hours	Cool <=6C
B310N5	Y	W ↓	↓	1x60-mL aG	7196_CR6: COMMON M6TFA	24 Hours	Cool <=6C

Relinquished By CHRIS FULTON CHPRC	Print 	Sign	Received By J. Friesz, TARL	Print 	Date/Time MAY 12 2015 1410	Date/Time MAY 12 2015 1410
Relinquished By			Received By		Date/Time	Date/Time
Relinquished By			Received By		Date/Time	Date/Time
Relinquished By			Received By		Date/Time	Date/Time

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

Dispersed By _____ Date/Time _____

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

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CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C.#
X15-031-041
Page 1 of 1

Collector	CHRIS FULTON CHPRC	Contact/Requester	WATERS-HUSTED, K	Telephone No.	376-4650
SAF No.	X15-031	Sampling Origin	HANFORD SITE	Purchase Order/Charge Code	303064
Project Title	AQUIFER TUBES, MAY 2015	Logbook No.	HNF-N-506 72/85	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	CERCLA	Priority:	30 Days	Offsite Property No.	N/A

POSSIBLE SAMPLE HAZARDS/REMARKS
 *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/ATA Dangerous Goods Regulations but are not releasable per DOE Order 438.1.

SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes No
 N/A

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B310M1	N	W	MAY 12 2015	1053	1x60-mL aG	COMMON M6TFC	24 Hours	Cool <=6C
B310M0	Y	W	↓	↓	1x60-mL aG	COMMON M6TFD	24 Hours	Cool <=6C

June 18, 2015

JSE120439
wrc0071

Relinquished By CHRIS FULTON CHPRC	Print 	Sign	Date/Time MAY 12 2015 1410	Received By J. Friesz, TARL	Print 	Sign	Date/Time MAY 12 2015 1410	Matrix *
Relinquished By			Date/Time	Received By			Date/Time	S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air
Relinquished By			Date/Time	Received By			Date/Time	DS = Drum Solids DL = Drum Liquids T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other
Relinquished By			Date/Time	Received By			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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June 18, 2015

J5E120429
W00071

CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C.# X15-031-042			
Telephone No. 376-4650		Page 1 of 1					
Collector CHRIS FULTON CHPRC	Contact/Requester WATERS-HUSTED, K	Purchase Order/Charge Code 303064					
SAF No. X15-031	Sampling Origin HANFORD SITE	Ice Chest No. N/A					
Project Title AQUIFER TUBES, MAY 2015	Logbook No. HNF-N-506 7285+86	Bill of Lading/Air Bill No. N/A					
Shipped To (Lab) TestAmerica Incorporated, Richland	Method of Shipment GOVERNMENT VEHICLE	Offsite Property No. N/A					
Protocol CERCLA	Priority: 30 Days	SPECIAL INSTRUCTIONS PRIORITY	Hold Time	Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
POSSIBLE SAMPLE HAZARDS/REMARKS *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/DATA Dangerous Goods Regulations but are not releasable per DOE Order 438.1.							
Sample No.	Filter *	Date	Time	No./Type Container	Sample Analysis	Holding Time	Preservative
B310M3	Y	MAY 12 2015	1102	1x60-mL aG	MGTFE	24 Hours	Cool <=6C
B310M4	N	↓	↓	1x60-mL aG	MGTFE	24 Hours	Cool <=6C

Relinquished By CHRIS FULTON CHPRC	Date/Time MAY 12 2015 1410	Received By J. Friesz, TARL	Date/Time MAY 12 2015 1410	Sign 	Matrix *
Relinquished By	Date/Time	Received By	Date/Time	Sign	S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air
Relinquished By	Date/Time	Received By	Date/Time	Sign	DS = Drum Solids DL = Drum Liquids T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other
Disposal Method (e.g., Return to customer, per lab procedure, used in process)					
FINAL SAMPLE DISPOSITION	Disposed By				
PRINTED ON 4/6/2015	A-6004-842 (REV 2)				

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CH2M Hill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **X15-031-043**

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Collecter: **CHRIS FULTON**
CHPRC

SAF No.: **X15-031**

Project Title: **AQUIFER TUBES, MAY 2015**

Shipped To (Lab): **TestAmerica Incorporated, Richland**

Protocol: **CERCLA**

Contact/Requester: **WATERS-HUSTED, K**

Sampling Origin: **HANFORD SITE**

Logbook No.: **HNF-N-506 72 85480**

Method of Shipment: **GOVERNMENT VEHICLE**

Priority: **30 Days**

Telephone No.: **376-4650**

Purchase Order/Charge Code: **303064**

Ice Chest No.: **N/A**

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

Offsite Property No.: **N/A**

POSSIBLE SAMPLE HAZARDS/REMARKS

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

SPECIAL INSTRUCTIONS: **N/A**

Hold Time: _____

Total Activity Exemption: Yes No

Sample No.	Filter	* Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B310M6	Y	MAY 17 2015	11:10	1x60-mL aG	7196_CR6: COMMON MGTFG	24 Hours	Cool <=6C
B310M7	N	↓	↓	1x60-mL aG	7196_CR6: COMMON MGTFFH	24 Hours	Cool <=6C

JSE120439
WCO071

Relinquished By CHRIS FULTON -CHPRC	Print 	Sign	Received By J. Friesz, TARL	Print 	Sign	Date/Time MAY 12 2015 1410	Date/Time MAY 12 2015 1410
Relinquished By			Received By			Date/Time	Date/Time
Relinquished By			Received By			Date/Time	Date/Time
Relinquished By			Received By			Date/Time	Date/Time

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

Disposed By _____ Date/Time _____

FINAL SAMPLE DISPOSITION

PRINTED ON 4/6/2015

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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

June 18, 2015

CH2M Hill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C.#

X15-031-057

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Collector	CHRIS FULTON GHPRC	Contact/Requester	WATERS-HUSTED, K	Telephone No.	376-4650
SAF No.	X15-031	Sampling Origin	HANFORD SITE	Purchase Order/Charge Code	303064
Project Title	AQUIFER TUBES, MAY 2015	Logbook No.	HNF-N-506 <u>7285484</u>	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	CERCLA	Priority:	30 Days	Offsite Property No.	N/A

POSSIBLE SAMPLE HAZARDS/REMARKS
 *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/LATA 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
B310T8	N	MAY 12 2015	1128	1x60-mL aG	7196_CR6: COMMON M ₁₆ TFJ	24 Hours	Cool <=6C
B310T7	Y	W	↓	1x60-mL aG	7196_CR6: COMMON M ₁₆ TFK	24 Hours	Cool <=6C

JFER0439
W00571

Relinquished By CHRIS FULTON GHPRC	Print 	Sign	Date/Time MAY 12 2015 1410	Received By J. Friesz, TARL	Print 	Sign	Date/Time MAY 12 2015 1410
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

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FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process)	Disposed By	Date/Time
PRINTED ON 4/6/2015			

June 18, 2015

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

Collector: CHRIS FULTON
 SAF No.: X15-031
 Project Title: AQUIFER TUBES, MAY 2015
 Shipped To (Lab): TestAmerica Incorporated, Richland
 Protocol: CERCLA

Contact/Requester: WATERS-HUSTED, K
 Sampling Origin: HANFORD SITE
 Logbook No.: HNF-N-506 7285F80
 Method of Shipment: GOVERNMENT VEHICLE
 Priority: 30 Days
 Telephone No.: 376-4650
 Purchase Order/Charge Code: 303064
 Ice Chest No.: N/A
 Bill of Lading/Air Bill No.: N/A
 Offsite Property No.: N/A

SPECIAL INSTRUCTIONS: N/A
 Hold Time: Total Activity Exemption: Yes No

Sample No.	Filter	* Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B310V1	N	MAY 12 2015	1138	1x60-mL aG	MGTFL	24 Hours	Cool <=6C
B310V0	Y	↓	↓	1x60-mL aG	MGTFM	24 Hours	Cool <=6C

POSSIBLE SAMPLE HAZARDS/REMARKS
 *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/ATA.Dangerous Goods Regulations but are not releasable per DOE Order 438.1.

35E120439
 W50071

Relinquished By	Date/Time	Received By	Date/Time	Sign	Print	Date/Time	Matrix *
CHRIS FULTON CHPRC	MAY 12 2015 1410	J. Friesz, TARL	MAY 12 2015 1410	[Signature]	[Print]		S = Soil, SE = Sediment, SO = Solid, SL = Sludge, W = Water, O = Oil, A = Air, DS = Drum Solids, DL = Drum Liquids, I = Tissue, WI = Wipe, L = Liquid, V = Vegetation, X = Other
Relinquished By	Date/Time	Received By	Date/Time	Sign	Print	Date/Time	
Relinquished By	Date/Time	Received By	Date/Time	Sign	Print	Date/Time	
Relinquished By	Date/Time	Received By	Date/Time	Sign	Print	Date/Time	

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

June 18, 2015

CH2M Hill Plateau Remediation Company
CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST
 C.O.C.# **X15-031-055**
 Page 1 of 1

Collector: **CHRIS FULTON CHPRC**
 Telephone No. **376-4650**
 SAF No. **X15-031**
 Purchase Order/Charge Code **303064**
 Project Title: **AQUIFER TUBES, MAY 2015**
 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: **CERCLA**
 Offsite Property No. **N/A**
 Priority: **30 Days**
PRIORITY
 SPECIAL INSTRUCTIONS: **N/A**
 Hold Time: _____
 Total Activity Exemption: Yes No

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

Sample No.	Filter	* Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B310T2	N	MAY 12 2015	1153	1x60-mL aG	MGTFN	24 Hours	Cool <=6C
B310T1	Y	W	↓	1x60-mL aG	MGTFP	24 Hours	Cool <=6C

JSE 120439
 WCO071

Relinquished By CHRIS FULTON CHPRC	Print 	Sign	Received By J. Friesz, TARL	Print 	Sign	Date/Time MAY 12 2015 1410	Matrix *
Relinquished By			Received By			Date/Time	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
Relinquished By			Received By			Date/Time	
Relinquished By			Received By			Date/Time	
Disposal Method (e.g., Return to customer, per lab procedure, used in process)							Date/Time
FINAL SAMPLE DISPOSITION							Date/Time

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CH2M Hill Plateau Remediation Company

C.O.C.#
X15-031-056
Page 1 of 1

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

Collector: **CHRIS FULTON** Telephone No. 376-4650
 SAF No. X15-031 Purchase Order/Charge Code 303064
 Project Title: **AQUIFER TUBES, MAY 2015** Ice Chest No. N/A
 Shipped To (Lab): **TestAmerica Incorporated, Richland** Bill of Lading/Air Bill No. N/A
 Protocol: **CERCLA** Priority: **30 Days** Offsite Property No. N/A

POSSIBLE SAMPLE HAZARDS/REMARKS

SPECIAL INSTRUCTIONS: Hold Time Total Activity Exemption: Yes No
 N/A

Sample No.	Filter	* Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B310T4	Y	MAY 12 2015	1203	1x60-mL aG	COMMON M6TFQ	24 Hours	Cool <=6C
B310T5	N	↓	↓	1x60-mL aG	COMMON M6TFR	24 Hours	Cool <=6C

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

J5E120439
WC6071

Relinquished By CHRIS FULTON CHPRC	Sign 	Date/Time MAY 12 2015 1410	Received By J. Friesz, TARL	Sign 	Date/Time MAY 12 2015 1410	Matrix *
Relinquished By		Date/Time	Received By		Date/Time	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
Relinquished By		Date/Time	Received By		Date/Time	
Relinquished By		Date/Time	Received By		Date/Time	
FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process)					Date/Time

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PRINTED O 4/6/2015 A-6004-842 (REV 2)

June 18, 2015

CH2M Hill Plateau Remediation Company

C.O.C. # **X15-031-054**
Page 1 of 1

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

Collector: CHRIS FULTON
 SAF No.: X15-031
 Project Title: AQUIFER TUBES, MAY 2015
 Shipped To (Lab): TestAmerica Incorporated, Richland
 Protocol: CERCLA

Contact/Requester: WATERS-HUSTED, K
 Sampling Origin: HANFORD SITE
 Logbook No.: HNF-N-506 72 84
 Method of Shipment: GOVERNMENT VEHICLE
 Priority: 30 Days **PRIORITY**

Telephone No.: 376-4650
 Purchase Order/Charge Code: 303064
 Ice Chest No.: N/A
 Bill of Lading/Air Bill No.: N/A
 Offsite Property No.: N/A

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

SPECIAL INSTRUCTIONS: N/A
 Hold Time: _____
 Total Activity Exemption: Yes No

Sample No.	Filter	Date	Time	No./Type Container	Sample Analysis	Holding Time	Preservative
B310R8	Y	MAY 12 2015	1232	1x60-mL aG	M6TFT	24 Hours	Cool <=6C
B310R9	N	↓	↓	1x60-mL aG	M6TFTV	24 Hours	Cool <=6C

Handwritten: J5E120439
WCO071

Relinquished By CHRIS FULTON CHPRC	Print 	Sign	Date/Time MAY 12 2015 1410	Received By J. Friesz, TARL	Print 	Sign	Date/Time MAY 12 2015 1410
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

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

FINAL SAMPLE DISPOSITION

PRINTED ON 4/6/2015

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June 18, 2015

J5E120439
W C0071

CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C. # X15-031-051	
Collector CHRIS FULTON CHPRC		Contact/Requester WATERS-HUSTED, K		Telephone No. 376-4650	
SAF No. X15-031		Sampling Origin HANFORD SITE		Purchase Order/Charge Code 303064	
Project Title AQUIFER TUBES, MAY 2015		Logbook No. HNF-N-506		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 CERCLA		Priority: 30 Days		Offsite Property No. N/A	
POSSIBLE SAMPLE HAZARDS/REMARKS *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.					
SPECIAL INSTRUCTIONS N/A					
Sample No.		Filter *		Date	
B310R0		Y		W MAY 12 2015 1248	
B310R1		N		W ↓	
No/Type Container		Time		Sample Analysis	
1x60-mL aG		7196_CR6: COMMON		M6TFW	
1x60-mL aG		7196_CR6: COMMON		M6TFX	
Holding Time		Hold Time		Preservative	
24 Hours		24 Hours		Cool <=6C	
24 Hours		24 Hours		Cool <=6C	
Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					

Relinquished By CHRIS FULTON CHPRC		Received By J. Friesz, TARL		Date/Time MAY 12 2015 1410	
Relinquished By		Received By		Date/Time	
Relinquished By		Received By		Date/Time	
Relinquished By		Received By		Date/Time	
Disposal Method (e.g., Return to customer, per lab procedure, used in process)		Disposed By		Date/Time	
PRINTED O 4/6/2015		A-6004-842 (REV 2)			

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CH2M Hill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **X15-031-052**

Page 1 of 1

Collector: **CHRIS FULTON CHPRC**

SAF No.: **X15-031**

Project Title: **AQUIFER TUBES, MAY 2015**

Shipped To (Lab): **TestAmerica Incorporated, Richland**

Protocol: **CERCLA**

Contact/Requester: **WATERS-HUSTED, K**

Sampling Origin: **HANFORD SITE**

Logbook No.: **HNF-N-506 T28U**

Method of Shipment: **GOVERNMENT VEHICLE**

Priority: **30 Days**

Telephone No.: **376-4650**

Purchase Order/Charge Code: **303064**

Ice Chest No.: **N/A**

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

Offsite Property No.: **N/A**

POSSIBLE SAMPLE HAZARDS/REMARKS

*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/ATA Dangerous Goods Regulations but are not releasable per DOE Order 438.1.

SPECIAL INSTRUCTIONS: **N/A**

Hold Time: _____

Total Activity Exemption: Yes No

Sample No.	Filter	* Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B310R3	Y	W MAY 12 2015	1257	1x60-mL aG	7196_CR6: COMMON M6TFO	24 Hours	Cool <=6C
B310R4	N	W ↓	ψ	1x60-mL aG	7196_CR6: COMMON M6TFFI	24 Hours	Cool <=6C

JSE 120439
W00071

Relinquished By CHRIS FULTON CHPRC	Signature 	Date/Time MAY 12 2015 1410	Received By J. Friesz, TARL	Signature 	Date/Time MAY 12 2015 1410
Relinquished By		Date/Time	Received By		Date/Time
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

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FINAL SAMPLE DISPOSITION

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

Dispersed By _____ Date/Time _____

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CH2MHill Plateau Remediation Company

C.O.C. # **X15-031-053**
Page 1 of 1

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

Collector CHRIS FULTON <small>CHPRC</small>	Contact/Requester WATERS-HUSTED, K	Telephone No. 376-4650	
SAF No. X15-031	Sampling Origin HANFORD SITE	Purchase Order/Charge Code 303064	
Project Title AQUIFER TUBES, MAY 2015	Logbook No. HNF-N-506 72/84	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 CERCLA	Priority: 30 Days	Offsite Property No. N/A	

POSSIBLE SAMPLE HAZARDS/REMARKS

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

SPECIAL INSTRUCTIONS **N/A** Hold Time **30 Days** Total Activity Exemption: Yes No

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B310R5	Y	W	MAY 12 2015	1257	1x60-mL aG	7196_CR6: COMMON M6TFZ	24 Hours	Cool <=6C
B310R6	N	W	↓	↓	1x60-mL aG	7196_CR6: COMMON M6TF3	24 Hours	Cool <=6C

J5E120439
WCO071

Relinquished By CHRIS FULTON <small>CHPRC</small>	Print 	Received By J. Friesz, TARL	Print
Relinquished By	Date/Time MAY 12 2015 1410	Date/Time MAY 12 2015 1410	Date/Time 1410
Relinquished By	Date/Time	Date/Time	Date/Time
Relinquished By	Date/Time	Date/Time	Date/Time
Relinquished By	Date/Time	Date/Time	Date/Time

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

Disposed By _____ Date/Time _____

FINAL SAMPLE DISPOSITION	Matrix *														
	<table style="width: 100%; font-size: 0.8em;"> <tr> <td>S = Soil</td> <td>DS = Drum Solids</td> </tr> <tr> <td>SE = Sediment</td> <td>DL = Drum Liquids</td> </tr> <tr> <td>SO = Solid</td> <td>T = Tissue</td> </tr> <tr> <td>SL = Sludge</td> <td>WI = Wipe</td> </tr> <tr> <td>W = Water</td> <td>L = Liquid</td> </tr> <tr> <td>O = Oil</td> <td>V = Vegetation</td> </tr> <tr> <td>A = Air</td> <td>X = Other</td> </tr> </table>	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
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														

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Date/Time Received: 5/12/15 1410 Container GM Screen Result: (Airlock) 40 cpm Initials []
Sample GM Screen Result (Sample Receiving) 0 cpm Initials [

Client: PGW SDG #: WX0071 SAF #: X15-031 NA []

Lot Number: J5E120439

Chain of Custody # X15-031-037, 036, 049, 047, 048, 044, 045, 046, 041, 042, 043, 057, 058, 055, 056, 054, 051, 052, 053

Shipping Container ID or Air Bill Number : _____ NA []

Samples received inside shipping container/cooler/box Yes [] Continue with 1 through 4. Initial appropriate response.
No [] Go to 5, add comment to #16.

- 1. Custody Seals on shipping container intact? Yes [] No [] No Custody Seal []
- 2. Custody Seals dated and signed? Yes [] No [] No Custody Seal []
- 3. Cooler temperature: 4.8 °C ON ICE NA []
- 4. Vermiculite/packing materials is NA [] Wet [] Dry []

Item 5 through 16 for samples. Initial appropriate response.

- 5. Chain of Custody record present? Yes [] No []
- 6. Number of samples received (Each sample may contain multiple bottles): 38
- 7. Containers received: 36 x 60ml bag

- 8. Sample holding times exceeded? NA [] Yes [] No []
- 9. Samples have: _____ tape _____ hazard labels custody seals appropriate sample labels
- 10. Matrix: _____ A (FLT, Wipe, Solid, Soil) I (Water) _____ S (Air, Niosh 7400) _____ T (Biological, Ni-63)
- 11. Samples: are in good condition _____ are leaking _____ are broken
_____ have air bubbles (Only for samples requiring no head space) _____ Other _____

- 12. Sample pH appropriate for analysis requested Yes [] No [] NA []
(If acidification is necessary go to pH area & document sample ID, initial pH, amount of HNO₃ added and pH after addition on table)
- 13. Were any anomalies identified in sample receipt? Yes [] No []
- 14. Description of anomalies (include sample numbers): NA [] _____

15. Sample Location, Sample Collector Listed on COC? * Yes [] No []
*For documentation only. No corrective action needed.

16. Additional Information: N/A

[] Client/Courier denied temperature check. [] Client/Courier unpack cooler.

Sample Check-in List completed by Sample Custodian:
Signature: _____ Date: 5/12/15

Client Notification needed? Yes [] No [] Date: _____
By: _____
Person contacted: _____

No action necessary, process as is
Project Manager [Signature] Date 5/13/15

June 18, 2015

Sample Results Summary

Date: 24-Jun-15

TestAmerica Inc TARL

Ordered by Method, Batch No., Client Sample ID.

Report No. : 66202

SDG No: WC0071

Batch Client ID	Date Sampled	Work Order No.	Parameter	Result	Qual	Units	MDL	RL	Date Analyzed	Dil Fct
5131040 7196_CR6 ,WATER										
B310H9	05/11/15 11:02	M6R131AA	HEXCHROME	0.00980		mg/L	0.0015	0.004	05/11/15 17:40	1
B310J0	05/11/15 11:02	M6R121AA	HEXCHROME	0.00950		mg/L	0.0015	0.004	05/11/15 17:39	1
B310J2	05/11/15 10:50	M6R141AA	HEXCHROME	0.00620		mg/L	0.0015	0.004	05/11/15 17:40	1
B310J3	05/11/15 10:50	M6R151AA	HEXCHROME	0.00650		mg/L	0.0015	0.004	05/11/15 17:40	1
B310J5	05/11/15 10:39	M6R171AA	HEXCHROME	0.00910		mg/L	0.0015	0.004	05/11/15 17:41	1
B310J6	05/11/15 10:39	M6R161AA	HEXCHROME	0.00760		mg/L	0.0015	0.004	05/11/15 17:41	1
B310J9	05/11/15 11:32	M6R2C1AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	05/11/15 17:45	1
B310K0	05/11/15 11:32	M6R2A1AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	05/11/15 17:44	1
B310K2	05/11/15 11:21	M6R111AA	HEXCHROME	<0.00150	B	mg/L	0.0015	0.004	05/11/15 17:39	1
B310K3	05/11/15 11:21	M6R101AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	05/11/15 17:36	1
B310P7	05/11/15 11:50	M6R191AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	05/11/15 17:44	1
B310P8	05/11/15 11:50	M6R181AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	05/11/15 17:44	1
5131041 300.0_ANIONS_IC ,WATER										
B310J7	05/11/15 10:39	M6R2D1AA	Chloride	5.54	D	mg/L	0.2	0.4	05/12/15 11:25	2
			Fluoride	0.146	D	mg/L	0.05	0.1		2
			Nitrite as N	<0.0380	U D	mg/L	0.038	0.076		2
			Nitrate as N	1.95	D	mg/L	0.028	0.056		2
			Sulfate	32.3	D	mg/L	0.25	0.5		2
5132082 7196_CR6 ,WATER										
B310K5	04/12/15 8:57	M6TEW1AA	HEXCHROME	0.00360	B	mg/L	0.0015	0.004	05/12/15 17:48	1
B310K6	04/12/15 8:57	M6TEV1AA	HEXCHROME	0.00360	B	mg/L	0.0015	0.004	05/12/15 17:48	1
B310K7	04/12/15 7:15	M6TET1AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	05/12/15 17:47	1
B310K8	04/12/15 7:15	M6TER1AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	05/12/15 17:44	1
B310M0	04/12/15 10:53	M6TFD1AA	HEXCHROME	<0.00150	B	mg/L	0.0015	0.004	05/12/15 17:58	1
B310M1	04/12/15 10:53	M6TFC1AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	05/12/15 17:57	1
B310M3	04/12/15 11:02	M6TFE1AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	05/12/15 17:59	1
B310M4	04/12/15 11:02	M6TFF1AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	05/12/15 17:59	1
B310M9	04/12/15 10:13	M6TE61AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	05/12/15 17:53	1
B310N0	04/12/15 10:13	M6TE51AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	05/12/15 17:53	1
B310N2	04/12/15 10:23	M6TE81AA	HEXCHROME	0.00330	B	mg/L	0.0015	0.004	05/12/15 17:54	1
B310N3	04/12/15 10:23	M6TE71AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	05/12/15 17:54	1
B310N5	04/12/15 10:33	M6TFA1AA	HEXCHROME	0.00620		mg/L	0.0015	0.004	05/12/15 17:57	1
B310N6	04/12/15 10:33	M6TE91AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	05/12/15 17:57	1
B310N8	04/12/15 9:46	M6TE21AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	05/12/15 17:52	1
B310N9	04/12/15 9:46	M6TE11AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	05/12/15 17:49	1
B310P1	04/12/15 9:59	M6TE41AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	05/12/15 17:53	1

TestAmerica Inc
 rptTALRchSample
 SumC2 V5.3.7
 A2002

B Qual - The analyte was detected at a value less than the reporting limit (RL), but greater than or equal to the MDL.
 U Qual - Analyzed for but not detected above limiting criteria, Mdc/Mda/Mdl, Total Uncert, RDL or not identified by gamma scan software.
 D Qual - The reported value is from a dilution

June 18, 2015

Sample Results Summary

Date: 24-Jun-15

TestAmerica Inc TARL

Ordered by Method, Batch No., Client Sample ID.

Report No. : 66202

SDG No: WC0071

Batch Client ID	Date Sampled	Work Order No.	Parameter	Result	Qual	Units	MDL	RL	Date Analyzed	Dil Fct
5132082 7196_CR6 ,WATER										
B310P2	04/12/15 9:59	M6TE31AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	05/12/15 17:53	1
B310P4	04/12/15 9:27	M6TEX1AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	05/12/15 17:48	1
B310P5	04/12/15 9:27	M6TE01AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	05/12/15 17:49	1
5132083 7196_CR6 ,WATER										
B310M6	04/12/15 11:10	M6TFG1AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	05/12/15 19:20	1
B310M7	04/12/15 11:10	M6TFH1AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	05/12/15 19:23	1
B310R0	04/12/15 12:48	M6TFW1AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	05/12/15 19:30	1
B310R1	04/12/15 12:48	M6TFX1AA	HEXCHROME	0.00350	B	mg/L	0.0015	0.004	05/12/15 19:30	1
B310R3	04/12/15 12:57	M6TF01AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	05/12/15 19:33	1
B310R4	04/12/15 12:57	M6TF11AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	05/12/15 19:33	1
B310R5	04/12/15 12:57	M6TF21AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	05/12/15 19:33	1
B310R6	04/12/15 12:57	M6TF31AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	05/12/15 19:34	1
B310R8	04/12/15 12:32	M6TFT1AA	HEXCHROME	0.00780		mg/L	0.0015	0.004	05/12/15 19:29	1
B310R9	04/12/15 12:32	M6TFV1AA	HEXCHROME	0.00810		mg/L	0.0015	0.004	05/12/15 19:29	1
B310T1	04/12/15 11:53	M6TFP1AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	05/12/15 19:28	1
B310T2	04/12/15 11:53	M6TFN1AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	05/12/15 19:25	1
B310T4	04/12/15 12:03	M6TFQ1AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	05/12/15 19:29	1
B310T5	04/12/15 12:03	M6TFR1AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	05/12/15 19:29	1
B310T7	04/12/15 11:28	M6TFK1AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	05/12/15 19:24	1
B310T8	04/12/15 11:28	M6TFJ1AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	05/12/15 19:24	1
B310V0	04/12/15 11:38	M6TFM1AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	05/12/15 19:25	1
B310V1	04/12/15 11:38	M6TFL1AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	05/12/15 19:24	1

No. of Results: 55

June 18, 2015

QC Results Summary
TestAmerica Inc TARL
Ordered by Method, Batch No, QC Type,.

Date: 24-Jun-15

Report No. : 66202

SDG No.: WC0070

Table with columns: Batch, Work Work No., Parameter, Result, Qual, Units, LCS Recovery, MDL, RL, RPD, Dil Fct. Contains data for 7196_CR6, 300.0_ANIONS_IC, and 7196_CR6.

June 18, 2015

QC Results Summary
TestAmerica Inc TARL
Ordered by Method, Batch No, QC Type,.

Date: 24-Jun-15

Report No. : 66202

SDG No.: WC0071

Batch	Work Work No.	Parameter	Result	Qual	Units	LCS Recovery	MDL	RL	RPD	Dil Fct
5132083 DUP, B310R6 DUP	M6TF31AC	HEXCHROME	<0.00150	U	mg/L		0.0015	0.004	-400.0	1
5132083 BLANK,	M6THW1AA	HEXCHROME	<0.00150	U	mg/L		0.0015	0.004		1
5132083 LCS,	M6THW1AC	HEXCHROME	0.245		mg/L	98%	0.0015	0.004		1

No. of Results: 32

TestAmerica Inc U Qual - Analyzed for but not detected above limiting criteria, Mdc/Mda/Mdl, Total Uncert, RDL or not identified by gamma scan software.

rptTALRchQcSum
maryC V5.3.7
A2002