

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 15 Pages

Report No.: 67248

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.
WC0089	W15-006	B317P9 DUP	J5F220418-1	M64NH1AD	M64NH1AD	5174024
WC0094	X15-033	B31949	J5F220419-7	M64NT1AA	M64NT1AA	5174024
		B31951	J5F220419-6	M64NR1AA	M64NR1AA	5173048
		B31951 DUP	J5F220419-6	M64NR1AC	M64NR1AC	5173048
		B31953	J5F220419-5	M64NQ1AA	M64NQ1AA	5173048
		B31955	J5F220419-1	M64NL1AA	M64NL1AA	5173048
		B31956	J5F220419-2	M64NM1AA	M64NM1AA	5173048
		B31958	J5F220419-8	M64NV1AA	M64NV1AA	5174024
		B31960	J5F220419-4	M64NP1AA	M64NP1AA	5173048
		B31962	J5F220419-3	M64NN1AA	M64NN1AA	5173048
		B31994	J5F240423-1	M642X1AA	M642X1AA	5175038
		B31994 DUP	J5F240423-1	M642X1AD	M642X1AD	5175038

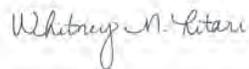
Sample Date: 6/22/2015

Receipt Date: 6/22/2015

Data Deliverable: 9/29/2015

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: 2015.09.29 13:30:29 -07'00'

Project Manager



Certificate of Analysis

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

September 29, 2015

July 16, 2015

Attention: Scot Fitzgerald

SAF Number	:	X15-033
Date SDG Closed	:	June 30, 2015
Number of Samples	:	Nine (9)
Sample Type	:	Water
SDG Number	:	WC0094
Data Deliverable	:	30- Day/ Summary

AMENDED CASE NARRATIVE

September 29, 2015, This report has been amended in response to P&D generated on 8/13/15. All amended information in this case narrative will be bold, underlined and italicized.

I. Introduction

Between June 22, 2015 and June 24, 2015, nine 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

September 29, 2015

July 16, 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 RPD 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

Sample B31994 results are now included in the amended report. 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.

Problem and Discrepancy Report

TARL

WC0094

08/13/15

The data package has the following issues:

The hard copy and EDD are missing results for sample B31994. Also, B31994 is not listed on the sample receipt page 1.

Resolution: *Provide correction.*

Lab Response: **The EDD and report have been revised to include the missing sample results.**

Please correct the issue and submit the hard copy data and electronic packages.

Provide a resolution to each issue noted on the report

Page 1 of 1

Page 4 of 15

SAMPLE ISSUE RESOLUTION

SIR NUM	SIR16-095
REV NUM	0
DATE INITIATED	11/12/2015

SAMPLE EVENT INFORMATION

SAF NUM(S) X15-033
OPERABLE UNIT(S) 100-BC-5
PROJECT(S) CERC15
SAMPLE EVENT TITLE(S) CERC15
LABORATORY TestAmerica Incorporated, Richland

SAMPLING INFORMATION

NUMBER OF SAMPLES 2
SAMPLE NUMBERS B31955, B31956
SAMPLE MATRIX WATER
COLLECTION DATE 6/22/2015 - 6/22/2015
SDG NUM WC0094

ISSUE BACKGROUND

CLASS Chain of Custody Issue (Field)
TYPE No/Illegible Relinquisher/Receiver Listed on COC
DESCRIPTION COC # X15-033-088, SAMPLE B31955, B31956.
MISSING PRINTED NAME IN FIRST RELINQUISHED BY BOX.

DISPOSITION

DESCRIPTION DOCUMENT AND CLOSE
JUSTIFICATION DOCUMENT AND CLOSE

SUBMITTED BY: Kira Murray DATE: 11/10/2015
ACCEPTED BY: Kirsten Killand DATE: 11/12/2015

AMENDED REPORT

CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C.# X15-033-088
Collector	Contact/Requester	Karen Waters-Husted	Telephone No.	509-376-4650
SAF No.	Sampling Origin	Hanford Site	Purchase Order/Charge Code	303269
Project Title	Logbook No.	HNF-N-506 12/93	Ice Chest No.	N/A
Shipped To (Lab)	Method of Shipment	GOVERNMENT VEHICLE	Bill of Lading/Air Bill No.	N/A
Protocol	Priority:	7 Days	Offsite Property No.	N/A
POSSIBLE SAMPLE HAZARDS/REMARKS		SPECIAL INSTRUCTIONS		
** 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		Hold Time		
Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Please provide 24-hr preliminary results.		
Sample No.	Filter	Date	Time	No/Type Container
B31955	N	JUN 22 2015	12:10	1x60-mL aG
B31956	Y	W	Y	1x60-mL aG
Sample Analysis		Holding Time		Preservative
7196_CR6: COMMON		24 Hours		Cool <=6C
M64NL		24 Hours		Cool <=6C
M64NM				



J5F220419
SDG# WCO094

300-92 Chain of Custody

Relinquished By	Received By	Date/Time	Signature	Date/Time	Matrix *
Relinquished By J.C. Fulton/CHPRC	Received By J.C. Fulton/CHPRC	JUN 22 2015	<i>[Signature]</i>	JUN 22 2015 1415	S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air
Relinquished By	Received By	Date/Time	Signature	Date/Time	Matrix *
Relinquished By	Received By J. Friesz, TARL	JUN 22 2015	<i>[Signature]</i>	JUN 22 2015 1450	DS = Drum Solids DL = Drum Liquids T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other
Relinquished By	Received By	Date/Time	Signature	Date/Time	Matrix *
Relinquished By	Received By	Date/Time	Signature	Date/Time	Matrix *
FINAL SAMPLE DISPOSITION		Disposal Method (e.g., Return to customer, per lab procedure, used in process)			
PRINTED ON 6/11/2015		FSR ID = FSR276			
		A-6004-842 (REV 2)			

AMENDED REPORT

CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C.# X15-033-090
Collector	S.W. King/CHPRC	Contact/Requester	Karen Waters-Husted	Telephone No. 509-376-4650
SAF No.	X15-033	Sampling Origin	Hanford Site	Purchase Order/Charge Code 303269
Project Title	100-BC-5 RI, JUNE 2015	Logbook No.	HNF-N-506 7293	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:	7 Days	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
 Please provide 24-hr preliminary results.

Sample No.	Filter	* Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B31962	Y	W JUN 22 2015	1254	1x60-mL aG	7196_CR6: COMMON M64NN	24 Hours	Cool <=6C
B31960	N	W JUN 22 2015	1254	1x60-mL aG	7196_CR6: COMMON M64NP	24 Hours	Cool <=6C



J5F220419
WU094

Relinquished By S.W. King/CHPRC	Print <i>[Signature]</i>	Date/Time JUN 22 2015 1415	Received By J.C. Fulton/CHPRC	Print <i>[Signature]</i>	Date/Time JUN 27 2015 1415	Matrix *
Relinquished By J.C. Fulton/CHPRC	Print <i>[Signature]</i>	Date/Time JUN 22 2015 1450	Received By J. Friesz, TARL	Print <i>[Signature]</i>	Date/Time JUN 27 2015 1450	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	Print	Date/Time	Received By	Print	Date/Time	
Relinquished By	Print	Date/Time	Received By	Print	Date/Time	
FINAL SAMPLE DISPOSITION			Disposal Method (e.g., Return to customer, per lab procedure, used in process)			Date/Time
PRINTED ON 6/1/2015			FSR ID = FSR277			A-6004-842 (REV 2)

AMENDED REPORT

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C. # X15-033-087 Page 1 of 1					
CH2M Hill Plateau Remediation Company Collector: S.W. King/CHPRC SAF No.: X15-033 Project Title: 100-BC-5 RI, JUNE 2015 Shipped To (Lab): TestAmerica Incorporated, Richland Protocol: CERCLA		Telephone No.: 509-376-4650 Purchase Order/Charge Code: 303269 Ice Chest No.: N/A Bill of Lading/Air Bill No.: N/A Offsite Property No.: N/A					
Contact/Requester: Karen Waters-Husted Sampling Origin: Hanford Site Logbook No.: HNF-N-506 9243 Method of Shipment: GOVERNMENT VEHICLE Priority: 7 Days 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 regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 438.1							
SPECIAL INSTRUCTIONS Please provide 24-hr preliminary results.							
Sample No.	Filter	Date	Time	No./Type Container	Sample Analysis	Holding Time	Preservative
B31953	Y	JUN 22 2015	1101	1x60-ml. aG	7196_CRE: COMMON M64NR	24 Hours	Cool <=6C
B31951	N	JUN 22 2015	1101	1x60-ml. aG	7196_CRE: COMMON M64NR	24 Hours	Cool <=6C

Relinquished By: S.W. King/CHPRC	Print: [Signature]	Date/Time: JUN 22 2015 1415	Received By: J.C. Fulton/CHPRC	Sign: [Signature]	Date/Time: JUN 22 2015 1415	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: J.C. Fulton/CHPRC	Print: [Signature]	Date/Time: JUN 22 2015 1450	Received By: J. Friesz, TARL	Sign: [Signature]	Date/Time: JUN 22 2015 1450	
Relinquished By: _____	Print: _____	Date/Time: _____	Received By: _____	Sign: _____	Date/Time: _____	
Relinquished By: _____	Print: _____	Date/Time: _____	Received By: _____	Sign: _____	Date/Time: _____	
FINAL SAMPLE DISPOSITION		Disposal Method (e.g., Return to customer, per lab procedure, used in process)		Disposed By		Date/Time

PRINTED ON: 6/7/2015 FSK ID = FSR771 A-6004-842 (REV 2)

J5F220419
W0094

AMENDED REPORT

CH2MHill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C.# X15-033-086 Page 1 of 1
Collector S.W. King/CHPRC X15-033	Contact/Requester Karen Waters-Husted	Telephone No. 509-376-4650	Purchase Order/Charge Code 303269	
Project Title 100-BC-5 RI, JUNE 2015	Sampling Origin Hanford Site	Logbook No. HNF-N-506 72 B	Ice Chest No. N/A	Bill of Lading/Air Bill No. N/A
Shipped To (Lab) TestAmerica Incorporated, Richland	Method of Shipment GOVERNMENT VEHICLE	Priority: 30 Days	Offsite Property No. N/A	Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Protocol CERCLA	SPECIAL INSTRUCTIONS N/A	Hold Time	Preservative Cool <=6C	
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				
Sample No. B31949	Filter N	Date JUN 22 2015	No/Type Container 1x20-mL P	Sample Analysis 300.0_ANIONS_IC: COMMON
		Time 1104	Holding Time 48 Hours	Preservative Cool <=6C
			Sign M64NT	

JJF 220419
 WCC 0094
 TF 6/22/15

Relinquished By S.W. King/CHPRC	Date/Time JUN 22 2015 1415	Received By J.C. Fulton/CHPRC	Date/Time JUN 22 2015 1415	Matrix * S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air
Relinquished By J.C. Fulton/CHPRC	Date/Time JUN 22 2015 1415	Received By J. Friesz, TARL	Date/Time JUN 22 2015 1415	DS = Drum Solids DL = Drum Liquids T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other
Relinquished By [Signature]	Date/Time JUN 22 2015 1415	Received By [Signature]	Date/Time JUN 22 2015 1415	
Relinquished By [Signature]	Date/Time JUN 22 2015 1415	Received By [Signature]	Date/Time JUN 22 2015 1415	
Disposal Method (e.g., Return to customer, per lab procedure, used in process)				
FINAL SAMPLE DISPOSITION	Disposed By	Date/Time		

AMENDED REPORT

CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C.# X15-033-089
Collector S.W. King/CHPRC	Contact/Requester Karen Waters-Husted	Telephone No.	509-376-4650	
SAF No. X15-033	Sampling Origin Hanford Site	Purchase Order/Charge Code	303269	
Project Title 100-BC-5 RI, JUNE 2015	Logbook No. HNF-N-506 12/93	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		SPECIAL INSTRUCTIONS		
** ** 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		Hold Time	Total Activity Exemption: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Sample No.	Filter	Date	Time	No/Type Container
B31958	N	JUN 22 2015	1254	1x20-mL P
				300.0_ANIONS_IC: COMMON
				MB4NV
				Sample Analysis
				Hold Time
				48 Hours
				Preservative
				Cool <=6C

J5F220419
W60094

Relinquished By S.W. King/CHPRC	Received By J.C. Fulton/CHPRC	Date/Time JUN 22 2015 1415	Sign 	Date/Time JUN 22 2015 1415	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 J.C. Fulton/CHPRC	Received By J. Friesz, TARC	Date/Time JUN 22 2015 1450	Sign 	Date/Time JUN 22 2015 1450	
Relinquished By	Received By	Date/Time	Sign	Date/Time	
Relinquished By	Received By	Date/Time	Sign	Date/Time	
FINAL SAMPLE DISPOSITION		Disposal Method (e.g., Return to customer, per lab procedure, used in process)		Date/Time	
PRINTED ON 6/1/2015		FSR ID = FSR277		A-6004-842 (REV 2)	

AMENDED REPORT



Sample Check-in List

THE LEADER IN ENVIRONMENTAL TESTING

Date/Time Received: 6/22/15 1450 Container GM Screen Result: (Airlock) 20 cpm Initials [J]
Sample GM Screen Result (Sample Receiving) 0 cpm Initials [J]

Client: PGW SDG #: WLC0094 SAF #: X15-033 NA []

Lot Number: J5F220419

Chain of Custody # X15-033-088, 090, 087, 086, 089

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

Samples received inside shipping container/cooler/box Yes [J] 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 [J]
2. Custody Seals dated and signed? Yes [] No [] No Custody Seal [J]
3. Cooler temperature: 14.4 C ON ICE NA []
4. Vermiculite/packing materials is NA [J] Wet [] Dry []

Item 5 through 16 for samples. Initial appropriate response.

- 5. Chain of Custody record present? Yes [J] No []
6. Number of samples received (Each sample may contain multiple bottles): 8
7. Containers received: 6x60ml eg, 2x20mlp

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

12. Sample pH appropriate for analysis requested Yes [J] 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 [J]
14. Description of anomalies (include sample numbers): NA [J]

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

16. Additional Information: N/A

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

Sample Check-in List completed by Sample Custodian: Signature: Date: 6/22/15

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

NOVA No action necessary; process as is Project Manager Whitney M. Letari Date 6/23/15

AMENDED REPORT

CH2MHill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C.# X15-033-101
Collector S.W. King/CHPRC	Contact/Requester Karen Waters-Husted	Telephone No. 509-376-4650	Page 1 of 1	
SAF No. X15-033	Sampling Origin Hanford Site	Purchase Order/Charge Code 303269		
Project Title 100-BC-5 RI, JUNE 2015	Logbook No. HNF-N-506 73 / 80	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 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 <input type="checkbox"/> No <input checked="" type="checkbox"/>
Sample No. B31894	Filter N	No./Type Container 1x20-ml P	Sample Analysis 300.0 ANIONS_IC: COMMON	Preservative Cool <=6C
	Date W 6-24-15	Time 11:50 AM	Holding Time 48 Hours	

1001



300-112 Chain of Custody



J5F240423
SDG # W0094

Relinquished By S.W. King/CHPRC	Received By F.M. Hall/CHPRC	Date/Time JUN 24 2015 1150	Date/Time JUN 24 2015 1150	Sign <i>[Signature]</i>	Sign <i>[Signature]</i>	Matrix * S = Soil DS = Drum Solids SB = Sediment DL = Drum Liquids SO = Solid T = Tissue SL = Sludge W = Wipe W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other
Relinquished By F.M. Hall/CHPRC	Received By J. Friesz, TARL	Date/Time JUN 24 2015 1400	Date/Time JUN 24 2015 1400	Sign <i>[Signature]</i>	Sign <i>[Signature]</i>	
Relinquished By	Received By	Date/Time	Date/Time	Sign	Sign	
FINAL SAMPLE DISPOSITION		Disposal Method (e.g., Return to customer, per lab procedure, used in process)		Disposed By		Date/Time
PRINTED ON 6/1/2015		FSR ID = FSR284		A-6004-842 (REV 2)		

AMENDED REPORT

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Check-in List

Date/Time Received: 6/24/15 1400 Container GM Screen Result: (Airlock) 0 cpm Initials [J]
Sample GM Screen Result (Sample Receiving) 0 cpm Initials [J]

Client: PGW SDG #: WC0094 SAF #: X15-033 NA []

Lot Number: J5F240423

Chain of Custody # X15-033-101

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

Samples received inside shipping container/cooler/box Yes [J] 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 [J]
2. Custody Seals dated and signed? Yes [] No [] No Custody Seal [J]
3. Cooler temperature: 8.2 °C with ICE NA []
4. Vermiculite/packing materials is NA [J] Wet [] Dry []

Item 5 through 16 for samples. Initial appropriate response.

- 5. Chain of Custody record present? Yes [J] No []
6. Number of samples received (Each sample may contain multiple bottles): 1
7. Containers received: 1 x 20ml

8. Sample holding times exceeded? NA [] Yes [] No [J]

9. Samples have: tape hazard labels J custody seals J appropriate sample labels

10. Matrix: A (FLT, Wipe, Solid, Soil) J (Water) S (Air, NIOSH 7400) T (Biological, Ni-63)

11. Samples: J 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 [J] 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 [J]

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

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

16. Additional Information: N/A

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

Sample Check-in List completed by Sample Custodian: Signature: Date: 6/24/15
Client Notification needed? Yes [] No [J] Date: By: Person contacted:

no action necessary; process as is
Project Manager Whitney M. Petari Date 6/25/15

Sample Results Summary

Date: 29-Sep-15

TestAmerica Inc TARL

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

Report No. : 67248

SDG No: WC0094

Batch Client ID	Date Sampled	Work Order No.	Parameter	Result	Qual	Units	MDL	RL	Date Analyzed	Dil Fct
5173048 7196_CR6 ,WATER										
B31951	06/22/15 11:04	M64NR1AA	HEXCHROME	0.00540		mg/L	0.0015	0.004	06/22/15 17:17	1
B31953	06/22/15 11:04	M64NQ1AA	HEXCHROME	0.00520		mg/L	0.0015	0.004	06/22/15 17:17	1
B31955	06/22/15 12:10	M64NL1AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	06/22/15 17:13	1
B31956	06/22/15 12:10	M64NM1AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	06/22/15 17:16	1
B31960	06/22/15 12:54	M64NP1AA	HEXCHROME	<0.00150	U	mg/L	0.0015	0.004	06/22/15 17:16	1
B31962	06/22/15 12:54	M64NN1AA	HEXCHROME	0.00440		mg/L	0.0015	0.004	06/22/15 17:16	1
5174024 300.0_ANIONS_IC ,WATER										
B31949	06/22/15 11:04	M64NT1AA	Chloride	6.12	D	mg/L	0.2	0.4	06/23/15 15:10	2
			Fluoride	0.153	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	1.62	D	mg/L	0.028	0.056		2
			Sulfate	29.5	D	mg/L	0.25	0.5		2
B31958	06/22/15 12:54	M64NV1AA	Chloride	6.69	D	mg/L	0.2	0.4	06/23/15 15:25	2
			Fluoride	0.199	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	1.17	D	mg/L	0.028	0.056		2
			Sulfate	26.4	D	mg/L	0.25	0.5		2
5175038 300.0_ANIONS_IC ,WATER										
B31994	06/24/15 10:01	M642X1AA	Chloride	7.26	D	mg/L	0.2	0.4	06/24/15 17:48	2
			Fluoride	0.104	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	1.78	D	mg/L	0.028	0.056		2
			Sulfate	35.3	D	mg/L	0.25	0.5		2

No. of Results: 21

QC Results Summary

Date: 29-Sep-15

TestAmerica Inc TARL

Ordered by Method, Batch No, QC Type,.

Report No. : 67248

SDG No.: WC0094

Batch	Work Work No.	Parameter	Result	Qual	Units	LCS Recovery	MDL	RL	RPD	Dil Fct
7196_CR6										
5173048 DUP, B31951 DUP	M64NR1AC	HEXCHROME	0.00500		mg/L		0.0015	0.004	7.7	1
5173048 MS, B31955	M64NL1AC	HEXCHROME	0.0517		mg/L	103%	0.0015	0.004		1
5173048 BLANK,	M64N61AA	HEXCHROME	<0.00150 U		mg/L		0.0015	0.004		1
5173048 LCS,	M64N61AC	HEXCHROME	0.252		mg/L	101%	0.0015	0.004		1
300.0_ANIONS_IC										
5174024 MS, B317P9	M64NH1AC	Chloride	11.8		mg/L	99%	0.1	0.2		1
		Fluoride	0.179		mg/L	91%	0.025	0.05		1
		Nitrite as N	0.0680		mg/L	86%	0.019	0.038		1
		Nitrate as N	4.62		mg/L	100%	0.014	0.028		1
		Sulfate	30.4		mg/L	100%	0.125	0.25		1
5174024 DUP, B317P9 DUP	M64NH1AD	Chloride	25.5 D		mg/L		0.2	0.4	0.1	2
		Fluoride	0.206 D		mg/L		0.05	0.1	1.0	2
		Nitrite as N	<0.0380 U D		mg/L		0.038	0.076		2
		Nitrate as N	10.1 D		mg/L		0.028	0.056	0.1	2
		Sulfate	165.0 D		mg/L		0.625	1.25	0.2	5
5174024 BLANK,	M64QQ1AA	Chloride	<0.100 U		mg/L		0.1	0.2		1
		Fluoride	<0.0250 U		mg/L		0.025	0.05		1
		Nitrite as N	<0.0190 U		mg/L		0.019	0.038		1
		Nitrate as N	<0.0140 U		mg/L		0.014	0.028		1
		Sulfate	<0.125 U		mg/L		0.125	0.25		1
5174024 LCS,	M64QQ1AC	Chloride	3.94		mg/L	98%	0.1	0.2		1
		Fluoride	0.971		mg/L	97%	0.025	0.05		1
		Nitrite as N	0.734		mg/L	96%	0.019	0.038		1
		Nitrate as N	0.535		mg/L	95%	0.014	0.028		1
		Sulfate	4.81		mg/L	96%	0.125	0.25		1
300.0_ANIONS_IC										
5175038 MS, B31994	M642X1AC	Chloride	3.60		mg/L	98%	0.1	0.2		1
		Fluoride	0.125		mg/L	85%	0.025	0.05		1
		Nitrite as N	0.0700		mg/L	91%	0.019	0.038		1
		Nitrate as N	0.845		mg/L	99%	0.014	0.028		1
		Sulfate	16.2		mg/L	99%	0.125	0.25		1
5175038 DUP, B31994 DUP	M642X1AD	Chloride	7.22 D		mg/L		0.2	0.4	0.5	2
		Fluoride	0.103 D		mg/L		0.05	0.1	1.0	2

TestAmerica Inc rptTALRchQcSummaryC V5.4 A2002
 D Qual - The reported value is from a dilution
 U Qual - Analyzed for but not detected above limiting criteria, Mdc/Mda/Mdl, Total Uncert, RDL or not identified by gamma scan software.

QC Results Summary

TestAmerica Inc TARL

Ordered by Method, Batch No, QC Type,.

Report No. : 67248

SDG No.: WC0094

Batch	Work Work No.	Parameter	Result	Qual	Units	LCS Recovery	MDL	RL	RPD	Dil Fct
5175038 DUP, B31994 DUP	M642X1AD	Nitrite as N	<0.0380	U D	mg/L		0.038	0.076		2
		Nitrate as N	1.77	D	mg/L		0.028	0.056	0.6	2
		Sulfate	35.1	D	mg/L		0.25	0.5	0.4	2
5175038 BLANK,	M64251AA	Chloride	<0.100	U	mg/L		0.1	0.2		1
		Fluoride	<0.0250	U	mg/L		0.025	0.05		1
		Nitrite as N	<0.0190	U	mg/L		0.019	0.038		1
		Nitrate as N	<0.0140	U	mg/L		0.014	0.028		1
		Sulfate	<0.125	U	mg/L		0.125	0.25		1
5175038 LCS,	M64251AC	Chloride	3.90		mg/L	97%	0.1	0.2		1
		Fluoride	0.959		mg/L	96%	0.025	0.05		1
		Nitrite as N	0.727		mg/L	96%	0.019	0.038		1
		Nitrate as N	0.531		mg/L	94%	0.014	0.028		1
		Sulfate	4.83		mg/L	97%	0.125	0.25		1

No. of Results: 44