

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Denver

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Arvada, CO 80002

Tel: (303)736-0100

TestAmerica Job ID: 280-109232-1

TestAmerica Sample Delivery Group: DN0366

Client Project/Site: FRC17-01

For:

CH2M Hill Plateau Remediation Company

PO BOX 1600, MS H8-41

Richland, Washington 99352

Attn: Mr. Scot Fitzgerald



Authorized for release by:

6/5/2018 3:35:50 PM

Darlene Bandy, Project Manager I

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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: CH2M Hill Plateau Remediation Company
Project/Site: FRC17-01

TestAmerica Job ID: 280-109232-1
SDG: DN0366

Job ID: 280-109232-1

Laboratory: TestAmerica Denver

Narrative

CASE NARRATIVE

Client: CH2M Hill Plateau Remediation Company

Project: FRC17-01

Report Number: 280-109232-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 5/2/2018 8:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.8° C.

TOTAL METALS (ICP)

Samples B3J7H0 (280-109232-1), B3J7J8 (280-109232-2), B3J7H3 (280-109232-3), B3J7H6 (280-109232-4), B3J7H9 (280-109232-5), B3J7J2 (280-109232-6) and B3J7J5 (280-109232-7) were analyzed for Total Metals (ICP) in accordance with EPA SW846 6010D. The samples were prepared on 05/10/2018 and analyzed on 05/19/2018.

The accuracy and precision of Calcium in the MS/MSD performed on sample B3J7H0 (280-109232-1) in prep batch 280-413770 could not be reliably calculated due to the sample concentration reading greater than four times the spike amount. Control limits are not applicable and the MS/MSD results have been flagged "X".

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

TOTAL METALS (ICP/MS)

Samples B3J7H0 (280-109232-1), B3J7J8 (280-109232-2), B3J7H3 (280-109232-3), B3J7H6 (280-109232-4), B3J7H9 (280-109232-5), B3J7J2 (280-109232-6) and B3J7J5 (280-109232-7) were analyzed for Total Metals (ICP/MS) in accordance with SW846 6020B. The samples were prepared and analyzed on 05/07/2018.

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

TOTAL DISSOLVED SOLIDS

Samples B3J7H0 (280-109232-1), B3J7J8 (280-109232-2), B3J7H3 (280-109232-3), B3J7H6 (280-109232-4), B3J7H9 (280-109232-5), B3J7J2 (280-109232-6) and B3J7J5 (280-109232-7) were analyzed for total dissolved solids in accordance with SM20 2540C. The samples were analyzed on 05/08/2018.

Constant weight was not achieved after 4 drying cycles for the following samples: B3J7H0 (280-109232-1), B3J7H6 (280-109232-4), B3J7H9 (280-109232-5), B3J7J2 (280-109232-6) and B3J7J5 (280-109232-7). The 4th weight was used for the calculations; this was also the lowest weight for each sample.

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

Case Narrative

Client: CH2M Hill Plateau Remediation Company
Project/Site: FRC17-01

TestAmerica Job ID: 280-109232-1
SDG: DN0366

Job ID: 280-109232-1 (Continued)**Laboratory: TestAmerica Denver (Continued)****TOTAL SUSPENDED SOLIDS**

Samples B3J7H0 (280-109232-1), B3J7J8 (280-109232-2), B3J7H3 (280-109232-3), B3J7H6 (280-109232-4), B3J7H9 (280-109232-5), B3J7J2 (280-109232-6) and B3J7J5 (280-109232-7) were analyzed for total suspended solids in accordance with SM20 2540D. The samples were analyzed on 05/04/2018.

Lower initial volumes were used for the following samples due to slow filtration and high suspended solids: B3J7H6 (280-109232-4), B3J7J2 (280-109232-6) and B3J7J5 (280-109232-7). Elevated reporting limits (RLs) are provided.

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

CORROSIVITY (PH)

Samples B3J7H0 (280-109232-1), B3J7J8 (280-109232-2), B3J7H3 (280-109232-3), B3J7H6 (280-109232-4), B3J7H9 (280-109232-5), B3J7J2 (280-109232-6) and B3J7J5 (280-109232-7) were analyzed for Corrosivity (pH) in accordance with EPA SW-846 9040C. The samples were analyzed on 05/30/2018 and 05/31/2018.

Due to analyst oversight, a project sample specific sample duplicate was not performed for analysis batch 280-417000. It can be noted that standard batch sample duplicate was performed on sample 280-109758-2 and the RPD was within control limits. Parent sample result = 7.29; sample duplicate result = 7.31, RPD = 0.3%, RPD limit = 5%. It was noted that the sample duplicate failed to reach constant pH after three replicates. Results are reportable and are confirmed by parent sample. The following samples in this SDG are impacted: B3J7J8 (280-109232-2), B3J7H9 (280-109232-5), and B3J7J2 (280-109232-6).

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

SPECIFIC CONDUCTIVITY

Samples B3J7H0 (280-109232-1), B3J7J8 (280-109232-2), B3J7H3 (280-109232-3), B3J7H6 (280-109232-4), B3J7H9 (280-109232-5), B3J7J2 (280-109232-6) and B3J7J5 (280-109232-7) were analyzed for specific conductivity in accordance with SW846 9050A. The samples were analyzed on 05/05/2018.

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

TOTAL ORGANIC CARBON

Samples B3J7H0 (280-109232-1), B3J7J8 (280-109232-2), B3J7H3 (280-109232-3), B3J7H6 (280-109232-4), B3J7H9 (280-109232-5), B3J7J2 (280-109232-6) and B3J7J5 (280-109232-7) were analyzed for total organic carbon in accordance with EPA SW-846 Method 9060A. The samples were analyzed on 05/24/2018.

Sample B3J7J5 (280-109232-7)[3.12X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

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 signature on this report.

Reviewed and approved:

Darlene Bandy
Project Manager

Login Sample Receipt Checklist

Client: CH2M Hill Plateau Remediation Company

Job Number: 280-109232-1

SDG Number: DN0366

Login Number: 109232**List Number: 1****Creator: Pottruff, Reed W****List Source: TestAmerica Denver**

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	60 CPM
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.8 C
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 <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

CH2MHill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			FRC17-01-024	PAGE 1 OF 1
COLLECTOR DOWNING, MK <i>DN0366</i>		COMPANY CONTACT MEDLEY, HA	TELEPHONE NO. 373-6909	PROJECT COORDINATOR MEDLEY, HA		REQUIRED TAT 30 Days
SAMPLING LOCATION ERDF LYSIMETER #5		PROJECT DESIGNATION ERDF Lysimeter Sampling - Water		SAF NO. FRC17-01	ORIGINAL	
ICE CHEST NO. <i>ERC-03-104</i>		FIELD LOGBOOK NO. HNF-N-876-1	ACTUAL SAMPLE DEPTH <i>N/A</i>	PURCHASE ORDER/CHARGE CODE <i>30442+ 304782 @ 4/5/18</i>	METHOD OF SHIPMENT FEDERAL EXPRESS	
SHIPPED TO TestAmerica Denver		OFFSITE PROPERTY NO. <i>PTR# 9391</i>		BILL OF LADING/AIR BILL NO. <i>FedEx 7721 2767 2621</i>		

MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.	PRESERVATION	HNO3 to pH <2	Cool <=6C	None	HCl or H2SO4 to pH <2/Cool <=6C
		HOLDING TIME	6 Months	7 Days	ASAP	28 Days
		TYPE OF CONTAINER	G/P	G/P	P	aG
		NO. OF CONTAINER(S)	1	1	1	1
		VOLUME	500mL	1L	250mL	500mL <i>250mL</i> <i>TRE 4/2/18</i>
SPECIAL HANDLING AND/OR STORAGE N/A	SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	2540C_TDS: COMMON; 2540D_TSS: COMMON;	9040_pH (AQUEOUS): COMMON; 9050_CONDUCTIVITY: COMMON;	9060_TOC: COMMON;	



SAMPLE NO.	FILTERED	MATRIX*	SAMPLE DATE	SAMPLE TIME				
B3J7H0	N/A	WATER	<i>5-1-18</i>	<i>0908</i>	✓	✓	✓	✓

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0.8 IR# 800 RP 5-2-18

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	TRVL-18-111 (1) 6010_METALS_ICP: COMMON {Calcium, Magnesium, Potassium, Sodium}; 6020_METALS_ICPMS: COMMON (Add-on) {Uranium};	
<i>M. Downing / M. Downing</i>	<i>5-1-18/1010</i>	<i>T.R. Edmundson</i>	<i>5-1-18 1010</i>		
<i>T.R. Edmundson</i>	<i>5-1-18 1500</i>	<i>Fed Ex</i>	<i>5-1-18</i>		
<i>F.R. Edmundson</i>	<i>5-2-18</i>	<i>Reed Poteroff Reed</i>	<i>5-2-18 0845</i>		
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME		



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CH2MHill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			FRC17-01-042	PAGE 1 OF 1
COLLECTOR DOWNING, MK <i>D/NO366</i>	COMPANY CONTACT MEDLEY, HA	TELEPHONE NO. 373-6909	PROJECT COORDINATOR MEDLEY, HA		REQUIRED TAT 30 Days	
SAMPLING LOCATION ERDF LYSIMETER #5 DUP	PROJECT DESIGNATION ERDF Lysimeter Sampling - Water		SAF NO. FRC17-01		ORIGINAL	
ICE CHEST NO. <i>ERC-03-104</i>	FIELD LOGBOOK NO. HNF-N-876-1	ACTUAL SAMPLE DEPTH <i>N/A</i>	PURCHASE ORDER/CHARGE CODE <i>30442 304782 AS 4/5/18</i>		METHOD OF SHIPMENT FEDERAL EXPRESS	
SHIPPED TO TestAmerica Denver	OFFSITE PROPERTY NO. <i>PTR# 9391</i>		BILL OF LADING/AIR BILL NO. <i>Fed Ex 7721 2767 2621</i>			

MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.	PRESERVATION	HN03 to pH <2	Cool <=6C	None	HCl or H2SO4 to pH <2/Cool <=6C
		HOLDING TIME	6 Months	7 Days	ASAP	28 Days
		TYPE OF CONTAINER	G/P	G/P	P	aG
		NO. OF CONTAINER(S)	1	1	1	1
		VOLUME	500mL	1L	250mL	500mL <i>250mL TRB 4-12-18</i>
SPECIAL HANDLING AND/OR STORAGE N/A	SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	2540C_TDS: COMMON; 2540D_TSS: COMMON;	9040_pH (AQUEOUS): COMMON; 9050_CONDUCTIVITY: COMMON;	9060_TOC: COMMON;	

SAMPLE NO.	FILTERED	MATRIX*	SAMPLE DATE	SAMPLE TIME				
B3J7J8	N/A	WATER	5-1-18	0908	✓	✓	✓	✓

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	TRVL-18-111 (1) 6010_METALS_ICP: COMMON {Calcium, Magnesium, Potassium, Sodium}; 6020_METALS_ICPMS: COMMON (Add-on) {Uranium};	
<i>M. Downing / M. Downing</i>	<i>5-1-18/1010</i>	<i>T.R. Edmundson</i>	<i>5-1-18 1010</i>		
<i>T.R. Edmundson</i>	<i>5-1-18 1500</i>	<i>Fed Ex</i>	<i>5-1-18</i>		
<i>FedEx</i>	<i>5-2-18</i>	<i>Reed Pottruff</i>	<i>Reed Pottruff</i>	<i>5-2-18</i>	<i>0945</i>
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY		DATE/TIME	

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CH2MHill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				FRC17-01-027	PAGE 1 OF 1
COLLECTOR DOWNING, MK <i>DW0366</i>		COMPANY CONTACT MEDLEY, HA		TELEPHONE NO. 373-6909	PROJECT COORDINATOR MEDLEY, HA		REQUIRED TAT 30 Days
SAMPLING LOCATION ERDF LYSIMETER #6		PROJECT DESIGNATION ERDF Lysimeter Sampling - Water			SAF NO. FRC17-01	ORIGINAL	
ICE CHEST NO. <i>ERC-03-104</i>		FIELD LOGBOOK NO. HNF-N-876-1		ACTUAL SAMPLE DEPTH <i>N/A</i>	PURCHASE ORDER/CHARGE CODE 304121 <i>304782 #41518</i>		METHOD OF SHIPMENT FEDERAL EXPRESS
SHIPPED TO TestAmerica Denver		OFFSITE PROPERTY NO. <i>PTR# 9391</i>			BILL OF LADING/AIR BILL NO. <i>Fed Ex 7721 2767 2621</i>		

MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.	PRESERVATION		HN03 to pH <2	Cool <=6C	None	HCl or H2SO4 to pH <2/Cool <=6C
		HOLDING TIME		6 Months	7 Days	ASAP	28 Days
		TYPE OF CONTAINER		G/P	G/P	P	aG
		NO. OF CONTAINER(S)		1	1	1	1
		VOLUME		500mL	1L	250mL	500mL <i>250mL</i> <i>TR 2 4-18-18</i>
SPECIAL HANDLING AND/OR STORAGE N/A		SAMPLE ANALYSIS		SEE ITEM (1) IN SPECIAL INSTRUCTIONS	2540C_TDS COMMON; 2540D_TSS: COMMON;	9040_pH (AQUEOUS) COMMON; 9050:CONDUCTIVITY: COMMON;	9060_TOC: COMMON;

SAMPLE NO.	FILTERED	MATRIX*	SAMPLE DATE	SAMPLE TIME				
B3J7H3	N/A	WATER	5-1-18	0936	✓	✓	✓	✓

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	TRVL-18-111 (1) 6010_METALS_ICP: COMMON {Calcium, Magnesium, Potassium, Sodium}; 6020_METALS_ICPMS: COMMON (Add-on) {Uranium};	
<i>M. Downing</i>	<i>5-1-18/1010</i>	<i>T.R. Edmundson</i>	<i>5-1-18 1010</i>		
<i>T.R. Edmundson</i>	<i>5-1-18 1500</i>	<i>Fed Ex</i>	<i>5-1-18</i>		
<i>FedEx</i>	<i>5-2-18</i>	<i>Reed Pottruff</i>	<i>5-2-18 0845</i>		
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY		DATE/TIME	

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CH2MHILL Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			FRC17-01-030	PAGE 1 OF 1
COLLECTOR DOWNING, MK <i>DW0366</i>		COMPANY CONTACT MEDLEY, HA	TELEPHONE NO. 373-6909	PROJECT COORDINATOR MEDLEY, HA	REQUIRED TAT 30 Days	
SAMPLING LOCATION ERDF LYSIMETER #7		PROJECT DESIGNATION ERDF Lysimeter Sampling - Water		SAF NO. FRC17-01	ORIGINAL	
ICE CHEST NO. <i>ERC-03-104</i>		FIELD LOGBOOK NO. HNF-N-876-1	ACTUAL SAMPLE DEPTH <i>N/A</i>	PURCHASE ORDER/CHARGE CODE <i>304121-304782 DW 4/5/18</i>	METHOD OF SHIPMENT FEDERAL EXPRESS	
SHIPPED TO TestAmerica Denver		OFFSITE PROPERTY NO. <i>PTR#9391</i>		BILL OF LADING/AIR BILL NO. <i>Fed Ex 7721 2767 2621</i>		

MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.	PRESERVATION		HNO3 to pH <2	Cool <=6C	None	HCl or H2SO4 to pH <2/Cool <=6C
		HOLDING TIME		6 Months	7 Days	ASAP	28 Days
		TYPE OF CONTAINER		G/P	G/P	P	aG
		NO. OF CONTAINER(S)		1	1	1	1
		VOLUME		500mL	1L	250mL	500mL <i>250 mL</i>
SPECIAL HANDLING AND/OR STORAGE N/A		SAMPLE ANALYSIS		SEE ITEM (1) IN SPECIAL INSTRUCTIONS	2540C_TDS: COMMON; 2540D_TSS: COMMON;	9040_pH (AQUEOUS): COMMON; 9050_CONDUCTIVITY: COMMON;	9060_TOC: COMMON;

SAMPLE NO.	FILTERED	MATRIX*	SAMPLE DATE	SAMPLE TIME				
B3J7H6	N/A	WATER	5-1-18	0847	✓	✓	✓	✓

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	TRVL-18-111 (1) 6010_METALS_ICP: COMMON {Calcium, Magnesium, Potassium, Sodium}; 6020_METALS_ICPMS: COMMON (Add-on) {Uranium};	
<i>M. Downing / H. Downing</i>	<i>5-1-18/1010</i>	<i>T.R. Edmundson</i>	<i>5-1-18 1010</i>		
<i>T.R. Edmundson</i>	<i>5-1-18 1500</i>	<i>Fed Ex</i>	<i>5-1-18</i>		
<i>FedEx</i>	<i>5-2-18</i>	<i>Reed Pottmuff</i>	<i>5-2-18 0845</i>		
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY		DATE/TIME	
PRINTED ON 3/27/2018	FSR ID = FSR59363	TRVL NUM = TRVL-18-111		A-6003-618 (REV 3)	

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CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			FRC17-01-033	PAGE 1 OF 1
COLLECTOR DOWNING, MK <i>DW0366</i>	COMPANY CONTACT MEDLEY, HA	TELEPHONE NO. 373-6909	PROJECT COORDINATOR MEDLEY, HA		REQUIRED TAT 30 Days	
SAMPLING LOCATION ERDF LYSIMETER #8	PROJECT DESIGNATION ERDF Lysimeter Sampling - Water		SAF NO. FRC17-01		ORIGINAL	
ICE CHEST NO. <i>ERC-03-104</i>	FIELD LOGBOOK NO. HNF-N-876-1	ACTUAL SAMPLE DEPTH <i>N/A</i>	PURCHASE ORDER/CHARGE CODE <i>30412+ 304782 DW04/15/18</i>		METHOD OF SHIPMENT FEDERAL EXPRESS	
SHIPPED TO TestAmerica Denver	OFFSITE PROPERTY NO. <i>PTR# 9391</i>		BILL OF LADING/AIR BILL NO. <i>Fed Ex 7721 2767 2621</i>			

MATRIX* A=Air DL=Drum L=Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.	PRESERVATION	HNO3 to pH <2	Cool <=6C	None	HCl or H2SO4 to pH <2/Cool <=6C
		HOLDING TIME	6 Months	7 Days	ASAP	28 Days
		TYPE OF CONTAINER	G/P	G/P	P	aG
		NO. OF CONTAINER(S)	1	1	1	1
		VOLUME	500mL	1L	250mL	500mL <i>250mL</i> <i>TRC 4-12-18</i>
SPECIAL HANDLING AND/OR STORAGE N/A	SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	2540C_TDS: COMMON; 2540D_TSS: COMMON;	9040_pH (AQUEOUS): COMMON; 9050_CONDUCTIVITY: COMMON;	9060_TOC: COMMON;	

SAMPLE NO.	FILTERED	MATRIX*	SAMPLE DATE	SAMPLE TIME				
B3J7H9	N/A	WATER	5-1-18	0950	✓	✓	✓	✓

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	TRVL-18-111 (1) 6010_METALS_ICP: COMMON {Calcium, Magnesium, Potassium, Sodium}; 6020_METALS_ICPMS: COMMON (Add-on) {Uranium};	
<i>M. Downing / H. Downing</i>	<i>5-1-18/1010</i>	<i>T.R. Edmundson</i>	<i>5-1-18 1010</i>		
<i>T.R. Edmundson PRC</i>	<i>5-1-18 1500</i>	<i>Fed Ex</i>	<i>5-1-18</i>		
<i>FedEx</i>	<i>5-2-18</i>	<i>Reed Potkin RE</i>	<i>5-2-18 0845</i>		
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME		

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CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			FRC17-01-036	PAGE 1 OF 1
COLLECTOR DOWNING, MK <i>DN0366</i>		COMPANY CONTACT MEDLEY, HA	TELEPHONE NO. 373-6909	PROJECT COORDINATOR MEDLEY, HA	REQUIRED TAT 30 Days	
SAMPLING LOCATION ERDF LYSIMETER #9		PROJECT DESIGNATION ERDF Lysimeter Sampling - Water		SAF NO. FRC17-01	ORIGINAL	
ICE CHEST NO. <i>ERC-03-104</i>		FIELD LOGBOOK NO. HNF-N-876-1	ACTUAL SAMPLE DEPTH <i>N/A</i>	PURCHASE ORDER/CHARGE CODE <i>304121 304762 okw 4/5/18</i>	METHOD OF SHIPMENT FEDERAL EXPRESS	
SHIPPED TO TestAmerica Denver		OFFSITE PROPERTY NO. <i>PTR# 9391</i>		BILL OF LADING/AIR BILL NO. <i>Fed Ex 7721 2767 2621</i>		

MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.	PRESERVATION			HNO3 to pH <2	Cool <=6C	None	HCl or H2SO4 to pH <2/Cool <=6C
		HOLDING TIME			6 Months	7 Days	ASAP	28 Days
		TYPE OF CONTAINER			G/P	G/P	P	aG
		NO. OF CONTAINER(S)			1	1	1	1
		VOLUME			500mL	1L	250mL	500mL <i>250mL</i> <i>TRB 4/2/18</i>
SPECIAL HANDLING AND/OR STORAGE N/A		SAMPLE ANALYSIS		SEE ITEM (1) IN SPECIAL INSTRUCTIONS	2540C_TDS: COMMON; 2540D_TSS: COMMON,	9040_pH (AQUEOUS): COMMON; 9050_CONDUCTIVITY: COMMON;	9060_TOC: COMMON;	

SAMPLE NO.	FILTERED	MATRIX*	SAMPLE DATE	SAMPLE TIME				
B3J7J2	N/A	WATER	5-1-18	0750	✓	✓	✓	✓

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	TRVL-18-111 (1) 6010_METALS_ICP: COMMON {Calcium, Magnesium, Potassium, Sodium}; 6020_METALS_ICPMS: COMMON (Add-on) {Uranium};	
<i>M. Downing / M. Downing</i>	<i>5-1-18/1010</i>	<i>T.R. Edmundson</i>	<i>5-1-18 1010</i>		
<i>T.R. Edmundson</i>	<i>5-1-18 1500</i>	<i>Fed Ex</i>	<i>5-1-18</i>		
<i>FedEx</i>	<i>5-2-18</i>	<i>Reed Poteroff Reed</i>	<i>5-2-18 0845</i>		
FINAL SAMPLE DISPOSITION		DISPOSAL METHOD		DISPOSED BY	



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CH2MHill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			FRC17-01-039	PAGE 1 OF 1
COLLECTOR DOWNING, MK <i>DW03GG</i>		COMPANY CONTACT MEDLEY, HA	TELEPHONE NO. 373-6909	PROJECT COORDINATOR MEDLEY, HA		REQUIRED TAT 30 Days
SAMPLING LOCATION ERDF LYSIMETER #10		PROJECT DESIGNATION ERDF Lysimeter Sampling - Water		SAF NO. FRC17-01	ORIGINAL	
ICE CHEST NO. <i>ERC-03-104</i>		FIELD LOGBOOK NO. HNF-N-876-1	ACTUAL SAMPLE DEPTH <i>N/A</i>	PURCHASE ORDER/CHARGE CODE <i>304121 304782 DW415118</i>	METHOD OF SHIPMENT FEDERAL EXPRESS	
SHIPPED TO TestAmerica Denver		OFFSITE PROPERTY NO. <i>PTR# 9391</i>		BILL OF LADING/AIR BILL NO. <i>Fed Ex 7721 2767 2621</i>		

MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.	PRESERVATION	HNO3 to pH <2	Cool <=6C	None	HCl or H2SO4 to pH <2/Cool <=6C
		HOLDING TIME	6 Months	7 Days	ASAP	28 Days
		TYPE OF CONTAINER	G/P	G/P	P	aG
		NO. OF CONTAINER(S)	1	1	1	1
		VOLUME	500mL	1L	250mL	500mL <i>250mL</i> <i>The 4/18</i>
SPECIAL HANDLING AND/OR STORAGE	N/A	SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	2540C_TDS: COMMON; 2540D_TSS: COMMON;	9040_pH (AQUEOUS): COMMON, 9050_CONDUCTIVITY: COMMON;	9060_TOC: COMMON;

SAMPLE NO.	FILTERED	MATRIX*	SAMPLE DATE	SAMPLE TIME				
B317J5	N/A	WATER	5-1-18	0825	✓	✓	✓	✓

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	TRVL-18-111 (1) 6010_METALS_ICP: COMMON {Calcium, Magnesium, Potassium, Sodium}; 6020_METALS_ICPMS: COMMON (Add-on) {Uranium};	
<i>M Downing / M Downing</i>	<i>5-1-18/1010</i>	<i>T.R. Edmundson</i>	<i>5-1-18</i>		
<i>T.R. Edmundson</i>	<i>5-1-18 1500</i>	<i>Fed Ex</i>	<i>5-1-18</i>		
<i>Fed Ex</i>	<i>5-2-18</i>	<i>Reed Kottluff</i>	<i>5-2-18 0825</i>		
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY		DATE/TIME	

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FedEx® Tracking

772127672621

Ship date:

Tue 5/01/2018

Actual delivery:

Wed 5/02/2018 8:36 am

Richland, WA US

Delivered

Signed for by: B BEN

ARVADA, CO US

Travel History

Date/Time	Activity	Location
5/02/2018 - Wednesday		
8:36 am	Delivered	ARVADA, CO
8:07 am	On FedEx vehicle for delivery	ARVADA, CO
7:45 am	At local FedEx facility	ARVADA, CO
5:17 am	At destination sort facility	DENVER, CO
4:03 am	Departed FedEx location	MEMPHIS, TN
12:34 am	Arrived at FedEx location	MEMPHIS, TN
5/01/2018 - Tuesday		
4:41 pm	Left FedEx origin facility	PASCO, WA
3:43 pm	Shipment information sent to FedEx	
3:01 pm	Picked up	PASCO, WA

Shipment Facts

Tracking Number	772127672621	Service	FedEx Priority Overnight
Weight	78 lbs / 35.38 kgs	Delivered To	Shipping/Receiving
Total pieces	1	Total shipment weight	78 lbs / 35.38 kgs
Terms	Third Party	Shipper reference	PTR-0391 CACN-304782
Packaging	Your Packaging	Special handling section	Deliver Weekday, Additional Handling Surcharge
Standard transit	5/02/2018 by 10:30 am		

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Definitions/Glossary

Client: CH2M Hill Plateau Remediation Company
Project/Site: FRC17-01

TestAmerica Job ID: 280-109232-1
SDG: DN0366

Qualifiers

Metals

Qualifier	Qualifier Description
X	See case narrative notes for explanation of the 'X' flag
U	Analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
U	Analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Method Summary

Client: CH2M Hill Plateau Remediation Company
 Project/Site: FRC17-01

TestAmerica Job ID: 280-109232-1
 SDG: DN0366

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	TAL DEN
6020B	Metals (ICP/MS)	SW846	TAL DEN
9040C	pH	SW846	TAL DEN
9050A	Specific Conductance	SW846	TAL DEN
9060A	Organic Carbon, Total (TOC)	SW846	TAL DEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL DEN
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL DEN
3010A	Preparation, Total Metals	SW846	TAL DEN
3020A	Preparation, Total Metals	SW846	TAL DEN

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100



Sample Summary

Client: CH2M Hill Plateau Remediation Company
Project/Site: FRC17-01

TestAmerica Job ID: 280-109232-1
SDG: DN0366

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-109232-1	B3J7H0	Water	05/01/18 09:08	05/02/18 08:45
280-109232-2	B3J7J8	Water	05/01/18 09:08	05/02/18 08:45
280-109232-3	B3J7H3	Water	05/01/18 09:36	05/02/18 08:45
280-109232-4	B3J7H6	Water	05/01/18 08:47	05/02/18 08:45
280-109232-5	B3J7H9	Water	05/01/18 09:50	05/02/18 08:45
280-109232-6	B3J7J2	Water	05/01/18 07:50	05/02/18 08:45
280-109232-7	B3J7J5	Water	05/01/18 08:25	05/02/18 08:45



Client Sample Results

Client: CH2M Hill Plateau Remediation Company
 Project/Site: FRC17-01

TestAmerica Job ID: 280-109232-1
 SDG: DN0366

Method: 6010D - Metals (ICP)

Client Sample ID: B3J7H0
Date Collected: 05/01/18 09:08
Date Received: 05/02/18 08:45

Lab Sample ID: 280-109232-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	652000		200	34.5	ug/L		05/10/18 17:00	05/19/18 22:15	1
Magnesium	116000		200	10.7	ug/L		05/10/18 17:00	05/19/18 22:15	1
Potassium	30000		3000	237	ug/L		05/10/18 17:00	05/19/18 22:15	1
Sodium	176000		1000	117	ug/L		05/10/18 17:00	05/19/18 22:15	1

Client Sample ID: B3J7J8
Date Collected: 05/01/18 09:08
Date Received: 05/02/18 08:45

Lab Sample ID: 280-109232-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	661000		200	34.5	ug/L		05/10/18 17:00	05/19/18 22:38	1
Magnesium	116000		200	10.7	ug/L		05/10/18 17:00	05/19/18 22:38	1
Potassium	30200		3000	237	ug/L		05/10/18 17:00	05/19/18 22:38	1
Sodium	178000		1000	117	ug/L		05/10/18 17:00	05/19/18 22:38	1

Client Sample ID: B3J7H3
Date Collected: 05/01/18 09:36
Date Received: 05/02/18 08:45

Lab Sample ID: 280-109232-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	469000		200	34.5	ug/L		05/10/18 17:00	05/19/18 22:42	1
Magnesium	24300		200	10.7	ug/L		05/10/18 17:00	05/19/18 22:42	1
Potassium	26700		3000	237	ug/L		05/10/18 17:00	05/19/18 22:42	1
Sodium	173000		1000	117	ug/L		05/10/18 17:00	05/19/18 22:42	1

Client Sample ID: B3J7H6
Date Collected: 05/01/18 08:47
Date Received: 05/02/18 08:45

Lab Sample ID: 280-109232-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	587000		200	34.5	ug/L		05/10/18 17:00	05/19/18 22:45	1
Magnesium	124000		200	10.7	ug/L		05/10/18 17:00	05/19/18 22:45	1
Potassium	32300		3000	237	ug/L		05/10/18 17:00	05/19/18 22:45	1
Sodium	251000		1000	117	ug/L		05/10/18 17:00	05/19/18 22:45	1

Client Sample ID: B3J7H9
Date Collected: 05/01/18 09:50
Date Received: 05/02/18 08:45

Lab Sample ID: 280-109232-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	663000		200	34.5	ug/L		05/10/18 17:00	05/19/18 22:48	1
Magnesium	122000		200	10.7	ug/L		05/10/18 17:00	05/19/18 22:48	1
Potassium	29600		3000	237	ug/L		05/10/18 17:00	05/19/18 22:48	1
Sodium	183000		1000	117	ug/L		05/10/18 17:00	05/19/18 22:48	1

Client Sample ID: B3J7J2
Date Collected: 05/01/18 07:50
Date Received: 05/02/18 08:45

Lab Sample ID: 280-109232-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	665000		200	34.5	ug/L		05/10/18 17:00	05/19/18 22:52	1
Magnesium	54500		200	10.7	ug/L		05/10/18 17:00	05/19/18 22:52	1
Potassium	24200		3000	237	ug/L		05/10/18 17:00	05/19/18 22:52	1
Sodium	136000		1000	117	ug/L		05/10/18 17:00	05/19/18 22:52	1

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
 Project/Site: FRC17-01

TestAmerica Job ID: 280-109232-1
 SDG: DN0366

Method: 6010D - Metals (ICP)

Client Sample ID: B3J7J5
 Date Collected: 05/01/18 08:25
 Date Received: 05/02/18 08:45

Lab Sample ID: 280-109232-7
 Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	495000		200	34.5	ug/L		05/10/18 17:00	05/19/18 22:55	1
Magnesium	19700		200	10.7	ug/L		05/10/18 17:00	05/19/18 22:55	1
Potassium	20900		3000	237	ug/L		05/10/18 17:00	05/19/18 22:55	1
Sodium	146000		1000	117	ug/L		05/10/18 17:00	05/19/18 22:55	1

Method: 6020B - Metals (ICP/MS)

Client Sample ID: B3J7H0
 Date Collected: 05/01/18 09:08
 Date Received: 05/02/18 08:45

Lab Sample ID: 280-109232-1
 Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	42.9		1.0	0.050	ug/L		05/07/18 08:22	05/07/18 22:26	1

Client Sample ID: B3J7J8
 Date Collected: 05/01/18 09:08
 Date Received: 05/02/18 08:45

Lab Sample ID: 280-109232-2
 Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	41.9		1.0	0.050	ug/L		05/07/18 08:22	05/07/18 22:50	1

Client Sample ID: B3J7H3
 Date Collected: 05/01/18 09:36
 Date Received: 05/02/18 08:45

Lab Sample ID: 280-109232-3
 Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	8.9		1.0	0.050	ug/L		05/07/18 08:22	05/07/18 22:54	1

Client Sample ID: B3J7H6
 Date Collected: 05/01/18 08:47
 Date Received: 05/02/18 08:45

Lab Sample ID: 280-109232-4
 Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	61.8		1.0	0.050	ug/L		05/07/18 08:22	05/07/18 22:57	1

Client Sample ID: B3J7H9
 Date Collected: 05/01/18 09:50
 Date Received: 05/02/18 08:45

Lab Sample ID: 280-109232-5
 Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	49.6		1.0	0.050	ug/L		05/07/18 08:22	05/07/18 23:00	1

Client Sample ID: B3J7J2
 Date Collected: 05/01/18 07:50
 Date Received: 05/02/18 08:45

Lab Sample ID: 280-109232-6
 Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	7.4		1.0	0.050	ug/L		05/07/18 08:22	05/07/18 23:04	1

Client Sample ID: B3J7J5
 Date Collected: 05/01/18 08:25
 Date Received: 05/02/18 08:45

Lab Sample ID: 280-109232-7
 Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	2.6		1.0	0.050	ug/L		05/07/18 08:22	05/07/18 23:07	1

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: FRC17-01

TestAmerica Job ID: 280-109232-1
SDG: DN0366

General Chemistry

Client Sample ID: B3J7H0
Date Collected: 05/01/18 09:08
Date Received: 05/02/18 08:45

Lab Sample ID: 280-109232-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.83		0.100	0.100	SU			05/30/18 16:33	1
Specific Conductance	3490		2.00	2.00	umhos/cm			05/05/18 13:41	1
Total Organic Carbon - Average	8390		1000	155	ug/L			05/24/18 03:55	1
Total Dissolved Solids	3420000		20000	9400	ug/L			05/08/18 12:12	1
Total Suspended Solids	193000		4000	1100	ug/L			05/04/18 08:29	1

Client Sample ID: B3J7J8
Date Collected: 05/01/18 09:08
Date Received: 05/02/18 08:45

Lab Sample ID: 280-109232-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.83		0.100	0.100	SU			05/31/18 17:01	1
Specific Conductance	3100		2.00	2.00	umhos/cm			05/05/18 13:41	1
Total Organic Carbon - Average	8420		1000	155	ug/L			05/24/18 01:47	1
Total Dissolved Solids	3460000		20000	9400	ug/L			05/08/18 12:12	1
Total Suspended Solids	165000		4000	1100	ug/L			05/04/18 08:29	1

Client Sample ID: B3J7H3
Date Collected: 05/01/18 09:36
Date Received: 05/02/18 08:45

Lab Sample ID: 280-109232-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.83		0.100	0.100	SU			05/30/18 16:46	1
Specific Conductance	2420		2.00	2.00	umhos/cm			05/05/18 13:41	1
Total Organic Carbon - Average	12000		1000	155	ug/L			05/24/18 02:01	1
Total Dissolved Solids	2400000		20000	9400	ug/L			05/08/18 12:12	1
Total Suspended Solids	48400		4000	1100	ug/L			05/04/18 08:29	1

Client Sample ID: B3J7H6
Date Collected: 05/01/18 08:47
Date Received: 05/02/18 08:45

Lab Sample ID: 280-109232-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.84		0.100	0.100	SU			05/30/18 16:51	1
Specific Conductance	3060		2.00	2.00	umhos/cm			05/05/18 13:41	1
Total Organic Carbon - Average	9560		1000	155	ug/L			05/24/18 02:16	1
Total Dissolved Solids	3340000		20000	9400	ug/L			05/08/18 12:12	1
Total Suspended Solids	150000		16700	4580	ug/L			05/04/18 08:29	1

Client Sample ID: B3J7H9
Date Collected: 05/01/18 09:50
Date Received: 05/02/18 08:45

Lab Sample ID: 280-109232-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.67		0.100	0.100	SU			05/31/18 16:57	1
Specific Conductance	3190		2.00	2.00	umhos/cm			05/05/18 13:41	1
Total Organic Carbon - Average	13000		1000	155	ug/L			05/24/18 02:31	1
Total Dissolved Solids	3600000		20000	9400	ug/L			05/08/18 12:12	1
Total Suspended Solids	227000		4000	1100	ug/L			05/04/18 08:29	1

Client Sample ID: B3J7J2
Date Collected: 05/01/18 07:50
Date Received: 05/02/18 08:45

Lab Sample ID: 280-109232-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.13		0.100	0.100	SU			05/31/18 16:53	1

TestAmerica Denver

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
 Project/Site: FRC17-01

TestAmerica Job ID: 280-109232-1
 SDG: DN0366

General Chemistry (Continued)

Client Sample ID: B3J7J2
Date Collected: 05/01/18 07:50
Date Received: 05/02/18 08:45

Lab Sample ID: 280-109232-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	2930		2.00	2.00	umhos/cm			05/05/18 13:41	1
Total Organic Carbon - Average	13500		1000	155	ug/L			05/24/18 02:46	1
Total Dissolved Solids	3170000		20000	9400	ug/L			05/08/18 12:12	1
Total Suspended Solids	385000		25000	6880	ug/L			05/04/18 08:29	1

Client Sample ID: B3J7J5
Date Collected: 05/01/18 08:25
Date Received: 05/02/18 08:45

Lab Sample ID: 280-109232-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.39		0.100	0.100	SU			05/30/18 17:07	1
Specific Conductance	2310		2.00	2.00	umhos/cm			05/05/18 13:41	1
Total Organic Carbon - Average	98000	D	3120	484	ug/L			05/24/18 03:04	3.12
Total Dissolved Solids	2340000		20000	9400	ug/L			05/08/18 12:12	1
Total Suspended Solids	197000		14300	3930	ug/L			05/04/18 08:29	1

QC Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: FRC17-01

TestAmerica Job ID: 280-109232-1
SDG: DN0366

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 280-413770/1-A
Matrix: Water
Analysis Batch: 415580

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 413770

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	34.5	U	200	34.5	ug/L		05/10/18 17:00	05/19/18 21:48	1
Magnesium	10.7	U	200	10.7	ug/L		05/10/18 17:00	05/19/18 21:48	1
Potassium	237	U	3000	237	ug/L		05/10/18 17:00	05/19/18 21:48	1
Sodium	117	U	1000	117	ug/L		05/10/18 17:00	05/19/18 21:48	1

Lab Sample ID: LCS 280-413770/2-A
Matrix: Water
Analysis Batch: 415580

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 413770

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Calcium	50000	50160		ug/L		100	80 - 120
Magnesium	50000	49530		ug/L		99	80 - 120
Potassium	50000	49480		ug/L		99	80 - 120
Sodium	50000	48140		ug/L		96	80 - 120

Lab Sample ID: 280-109232-1 MS
Matrix: Water
Analysis Batch: 415580

Client Sample ID: B3J7H0
Prep Type: Total/NA
Prep Batch: 413770

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Calcium	652000		50000	705000	X	ug/L		106	75 - 125
Magnesium	116000		50000	166600		ug/L		101	75 - 125
Potassium	30000		50000	83380		ug/L		107	75 - 125
Sodium	176000		50000	229700		ug/L		107	75 - 125

Lab Sample ID: 280-109232-1 MSD
Matrix: Water
Analysis Batch: 415580

Client Sample ID: B3J7H0
Prep Type: Total/NA
Prep Batch: 413770

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Calcium	652000		50000	692800	X	ug/L		82	75 - 125	2	20
Magnesium	116000		50000	165800		ug/L		99	75 - 125	0	20
Potassium	30000		50000	81880		ug/L		104	75 - 125	2	20
Sodium	176000		50000	226300		ug/L		100	75 - 125	1	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 280-413769/1-A
Matrix: Water
Analysis Batch: 414057

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 413769

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	0.050	U	1.0	0.050	ug/L		05/07/18 08:22	05/07/18 22:16	1

QC Sample Results

Client: CH2M Hill Plateau Remediation Company
 Project/Site: FRC17-01

TestAmerica Job ID: 280-109232-1
 SDG: DN0366

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 280-413769/2-A
 Matrix: Water
 Analysis Batch: 414057

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 413769

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Uranium	40.0	39.89		ug/L		100	80 - 120

Lab Sample ID: 280-109232-1 MS
 Matrix: Water
 Analysis Batch: 414057

Client Sample ID: B3J7H0
 Prep Type: Total/NA
 Prep Batch: 413769

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Uranium	42.9		40.0	80.96		ug/L		95	75 - 125

Lab Sample ID: 280-109232-1 MSD
 Matrix: Water
 Analysis Batch: 414057

Client Sample ID: B3J7H0
 Prep Type: Total/NA
 Prep Batch: 413769

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Uranium	42.9		40.0	85.18		ug/L		106	75 - 125	5	20

Method: 9040C - pH

Lab Sample ID: LCS 280-416851/4
 Matrix: Water
 Analysis Batch: 416851

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
pH	7.00	7.050		SU		101	99 - 101

Lab Sample ID: 280-109232-1 DU
 Matrix: Water
 Analysis Batch: 416851

Client Sample ID: B3J7H0
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
pH	7.83		7.900		SU		0.9	5

Lab Sample ID: LCS 280-417000/8
 Matrix: Water
 Analysis Batch: 417000

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
pH	7.00	7.030		SU		100	99 - 101

Method: 9050A - Specific Conductance

Lab Sample ID: MB 280-413880/5
 Matrix: Water
 Analysis Batch: 413880

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	2.00	U	2.00	2.00	umhos/cm			05/05/18 13:41	1

QC Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: FRC17-01

TestAmerica Job ID: 280-109232-1
SDG: DN0366

Method: 9050A - Specific Conductance (Continued)

Lab Sample ID: LCS 280-413880/3
Matrix: Water
Analysis Batch: 413880

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Specific Conductance	1410	1373		umhos/cm		97	90 - 110

Lab Sample ID: LCSD 280-413880/4
Matrix: Water
Analysis Batch: 413880

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Specific Conductance	1410	1377		umhos/cm		98	90 - 110	0	10

Lab Sample ID: 280-109232-1 DU
Matrix: Water
Analysis Batch: 413880

Client Sample ID: B3J7H0
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Specific Conductance	3490		3390		umhos/cm		3	10

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 280-416175/35
Matrix: Water
Analysis Batch: 416175

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average	155	U	1000	155	ug/L			05/23/18 23:17	1

Lab Sample ID: LCS 280-416175/34
Matrix: Water
Analysis Batch: 416175

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon - Average	25000	25060		ug/L		100	80 - 120

Lab Sample ID: 280-109232-1 MS
Matrix: Water
Analysis Batch: 416175

Client Sample ID: B3J7H0
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon - Average	8390		25000	32460		ug/L		96	75 - 125

Lab Sample ID: 280-109232-1 MSD
Matrix: Water
Analysis Batch: 416175

Client Sample ID: B3J7H0
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon - Average	8390		25000	32460		ug/L		96	75 - 125	0	20

QC Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: FRC17-01

TestAmerica Job ID: 280-109232-1
SDG: DN0366

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 280-414091/1
Matrix: Water
Analysis Batch: 414091

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	4700	U	10000	4700	ug/L	-		05/08/18 12:12	1

Lab Sample ID: LCS 280-414091/3
Matrix: Water
Analysis Batch: 414091

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	500000	492000		ug/L	-	98	80 - 120

Lab Sample ID: 280-109232-1 DU
Matrix: Water
Analysis Batch: 414091

Client Sample ID: B3J7H0
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	3420000		3466000		ug/L	-	1	20

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 280-413722/1
Matrix: Water
Analysis Batch: 413722

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	1100	U	4000	1100	ug/L	-		05/04/18 08:29	1

Lab Sample ID: LCS 280-413722/2
Matrix: Water
Analysis Batch: 413722

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	100000	90000		ug/L	-	90	80 - 120

Lab Sample ID: LCSD 280-413722/3
Matrix: Water
Analysis Batch: 413722

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Suspended Solids	100000	95600		ug/L	-	96	80 - 120	6	20

Lab Sample ID: 280-109232-1 DU
Matrix: Water
Analysis Batch: 413722

Client Sample ID: B3J7H0
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	193000		194400		ug/L	-	0.8	20

QC Association Summary

Client: CH2M Hill Plateau Remediation Company
Project/Site: FRC17-01

TestAmerica Job ID: 280-109232-1
SDG: DN0366

Metals

Prep Batch: 413769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-109232-1	B3J7H0	Total/NA	Water	3020A	
280-109232-2	B3J7J8	Total/NA	Water	3020A	
280-109232-3	B3J7H3	Total/NA	Water	3020A	
280-109232-4	B3J7H6	Total/NA	Water	3020A	
280-109232-5	B3J7H9	Total/NA	Water	3020A	
280-109232-6	B3J7J2	Total/NA	Water	3020A	
280-109232-7	B3J7J5	Total/NA	Water	3020A	
MB 280-413769/1-A	Method Blank	Total/NA	Water	3020A	
LCS 280-413769/2-A	Lab Control Sample	Total/NA	Water	3020A	
280-109232-1 MS	B3J7H0	Total/NA	Water	3020A	
280-109232-1 MSD	B3J7H0	Total/NA	Water	3020A	

Prep Batch: 413770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-109232-1	B3J7H0	Total/NA	Water	3010A	
280-109232-2	B3J7J8	Total/NA	Water	3010A	
280-109232-3	B3J7H3	Total/NA	Water	3010A	
280-109232-4	B3J7H6	Total/NA	Water	3010A	
280-109232-5	B3J7H9	Total/NA	Water	3010A	
280-109232-6	B3J7J2	Total/NA	Water	3010A	
280-109232-7	B3J7J5	Total/NA	Water	3010A	
MB 280-413770/1-A	Method Blank	Total/NA	Water	3010A	
LCS 280-413770/2-A	Lab Control Sample	Total/NA	Water	3010A	
280-109232-1 MS	B3J7H0	Total/NA	Water	3010A	
280-109232-1 MSD	B3J7H0	Total/NA	Water	3010A	

Analysis Batch: 414057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-109232-1	B3J7H0	Total/NA	Water	6020B	413769
280-109232-2	B3J7J8	Total/NA	Water	6020B	413769
280-109232-3	B3J7H3	Total/NA	Water	6020B	413769
280-109232-4	B3J7H6	Total/NA	Water	6020B	413769
280-109232-5	B3J7H9	Total/NA	Water	6020B	413769
280-109232-6	B3J7J2	Total/NA	Water	6020B	413769
280-109232-7	B3J7J5	Total/NA	Water	6020B	413769
MB 280-413769/1-A	Method Blank	Total/NA	Water	6020B	413769
LCS 280-413769/2-A	Lab Control Sample	Total/NA	Water	6020B	413769
280-109232-1 MS	B3J7H0	Total/NA	Water	6020B	413769
280-109232-1 MSD	B3J7H0	Total/NA	Water	6020B	413769

Analysis Batch: 415580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-109232-1	B3J7H0	Total/NA	Water	6010D	413770
280-109232-2	B3J7J8	Total/NA	Water	6010D	413770
280-109232-3	B3J7H3	Total/NA	Water	6010D	413770
280-109232-4	B3J7H6	Total/NA	Water	6010D	413770
280-109232-5	B3J7H9	Total/NA	Water	6010D	413770
280-109232-6	B3J7J2	Total/NA	Water	6010D	413770
280-109232-7	B3J7J5	Total/NA	Water	6010D	413770
MB 280-413770/1-A	Method Blank	Total/NA	Water	6010D	413770
LCS 280-413770/2-A	Lab Control Sample	Total/NA	Water	6010D	413770

TestAmerica Denver

QC Association Summary

Client: CH2M Hill Plateau Remediation Company
Project/Site: FRC17-01

TestAmerica Job ID: 280-109232-1
SDG: DN0366

Metals (Continued)

Analysis Batch: 415580 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-109232-1 MS	B3J7H0	Total/NA	Water	6010D	413770
280-109232-1 MSD	B3J7H0	Total/NA	Water	6010D	413770

General Chemistry

Analysis Batch: 413722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-109232-1	B3J7H0	Total/NA	Water	SM 2540D	
280-109232-2	B3J7J8	Total/NA	Water	SM 2540D	
280-109232-3	B3J7H3	Total/NA	Water	SM 2540D	
280-109232-4	B3J7H6	Total/NA	Water	SM 2540D	
280-109232-5	B3J7H9	Total/NA	Water	SM 2540D	
280-109232-6	B3J7J2	Total/NA	Water	SM 2540D	
280-109232-7	B3J7J5	Total/NA	Water	SM 2540D	
MB 280-413722/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 280-413722/2	Lab Control Sample	Total/NA	Water	SM 2540D	
LCS 280-413722/3	Lab Control Sample Dup	Total/NA	Water	SM 2540D	
280-109232-1 DU	B3J7H0	Total/NA	Water	SM 2540D	

Analysis Batch: 413880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-109232-1	B3J7H0	Total/NA	Water	9050A	
280-109232-2	B3J7J8	Total/NA	Water	9050A	
280-109232-3	B3J7H3	Total/NA	Water	9050A	
280-109232-4	B3J7H6	Total/NA	Water	9050A	
280-109232-5	B3J7H9	Total/NA	Water	9050A	
280-109232-6	B3J7J2	Total/NA	Water	9050A	
280-109232-7	B3J7J5	Total/NA	Water	9050A	
MB 280-413880/5	Method Blank	Total/NA	Water	9050A	
LCS 280-413880/3	Lab Control Sample	Total/NA	Water	9050A	
LCS 280-413880/4	Lab Control Sample Dup	Total/NA	Water	9050A	
280-109232-1 DU	B3J7H0	Total/NA	Water	9050A	

Analysis Batch: 414091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-109232-1	B3J7H0	Total/NA	Water	SM 2540C	
280-109232-2	B3J7J8	Total/NA	Water	SM 2540C	
280-109232-3	B3J7H3	Total/NA	Water	SM 2540C	
280-109232-4	B3J7H6	Total/NA	Water	SM 2540C	
280-109232-5	B3J7H9	Total/NA	Water	SM 2540C	
280-109232-6	B3J7J2	Total/NA	Water	SM 2540C	
280-109232-7	B3J7J5	Total/NA	Water	SM 2540C	
MB 280-414091/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 280-414091/3	Lab Control Sample	Total/NA	Water	SM 2540C	
280-109232-1 DU	B3J7H0	Total/NA	Water	SM 2540C	

Analysis Batch: 416175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-109232-1	B3J7H0	Total/NA	Water	9060A	
280-109232-2	B3J7J8	Total/NA	Water	9060A	

TestAmerica Denver

QC Association Summary

Client: CH2M Hill Plateau Remediation Company
 Project/Site: FRC17-01

TestAmerica Job ID: 280-109232-1
 SDG: DN0366

General Chemistry (Continued)

Analysis Batch: 416175 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-109232-3	B3J7H3	Total/NA	Water	9060A	
280-109232-4	B3J7H6	Total/NA	Water	9060A	
280-109232-5	B3J7H9	Total/NA	Water	9060A	
280-109232-6	B3J7J2	Total/NA	Water	9060A	
280-109232-7	B3J7J5	Total/NA	Water	9060A	
MB 280-416175/35	Method Blank	Total/NA	Water	9060A	
LCS 280-416175/34	Lab Control Sample	Total/NA	Water	9060A	
280-109232-1 MS	B3J7H0	Total/NA	Water	9060A	
280-109232-1 MSD	B3J7H0	Total/NA	Water	9060A	

Analysis Batch: 416851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-109232-1	B3J7H0	Total/NA	Water	9040C	
280-109232-3	B3J7H3	Total/NA	Water	9040C	
280-109232-4	B3J7H6	Total/NA	Water	9040C	
280-109232-7	B3J7J5	Total/NA	Water	9040C	
LCS 280-416851/4	Lab Control Sample	Total/NA	Water	9040C	
280-109232-1 DU	B3J7H0	Total/NA	Water	9040C	

Analysis Batch: 417000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-109232-2	B3J7J8	Total/NA	Water	9040C	
280-109232-5	B3J7H9	Total/NA	Water	9040C	
280-109232-6	B3J7J2	Total/NA	Water	9040C	
LCS 280-417000/8	Lab Control Sample	Total/NA	Water	9040C	