

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica St. Louis
13715 Rider Trail North
Earth City, MO 63045
Tel: (314)298-8566

TestAmerica Job ID: 160-17639-2

Client Project/Site: HDP RFP-CBA-022 (7 DAY TAT)

For:

Westinghouse Electric Company LLC
3300 State Road P
Festus, Missouri 63028

Attn: Mr. Martin Swanson



Authorized for release by:
6/30/2016 5:10:17 PM

Ivan Vania, Project Manager II
(314)298-8566
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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: Westinghouse Electric Company LLC
Project/Site: HDP RFP-CBA-022 (7 DAY TAT)

TestAmerica Job ID: 160-17639-2

Job ID: 160-17639-2

Laboratory: TestAmerica St. Louis

Narrative

CASE NARRATIVE

Client: Westinghouse Electric Company LLC

Project: HDP RFP-CBA-022 (7 DAY TAT)

Report Number: 160-17639-2

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.

TestAmerica St. Louis attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

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.

All solid sample results for Chemistry analyses are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header. All soil/sediment sample results for radiochemistry analyses are based upon sample as dried and disaggregated with the exception of tritium, carbon-14, and iodine-129 by gamma spectroscopy unless requested as wet weight by the client."

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 6/3/2016 11:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 20.0° C.

RADIUM-226 BY GAMMA SPEC (21 DAY INGROWTH)

Samples L11-02-41-P-S-S-00 (160-17639-1), L11-02-42-P-R-S-00 (160-17639-2) and L11-02-42-P-R-Q-00 (160-17639-3) were analyzed for Radium-226 by gamma spec (21 day ingrowth) in accordance with EPA GA_01_R. The samples were leached on 06/03/2016, prepared on 06/06/2016 and analyzed on 06/28/2016 and 06/29/2016.

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

Hematite Decommissioning Project

Procedure HDP-PR-QA-006, Chain of Custody

Revision: 4

Westinghouse Non-Proprietary Class 3

FORM HDP-PR-QA-006-1
CHAIN OF CUSTODY

Instructions: Each time the container is transferred to another organization, a person from each organization should sign the CoC. The Laboratory/End User must verify that the sample is correctly identified before the sample is released for use or analysis and send the completed CoC to HDP.

Chain of Custody ID No. F-060216-03 Page 1/1				Requested Analysis										Laboratory Name:			
Project Name: Westinghouse Electric Company				Comp (C) or Grab (G)	Gamma Spec	Isotopic Uranium	Tc-99	Gamma Spec (21 day ingrow for Ra-226)							Total Containers	Laboratory Name: TA-MO	
Contact Person: Clark Evers																Laboratory Address: 13715 Rider Trail North	
Phone Number: 314-810-3336																Phone No. 314-298-8566	
Sampler Name: John Michel																Laboratory Contact Person: Ivan Vania	
				Phone No. 708-870-8453													
				Turn Around Time													
				Rush (7 days)													
				Remarks													
Sample ID	Date	Time	Matrix														
L11-02-41-P-S-S-00	6/1/2016	14:00	S	G	X		X	X						1	LSA 11-02		
L11-02-42-P-R-S-00	6/1/2016	14:05	S	C	X		X	X						1	LSA 11-02		
L11-02-42-P-R-Q-00	6/1/2016	14:05	S	C	X		X	X						1	LSA 11-02		



160-17639 Chain of Custody

Relinquished by: <i>S. Michel</i>	Date/Time: 6/3/16	Received by: <i>KL...</i>	Date/Time: 6-3-16	Total: 3	Cooler Temperature: Ambient
Company Name: WEC	Date/Time: 0935	Company Name: Cross HATS	Date/Time: 09:25	Cooler ID:	Shipper and Number:
Received by:	Date/Time:	Relinquished by:	Date/Time:	Comments: N/A 0602-03/04 <i>Thomas Y...</i>	
Company Name:		Company Name:			
Relinquished by: <i>LAB...</i>	Date/Time: 6-3-16	Received by: <i>McK...</i>	Date/Time: 060316	Verified By: <i>[Signature]</i> 6-3-16	
Company Name: Cross HATS	Date/Time: 11:10	Company Name: TH STL			



Login Sample Receipt Checklist

Client: Westinghouse Electric Company LLC

Job Number: 160-17639-2

Login Number: 17639

List Source: TestAmerica St. Louis

List Number: 1

Creator: Dedner, Connie L

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Definitions/Glossary

Client: Westinghouse Electric Company LLC
Project/Site: HDP RFP-CBA-022 (7 DAY TAT)

TestAmerica Job ID: 160-17639-2

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

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

Method Summary

Client: Westinghouse Electric Company LLC
Project/Site: HDP RFP-CBA-022 (7 DAY TAT)

TestAmerica Job ID: 160-17639-2

Method	Method Description	Protocol	Laboratory
GA-01-R	Radium-226 & Other Gamma Emitters (GS)	DOE	TAL SL

Protocol References:

DOE = U.S. Department of Energy

Laboratory References:

TAL SL = TestAmerica St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566



Sample Summary

Client: Westinghouse Electric Company LLC
Project/Site: HDP RFP-CBA-022 (7 DAY TAT)

TestAmerica Job ID: 160-17639-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-17639-1	L11-02-41-P-S-S-00	Solid	06/01/16 14:00	06/03/16 11:10
160-17639-2	L11-02-42-P-R-S-00	Solid	06/01/16 14:05	06/03/16 11:10
160-17639-3	L11-02-42-P-R-Q-00	Solid	06/01/16 14:05	06/03/16 11:10

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Client Sample Results

Client: Westinghouse Electric Company LLC
 Project/Site: HDP RFP-CBA-022 (7 DAY TAT)

TestAmerica Job ID: 160-17639-2

Client Sample ID: L11-02-41-P-S-S-00

Lab Sample ID: 160-17639-1

Date Collected: 06/01/16 14:00

Matrix: Solid

Date Received: 06/03/16 11:10

Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium 228	0.561		0.104	0.119		0.0799	pCi/g	06/06/16 12:59	06/29/16 18:13	1
Bismuth 212	0.863		0.286	0.300		0.232	pCi/g	06/06/16 12:59	06/29/16 18:13	1
Bismuth 214	0.661		0.0889	0.112		0.0595	pCi/g	06/06/16 12:59	06/29/16 18:13	1
Lead 212	0.485		0.0587	0.0859		0.0619	pCi/g	06/06/16 12:59	06/29/16 18:13	1
Lead 214	0.714		0.0780	0.108		0.0639	pCi/g	06/06/16 12:59	06/29/16 18:13	1
Potassium 40	13.6		1.08	1.76		0.266	pCi/g	06/06/16 12:59	06/29/16 18:13	1
Protactinium 231	0.338	U	0.717	0.718		1.63	pCi/g	06/06/16 12:59	06/29/16 18:13	1
Radium 226	0.661		0.0889	0.112	1.00	0.0595	pCi/g	06/06/16 12:59	06/29/16 18:13	1
Thorium 232	0.561		0.104	0.119		0.0799	pCi/g	06/06/16 12:59	06/29/16 18:13	1
Thorium 234	0.913		0.424	0.434		0.650	pCi/g	06/06/16 12:59	06/29/16 18:13	1
Uranium 235	0.103	U	0.154	0.154		0.302	pCi/g	06/06/16 12:59	06/29/16 18:13	1
Americium 241	-0.0147	U	0.0666	0.0666		0.0943	pCi/g	06/06/16 12:59	06/29/16 18:13	1
Protactinium 234m	1.85	U	3.25	3.25		7.18	pCi/g	06/06/16 12:59	06/29/16 18:13	1
Other Detected Radionuclides			Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Pb-210	1.13		0.430	0.450		0.567	pCi/g	06/06/16 12:59	06/29/16 18:13	1
Tl-208	0.184		0.0338	0.0388		0.0213	pCi/g	06/06/16 12:59	06/29/16 18:13	1

Client Sample ID: L11-02-42-P-R-S-00

Lab Sample ID: 160-17639-2

Date Collected: 06/01/16 14:05

Matrix: Solid

Date Received: 06/03/16 11:10

Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium 228	1.13		0.183	0.216		0.142	pCi/g	06/06/16 12:59	06/28/16 13:08	1
Bismuth 212	1.25		0.588	0.602		0.558	pCi/g	06/06/16 12:59	06/28/16 13:08	1
Bismuth 214	1.10		0.126	0.170		0.0734	pCi/g	06/06/16 12:59	06/28/16 13:08	1
Lead 212	1.14		0.0859	0.171		0.0727	pCi/g	06/06/16 12:59	06/28/16 13:08	1
Lead 214	1.27		0.120	0.178		0.0779	pCi/g	06/06/16 12:59	06/28/16 13:08	1
Potassium 40	18.4		1.36	2.32		0.264	pCi/g	06/06/16 12:59	06/28/16 13:08	1
Protactinium 231	-0.141	U	1.66	1.66		2.79	pCi/g	06/06/16 12:59	06/28/16 13:08	1
Radium 226	1.10		0.126	0.170	1.00	0.0734	pCi/g	06/06/16 12:59	06/28/16 13:08	1
Thorium 232	1.13		0.183	0.216		0.142	pCi/g	06/06/16 12:59	06/28/16 13:08	1
Thorium 234	1.08		0.584	0.595		0.923	pCi/g	06/06/16 12:59	06/28/16 13:08	1
Uranium 235	-0.125	U	0.161	0.162		0.627	pCi/g	06/06/16 12:59	06/28/16 13:08	1
Americium 241	0.0133	U	0.0946	0.0946		0.127	pCi/g	06/06/16 12:59	06/28/16 13:08	1
Protactinium 234m	2.41	U	3.60	3.61		10.9	pCi/g	06/06/16 12:59	06/28/16 13:08	1
Other Detected Radionuclides			Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Tl-208	0.363		0.0534	0.0654		0.0359	pCi/g	06/06/16 12:59	06/28/16 13:08	1

TestAmerica St. Louis

Client Sample Results

Client: Westinghouse Electric Company LLC
 Project/Site: HDP RFP-CBA-022 (7 DAY TAT)

TestAmerica Job ID: 160-17639-2

Client Sample ID: L11-02-42-P-R-Q-00

Lab Sample ID: 160-17639-3

Date Collected: 06/01/16 14:05

Matrix: Solid

Date Received: 06/03/16 11:10

Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Actinium 228	1.03		0.163	0.194		0.226	pCi/g	06/06/16 12:59	06/28/16 13:46	1
Bismuth 212	1.39		0.394	0.419		0.329	pCi/g	06/06/16 12:59	06/28/16 13:46	1
Bismuth 214	1.07		0.132	0.173		0.0853	pCi/g	06/06/16 12:59	06/28/16 13:46	1
Lead 212	1.02		0.0849	0.156		0.0793	pCi/g	06/06/16 12:59	06/28/16 13:46	1
Lead 214	1.34		0.112	0.178		0.102	pCi/g	06/06/16 12:59	06/28/16 13:46	1
Potassium 40	19.3		1.44	2.44		0.424	pCi/g	06/06/16 12:59	06/28/16 13:46	1
Protactinium 231	0.000	U	0.275	0.275		2.79	pCi/g	06/06/16 12:59	06/28/16 13:46	1
Radium 226	1.07		0.132	0.173	1.00	0.0853	pCi/g	06/06/16 12:59	06/28/16 13:46	1
Thorium 232	1.03		0.163	0.194		0.226	pCi/g	06/06/16 12:59	06/28/16 13:46	1
Thorium 234	1.03		0.392	0.406		1.01	pCi/g	06/06/16 12:59	06/28/16 13:46	1
Uranium 235	-0.131	U	0.211	0.212		0.659	pCi/g	06/06/16 12:59	06/28/16 13:46	1
Americium 241	0.0442	U	0.0983	0.0984		0.130	pCi/g	06/06/16 12:59	06/28/16 13:46	1
Protactinium 234m	4.27	U	6.48	6.50		11.3	pCi/g	06/06/16 12:59	06/28/16 13:46	1
Other Detected Radionuclides			Count	Total						
	Result	Qualifier	Uncert.	Uncert.	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Tl-208	0.318		0.0546	0.0638		0.0429	pCi/g	06/06/16 12:59	06/28/16 13:46	1

QC Sample Results

Client: Westinghouse Electric Company LLC
 Project/Site: HDP RFP-CBA-022 (7 DAY TAT)

TestAmerica Job ID: 160-17639-2

Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)

Lab Sample ID: MB 160-254949/1-A
Matrix: Solid
Analysis Batch: 258545

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 254949

Analyte	MB MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Actinium 228	-0.006453	U	0.0603	0.0603		0.0776	pCi/g	06/06/16 12:59	06/29/16 15:50	1
Bismuth 212	0.05863	U	0.107	0.107		0.185	pCi/g	06/06/16 12:59	06/29/16 15:50	1
Bismuth 214	-0.04429	U	0.0282	0.0285		0.128	pCi/g	06/06/16 12:59	06/29/16 15:50	1
Lead 212	0.01500	U	0.0152	0.0153		0.0211	pCi/g	06/06/16 12:59	06/29/16 15:50	1
Lead 214	0.01176	U	0.0169	0.0169		0.0273	pCi/g	06/06/16 12:59	06/29/16 15:50	1
Potassium 40	0.005793	U	0.144	0.144		0.267	pCi/g	06/06/16 12:59	06/29/16 15:50	1
Protactinium 231	0.1096	U	0.268	0.268		0.632	pCi/g	06/06/16 12:59	06/29/16 15:50	1
Radium 226	-0.04429	U	0.0282	0.0285	1.00	0.128	pCi/g	06/06/16 12:59	06/29/16 15:50	1
Thorium 232	-0.006453	U	0.0603	0.0603		0.0776	pCi/g	06/06/16 12:59	06/29/16 15:50	1
Thorium 234	0.1005	U	0.144	0.145		0.222	pCi/g	06/06/16 12:59	06/29/16 15:50	1
Uranium 235	0.01471	U	0.0331	0.0331		0.156	pCi/g	06/06/16 12:59	06/29/16 15:50	1
Americium 241	0.001593	U	0.0259	0.0259		0.0444	pCi/g	06/06/16 12:59	06/29/16 15:50	1
Protactinium 234m	-0.1634	U	2.44	2.44		2.11	pCi/g	06/06/16 12:59	06/29/16 15:50	1
Other Detected Radionuclides	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Other Detected Radionuclide	None						pCi/g	06/06/16 12:59	06/29/16 15:50	1

Lab Sample ID: LCS 160-254949/2-A
Matrix: Solid
Analysis Batch: 258212

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 254949

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec.
				Uncert. (2σ+/-)					Limits
Americium 241	101	104.7		10.9		0.615	pCi/g	104	87 - 116
Cesium 137	33.9	34.59		3.63		0.196	pCi/g	102	87 - 120
Cobalt 60	30.7	30.80		3.12		0.109	pCi/g	100	87 - 115

Lab Sample ID: 160-17639-1 DU
Matrix: Solid
Analysis Batch: 258545

Client Sample ID: L11-02-41-P-S-S-00
Prep Type: Total/NA
Prep Batch: 254949

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total	RL	MDC	Unit	RER	RER
					Uncert. (2σ+/-)					Limit
Actinium 228	0.561		0.7799		0.153		0.0812	pCi/g	0.81	1
Bismuth 212	0.863		1.087		0.338		0.249	pCi/g	0.35	1
Bismuth 214	0.661		0.6865		0.112		0.0605	pCi/g	0.11	1
Lead 212	0.485		0.5892		0.0950		0.0546	pCi/g	0.58	1
Lead 214	0.714		0.8225		0.123		0.0669	pCi/g	0.47	1
Potassium 40	13.6		15.59		1.87		0.308	pCi/g	0.53	1
Protactinium 231	0.338	U	-0.4176	U	1.23		2.06	pCi/g	0.39	1
Radium 226	0.661		0.6865		0.112	1.00	0.0605	pCi/g	0.11	1
Thorium 232	0.561		0.7799		0.153		0.0812	pCi/g	0.81	1
Thorium 234	0.913		0.7625		0.272		0.704	pCi/g	0.21	1
Uranium 235	0.103	U	-0.00528	U	0.263		0.441	pCi/g	0.26	1
Americium 241	-0.0147	U	0.02349	U	0.0759		0.126	pCi/g	0.27	1

TestAmerica St. Louis

QC Sample Results

Client: Westinghouse Electric Company LLC
 Project/Site: HDP RFP-CBA-022 (7 DAY TAT)

TestAmerica Job ID: 160-17639-2

Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS) (Continued)

Lab Sample ID: 160-17639-1 DU
Matrix: Solid
Analysis Batch: 258545

Client Sample ID: L11-02-41-P-S-S-00
Prep Type: Total/NA
Prep Batch: 254949

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER
										Limit
Protactinium 234m	1.85	U	-0.1879	U	4.41		7.54	pCi/g	0.27	1
<i>Total</i>										
<i>Other Detected Radionuclides</i>	<i>Sample Result</i>	<i>Sample Qual</i>	<i>DU Result</i>	<i>DU Qual</i>	<i>Total Uncert. (2σ+/-)</i>	<i>RL</i>	<i>MDC</i>	<i>Unit</i>	<i>RER</i>	<i>RER Limit</i>
<i>Pb-210</i>	<i>1.13</i>		<i>1.735</i>		<i>0.626</i>		<i>0.699</i>	<i>pCi/g</i>	<i>0.56</i>	<i>1</i>
<i>Tl-208</i>	<i>0.184</i>		<i>0.2119</i>		<i>0.0458</i>		<i>0.0322</i>	<i>pCi/g</i>	<i>0.33</i>	<i>1</i>



QC Association Summary

Client: Westinghouse Electric Company LLC
Project/Site: HDP RFP-CBA-022 (7 DAY TAT)

TestAmerica Job ID: 160-17639-2

Rad

Leach Batch: 254761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-17639-1	L11-02-41-P-S-S-00	Total/NA	Solid	Dry and Grind	
160-17639-1 DU	L11-02-41-P-S-S-00	Total/NA	Solid	Dry and Grind	
160-17639-2	L11-02-42-P-R-S-00	Total/NA	Solid	Dry and Grind	
160-17639-3	L11-02-42-P-R-Q-00	Total/NA	Solid	Dry and Grind	

Prep Batch: 254949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-17639-1	L11-02-41-P-S-S-00	Total/NA	Solid	Fill_Geo-21	254761
160-17639-1 DU	L11-02-41-P-S-S-00	Total/NA	Solid	Fill_Geo-21	254761
160-17639-2	L11-02-42-P-R-S-00	Total/NA	Solid	Fill_Geo-21	254761
160-17639-3	L11-02-42-P-R-Q-00	Total/NA	Solid	Fill_Geo-21	254761
LCS 160-254949/2-A	Lab Control Sample	Total/NA	Solid	Fill_Geo-21	
MB 160-254949/1-A	Method Blank	Total/NA	Solid	Fill_Geo-21	