

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: 160-5228-1

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

For:

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

Attn: Martin Swanson



Authorized for release by:

1/27/2014 2:38:36 PM

Ivan Vania, Project Manager II
(314)298-8566

ivan.vania@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

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.

1

2

3

4

5

6

7

8

9

10

11

12



Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Chain of Custody	5
Receipt Checklists	9
Definitions/Glossary	10
Method Summary	11
Sample Summary	12
Client Sample Results	13
QC Sample Results	23
QC Association Summary	26
Tracer Carrier Summary	30

Case Narrative

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

TestAmerica Job ID: 160-5228-1

Job ID: 160-5228-1

Laboratory: TestAmerica St. Louis

Narrative

CASE NARRATIVE

Client: Westinghouse Electric Company LLC

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

Report Number: 160-5228-1

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.

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 01/20/2014; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 18.0° C and 18.0° C.

TECHNETIUM-99 (ICPMS)

Samples L100525BUB00 (160-5228-1), L100526BUB00 (160-5228-2), L100527BUB00 (160-5228-3), L100528BUB00 (160-5228-4), L100501BES00 (160-5228-5), L100502BEQ00 (160-5228-6), L100502BES00 (160-5228-7), L100503BES00 (160-5228-8), L100504BES00 (160-5228-9), L100505BES00 (160-5228-10), L100506BES00 (160-5228-11), L100507BES00 (160-5228-12), L100508BES00 (160-5228-13), L100509BSS00 (160-5228-14), L100510BSS00 (160-5228-15), L100511BSS00 (160-5228-16), L100512BSS00 (160-5228-17), L100513BSS00 (160-5228-18), L100514BSS00 (160-5228-19), L100515BSS00 (160-5228-20), L100516BSS00 (160-5228-21), L100517BSS00 (160-5228-22), L100518BSS00 (160-5228-23), L100519BSS00 (160-5228-24), L100520BSS00 (160-5228-25), L100521BSS00 (160-5228-26), L100522BSS00 (160-5228-27), L100523BSS00 (160-5228-28) and L100524BSS00 (160-5228-29) were analyzed for Technetium-99 (ICPMS) in accordance with EPA SW-846 Method 6020A. The samples were prepared on 01/23/2014 and analyzed on 01/24/2014.

Case Narrative

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

TestAmerica Job ID: 160-5228-1

Job ID: 160-5228-1 (Continued)

Laboratory: TestAmerica St. Louis (Continued)

No difficulties were encountered during the Tc-99 analysis. All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples L100525BUB00 (160-5228-1), L100526BUB00 (160-5228-2), L100527BUB00 (160-5228-3), L100528BUB00 (160-5228-4), L100501BES00 (160-5228-5), L100502BEQ00 (160-5228-6), L100502BES00 (160-5228-7), L100503BES00 (160-5228-8), L100504BES00 (160-5228-9), L100505BES00 (160-5228-10), L100506BES00 (160-5228-11), L100507BES00 (160-5228-12), L100508BES00 (160-5228-13), L100509BSS00 (160-5228-14), L100510BSS00 (160-5228-15), L100511BSS00 (160-5228-16), L100512BSS00 (160-5228-17), L100513BSS00 (160-5228-18), L100514BSS00 (160-5228-19), L100515BSS00 (160-5228-20), L100516BSS00 (160-5228-21), L100517BSS00 (160-5228-22), L100518BSS00 (160-5228-23), L100519BSS00 (160-5228-24), L100520BSS00 (160-5228-25), L100521BSS00 (160-5228-26), L100522BSS00 (160-5228-27), L100523BSS00 (160-5228-28) and L100524BSS00 (160-5228-29) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 01/21/2014.

No difficulties were encountered during the % solids analysis. All quality control parameters were within the acceptance limits.

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.

[illegible]

Hematite Decommissioning Project

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

Revision: 3

Page 1 of 1

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-011914-01 Page 1/3				Requested Analysis												Laboratory Name:	
Project Name:				Comp (C) or Grab (G)	Gamma Spec	Isotopic Uranium	Tc-99	Gamma Spec (21 day ingrow for Ra-226)							Total Containers	TA-MO	
Westinghouse Electric Company																Laboratory Address:	
Contact Person:																13715 Rider Trail North	
Phone Number:																Phone No.	
314-810-3382																314-298-8566	
Sampler Name				Laboratory Contact Person:													
Scott Jenkins				Joe Walker													
				Phone No.													
				708-870-8453													
				Turn Around Time													
				Rush (7 days)													
				Remarks													
Sample ID	Date	Time	Matrix	Comp (C) or Grab (G)	Gamma Spec	Isotopic Uranium	Tc-99	Gamma Spec (21 day ingrow for Ra-226)									
L100501BES00	1/16/2014	8:55	S	C			X	X							1	LSA-10-05 Sys samples	
L100502BEQ00	1/16/2014	9:15	S	C			X	X							1	LSA-10-05 QC samples	
L100502BES00	1/16/2014	9:15	S	C			X	X							1	LSA-10-05 Sys samples	
L100503BES00	1/14/2014	11:05	S	C			X	X							1	LSA-10-05 Sys samples	
L100504BES00	1/14/2014	14:20	S	C			X	X							1	LSA-10-05 Sys samples	
L100505BES00	1/14/2014	10:50	S	C			X	X							1	LSA-10-05 Sys samples	
L100506BES00	1/14/2014	14:00	S	C			X	X							1	LSA-10-05 Sys samples	
L100507BES00	1/14/2014	14:15	S	C			X	X							1	LSA-10-05 Sys samples	
L100508BES00	1/14/2014	10:35	S	C			X	X							1	LSA-10-05 Sys samples	
L100509BSS00	1/17/2014	14:30	S	C			X	X							1	LSA-10-05 Sidewall Samples	
L100510BSS00	1/17/2014	11:10	S	C			X	X							1	LSA-10-05 Sidewall Samples	
L100511BSS00	1/17/2014	10:45	S	C			X	X							1	LSA-10-05 Sidewall Samples	
Relinquished by: <i>C = C</i>				Date/Time: <i>1-20-14 1615</i>	Received by: <i>Joe Brubaker</i>				Date/Time: <i>1-20 1615</i>	Total: 25		Cooler Temperature: Ambient					
Company Name: <i>WEC</i>					Company Name: <i>Crossroads</i>					Cooler ID: 0120-03/04		Shipper and Number:					
Received by:				Date/Time:	Relinquished by: <i>Joe Brubaker</i>				Date/Time: <i>1-20 1859</i>	Comments: Please analyze samples on a 7 TAT for Tc-99. Please analyze samples for gamma spec after a 21 day ingrowth period.							
Company Name:					Company Name: <i>Crossroads</i>												
Relinquished by:				Date/Time:	Received by: <i>Curtis Wilber</i>				Date/Time: <i>1/20/14 1859</i>	Verified By: <i>Curtis Wilber</i>							
Company Name:					Company Name: <i>WEC</i>												

Hematite Decommissioning Project

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

Revision: 3

Page 1 of 1

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-011914-01 Page 2/3				Requested Analysis												Laboratory Name:	
Project Name:				Comp (C) or Grab (G)	Gamma Spec	Isotopic Uranium	Tc-99	Gamma Spec (21 day ingrow for Ra-226)							Total Containers	Laboratory Name:	
Westinghouse Electric Company																TA-MO	
Contact Person:																Laboratory Address:	
Gerald Rood																13715 Rider Trail North	
Phone Number:																314-298-8566	
314-810-3382				Laboratory Contact Person:													
Sampler Name				Joe Walker													
Scott Jenkins				Phone No.													
				708-870-8453													
				Turn Around Time													
				Rush (7 days)													
				Remarks													
Sample ID	Date	Time	Matrix	C			X	X							1	LSA-10-05 Sidewall Samples	
L100512BSS00	1/17/2014	10:50	S	C			X	X							1	LSA-10-05 Sidewall Samples	
L100513BSS00	1/17/2014	14:20	S	C			X	X							1	LSA-10-05 Sidewall Samples	
L100514BSS00	1/17/2014	13:50	S	C			X	X							1	LSA-10-05 Sidewall Samples	
L100515BSS00	1/17/2014	14:10	S	C			X	X							1	LSA-10-05 Sidewall Samples	
L100516BSS00	1/17/2014	11:00	S	C			X	X							1	LSA-10-05 Sidewall Samples	
L100517BSS00	1/16/2014	15:35	S	C			X	X							1	LSA-10-05 Sidewall Samples	
L100518BSS00	1/16/2014	15:10	S	C			X	X							1	LSA-10-05 Sidewall Samples	
L100519BSS00	1/17/2014	14:55	S	C			X	X							1	LSA-10-05 Sidewall Samples	
L100520BSS00	1/17/2014	14:45	S	C			X	X							1	LSA-10-05 Sidewall Samples	
L100521BSS00	1/16/2014	14:15	S	C			X	X							1	LSA-10-05 Sidewall Samples	
L100522BSS00	1/16/2014	14:20	S	C			X	X							1	LSA-10-05 Sidewall Samples	
L100523BSS00	1/16/2014	14:35	S	C			X	X							1	LSA-10-05 Sidewall Samples	
Relinquished by: <i>C = L</i>		Date/Time: <i>1-20-14 16:15</i>		Received by: <i>Joe Brakshaw</i>		Date/Time: <i>1-20 16:15</i>		Total: <i>25</i>		Cooler Temperature: <i>Ambient</i>							
Company Name: <i>WEL</i>				Company Name: <i>Crossroads</i>				Cooler ID: <i>0120-03/04</i>		Shipper and Number:							
Received by:		Date/Time:		Relinquished by: <i>Joe Brakshaw</i>		Date/Time: <i>1-20 10:51</i>		Comments: Please analyze samples on a 7 TAT for Tc-99.									
Company Name:				Company Name: <i>Crossroads</i>				Please analyze samples for gamma spec after a 21 day ingrowth period.									
Relinquished by:		Date/Time:		Received by: <i>K</i>		Date/Time: <i>1/20/14 6:59</i>		Verified By: <i>Curtis Wilder</i>									
Company Name:				Company Name: <i>W</i>													

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.

[illegible]

Login Sample Receipt Checklist

Client: Westinghouse Electric Company LLC

Job Number: 160-5228-1

Login Number: 5228

List Source: TestAmerica St. Louis

List Number: 1

Creator: Daniels, Brian J

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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.	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 $<6\text{mm}$ (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: RFP-CBA-022 (7 DAY TAT)

TestAmerica Job ID: 160-5228-1

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Rad

Qualifier	Qualifier Description
U	Indicates the analyte was 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
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: RFP-CBA-022 (7 DAY TAT)

TestAmerica Job ID: 160-5228-1

Method	Method Description	Protocol	Laboratory
6020A	Metals (ICP/MS), Tc-99	SW846	TAL SL
Moisture	Percent Moisture	EPA	TAL SL
6020A	Metals (ICP/MS), Tc-99 in Activity	SW846	TAL SL

Protocol References:

EPA = US Environmental Protection Agency

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

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: RFP-CBA-022 (7 DAY TAT)

TestAmerica Job ID: 160-5228-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-5228-1	L100525BUB00	Solid	01/19/14 12:50	01/20/14 18:30
160-5228-2	L100526BUB00	Solid	01/19/14 13:00	01/20/14 18:30
160-5228-3	L100527BUB00	Solid	01/19/14 13:10	01/20/14 18:30
160-5228-4	L100528BUB00	Solid	01/19/14 13:15	01/20/14 18:30
160-5228-5	L100501BES00	Solid	01/16/14 08:55	01/20/14 18:30
160-5228-6	L100502BEQ00	Solid	01/16/14 09:15	01/20/14 18:30
160-5228-7	L100502BES00	Solid	01/16/14 09:15	01/20/14 18:30
160-5228-8	L100503BES00	Solid	01/14/14 11:05	01/20/14 18:30
160-5228-9	L100504BES00	Solid	01/14/14 14:20	01/20/14 18:30
160-5228-10	L100505BES00	Solid	01/14/14 10:50	01/20/14 18:30
160-5228-11	L100506BES00	Solid	01/14/14 14:00	01/20/14 18:30
160-5228-12	L100507BES00	Solid	01/14/14 14:15	01/20/14 18:30
160-5228-13	L100508BES00	Solid	01/14/14 10:35	01/20/14 18:30
160-5228-14	L100509BSS00	Solid	01/17/14 14:30	01/20/14 18:30
160-5228-15	L100510BSS00	Solid	01/17/14 11:10	01/20/14 18:30
160-5228-16	L100511BSS00	Solid	01/17/14 10:45	01/20/14 18:30
160-5228-17	L100512BSS00	Solid	01/17/14 10:50	01/20/14 18:30
160-5228-18	L100513BSS00	Solid	01/17/14 14:20	01/20/14 18:30
160-5228-19	L100514BSS00	Solid	01/17/14 13:50	01/20/14 18:30
160-5228-20	L100515BSS00	Solid	01/17/14 14:10	01/20/14 18:30
160-5228-21	L100516BSS00	Solid	01/17/14 11:00	01/20/14 18:30
160-5228-22	L100517BSS00	Solid	01/16/14 15:35	01/20/14 18:30
160-5228-23	L100518BSS00	Solid	01/16/14 15:10	01/20/14 18:30
160-5228-24	L100519BSS00	Solid	01/17/14 14:55	01/20/14 18:30
160-5228-25	L100520BSS00	Solid	01/17/14 14:45	01/20/14 18:30
160-5228-26	L100521BSS00	Solid	01/16/14 14:15	01/20/14 18:30
160-5228-27	L100522BSS00	Solid	01/16/14 14:20	01/20/14 18:30
160-5228-28	L100523BSS00	Solid	01/16/14 14:35	01/20/14 18:30
160-5228-29	L100524BSS00	Solid	01/16/14 15:00	01/20/14 18:30

TestAmerica St. Louis

Client Sample Results

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

TestAmerica Job ID: 160-5228-1

Client Sample ID: L100525BUB00

Lab Sample ID: 160-5228-1

Date Collected: 01/19/14 12:50

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 81.0

Method: 6020A - Metals (ICP/MS), Tc-99

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Technetium 99	ND		0.000067	0.000020	mg/Kg	☼	01/23/14 16:53	01/24/14 18:55	1

Method: 6020A - Metals (ICP/MS), Tc-99 in Activity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Technetium 99	-0.00484	U	-0.0149	0.0163	1.35	0.231	pCi/g	01/23/14 16:53	01/24/14 18:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Re	91		30 - 110					01/23/14 16:53	01/24/14 18:55	1

Client Sample ID: L100526BUB00

Lab Sample ID: 160-5228-2

Date Collected: 01/19/14 13:00

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 76.0

Method: 6020A - Metals (ICP/MS), Tc-99

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Technetium 99	ND		0.000071	0.000021	mg/Kg	☼	01/23/14 16:53	01/24/14 19:06	1

Method: 6020A - Metals (ICP/MS), Tc-99 in Activity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Technetium 99	0.0129	U	0.0225	0.0247	1.43	0.244	pCi/g	01/23/14 16:53	01/24/14 19:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Re	92		30 - 110					01/23/14 16:53	01/24/14 19:06	1

Client Sample ID: L100527BUB00

Lab Sample ID: 160-5228-3

Date Collected: 01/19/14 13:10

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 80.4

Method: 6020A - Metals (ICP/MS), Tc-99

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Technetium 99	ND		0.000068	0.000020	mg/Kg	☼	01/23/14 16:53	01/24/14 19:18	1

Method: 6020A - Metals (ICP/MS), Tc-99 in Activity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Technetium 99	0.283		0.00949	0.0304	1.36	0.232	pCi/g	01/23/14 16:53	01/24/14 19:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Re	91		30 - 110					01/23/14 16:53	01/24/14 19:18	1

TestAmerica St. Louis

Client Sample Results

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

TestAmerica Job ID: 160-5228-1

Client Sample ID: L100528BUB00

Lab Sample ID: 160-5228-4

Date Collected: 01/19/14 13:15

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 71.7

Method: 6020A - Metals (ICP/MS), Tc-99

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Technetium 99	ND		0.000078	0.000023	mg/Kg	☼	01/23/14 16:53	01/24/14 19:22	1

Method: 6020A - Metals (ICP/MS), Tc-99 in Activity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Technetium 99	-0.0137	U	-0.0664	0.0749	1.57	0.268	pCi/g	01/23/14 16:53	01/24/14 19:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Re	89		30 - 110					01/23/14 16:53	01/24/14 19:22	1

Client Sample ID: L100501BES00

Lab Sample ID: 160-5228-5

Date Collected: 01/16/14 08:55

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 72.4

Method: 6020A - Metals (ICP/MS), Tc-99

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Technetium 99	ND		0.000077	0.000023	mg/Kg	☼	01/23/14 16:53	01/24/14 19:26	1

Method: 6020A - Metals (ICP/MS), Tc-99 in Activity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Technetium 99	-0.0242	U	-0.0571	0.0637	1.54	0.263	pCi/g	01/23/14 16:53	01/24/14 19:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Re	90		30 - 110					01/23/14 16:53	01/24/14 19:26	1

Client Sample ID: L100502BEQ00

Lab Sample ID: 160-5228-6

Date Collected: 01/16/14 09:15

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 70.9

Method: 6020A - Metals (ICP/MS), Tc-99

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Technetium 99	ND		0.000087	0.000026	mg/Kg	☼	01/23/14 16:53	01/24/14 19:29	1

Method: 6020A - Metals (ICP/MS), Tc-99 in Activity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Technetium 99	-0.00268	U	-0.0453	0.0557	1.74	0.298	pCi/g	01/23/14 16:53	01/24/14 19:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Re	81		30 - 110					01/23/14 16:53	01/24/14 19:29	1

Client Sample ID: L100502BES00

Lab Sample ID: 160-5228-7

Date Collected: 01/16/14 09:15

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 70.5

Method: 6020A - Metals (ICP/MS), Tc-99

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Technetium 99	ND		0.000082	0.000025	mg/Kg	☼	01/23/14 16:53	01/24/14 19:33	1

TestAmerica St. Louis

Client Sample Results

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

TestAmerica Job ID: 160-5228-1

Client Sample ID: L100502BES00

Lab Sample ID: 160-5228-7

Date Collected: 01/16/14 09:15

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 70.5

Method: 6020A - Metals (ICP/MS), Tc-99 in Activity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Technetium 99	0.0144	U	0.0391	0.0456	1.65	0.282	pCi/g	01/23/14 16:53	01/24/14 19:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Re	86		30 - 110					01/23/14 16:53	01/24/14 19:33	1

Client Sample ID: L100503BES00

Lab Sample ID: 160-5228-8

Date Collected: 01/14/14 11:05

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 83.1

Method: 6020A - Metals (ICP/MS), Tc-99

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Technetium 99	0.00012		0.000067	0.000020	mg/Kg	☼	01/23/14 16:53	01/24/14 19:37	1

Method: 6020A - Metals (ICP/MS), Tc-99 in Activity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Technetium 99	1.99		0.147	0.260	1.34	0.229	pCi/g	01/23/14 16:53	01/24/14 19:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Re	90		30 - 110					01/23/14 16:53	01/24/14 19:37	1

Client Sample ID: L100504BES00

Lab Sample ID: 160-5228-9

Date Collected: 01/14/14 14:20

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 81.3

Method: 6020A - Metals (ICP/MS), Tc-99

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Technetium 99	ND		0.000067	0.000020	mg/Kg	☼	01/23/14 16:53	01/24/14 19:41	1

Method: 6020A - Metals (ICP/MS), Tc-99 in Activity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Technetium 99	0.247		0.0268	0.0380	1.33	0.228	pCi/g	01/23/14 16:53	01/24/14 19:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Re	93		30 - 110					01/23/14 16:53	01/24/14 19:41	1

Client Sample ID: L100505BES00

Lab Sample ID: 160-5228-10

Date Collected: 01/14/14 10:50

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 82.4

Method: 6020A - Metals (ICP/MS), Tc-99

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Technetium 99	ND		0.000068	0.000020	mg/Kg	☼	01/23/14 16:53	01/24/14 19:45	1

TestAmerica St. Louis

Client Sample Results

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

TestAmerica Job ID: 160-5228-1

Client Sample ID: L100505BES00

Lab Sample ID: 160-5228-10

Date Collected: 01/14/14 10:50

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 82.4

Method: 6020A - Metals (ICP/MS), Tc-99 in Activity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Technetium 99	-0.0474	U	-0.0291	0.0334	1.37	0.234	pCi/g	01/23/14 16:53	01/24/14 19:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Re	88		30 - 110					01/23/14 16:53	01/24/14 19:45	1

Client Sample ID: L100506BES00

Lab Sample ID: 160-5228-11

Date Collected: 01/14/14 14:00

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 78.7

Method: 6020A - Metals (ICP/MS), Tc-99

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Technetium 99	ND		0.000073	0.000022	mg/Kg	☼	01/23/14 16:53	01/24/14 19:49	1

Method: 6020A - Metals (ICP/MS), Tc-99 in Activity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Technetium 99	0.0441	U	0.0522	0.0603	1.46	0.250	pCi/g	01/23/14 16:53	01/24/14 19:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Re	87		30 - 110					01/23/14 16:53	01/24/14 19:49	1

Client Sample ID: L100507BES00

Lab Sample ID: 160-5228-12

Date Collected: 01/14/14 14:15

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 77.4

Method: 6020A - Metals (ICP/MS), Tc-99

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Technetium 99	ND		0.000071	0.000021	mg/Kg	☼	01/23/14 16:53	01/24/14 19:53	1

Method: 6020A - Metals (ICP/MS), Tc-99 in Activity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Technetium 99	-0.0174	U	-0.0471	0.0516	1.41	0.242	pCi/g	01/23/14 16:53	01/24/14 19:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Re	91		30 - 110					01/23/14 16:53	01/24/14 19:53	1

Client Sample ID: L100508BES00

Lab Sample ID: 160-5228-13

Date Collected: 01/14/14 10:35

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 76.0

Method: 6020A - Metals (ICP/MS), Tc-99

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Technetium 99	ND		0.000073	0.000022	mg/Kg	☼	01/23/14 16:53	01/24/14 20:04	1

TestAmerica St. Louis

Client Sample Results

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

TestAmerica Job ID: 160-5228-1

Client Sample ID: L100508BES00

Lab Sample ID: 160-5228-13

Date Collected: 01/14/14 10:35

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 76.0

Method: 6020A - Metals (ICP/MS), Tc-99 in Activity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Technetium 99	-0.0135	U	-0.0267	0.0294	1.45	0.249	pCi/g	01/23/14 16:53	01/24/14 20:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Re	91		30 - 110					01/23/14 16:53	01/24/14 20:04	1

Client Sample ID: L100509BSS00

Lab Sample ID: 160-5228-14

Date Collected: 01/17/14 14:30

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 81.0

Method: 6020A - Metals (ICP/MS), Tc-99

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Technetium 99	ND		0.000069	0.000021	mg/Kg	☼	01/23/14 16:53	01/24/14 20:08	1

Method: 6020A - Metals (ICP/MS), Tc-99 in Activity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Technetium 99	-0.0249	U	-0.0362	0.0405	1.37	0.235	pCi/g	01/23/14 16:53	01/24/14 20:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Re	90		30 - 110					01/23/14 16:53	01/24/14 20:08	1

Client Sample ID: L100510BSS00

Lab Sample ID: 160-5228-15

Date Collected: 01/17/14 11:10

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 80.8

Method: 6020A - Metals (ICP/MS), Tc-99

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Technetium 99	0.000032	J	0.000066	0.000020	mg/Kg	☼	01/23/14 16:53	01/24/14 20:12	1

Method: 6020A - Metals (ICP/MS), Tc-99 in Activity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Technetium 99	0.546		0.0697	0.0924	1.33	0.227	pCi/g	01/23/14 16:53	01/24/14 20:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Re	93		30 - 110					01/23/14 16:53	01/24/14 20:12	1

Client Sample ID: L100511BSS00

Lab Sample ID: 160-5228-16

Date Collected: 01/17/14 10:45

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 86.2

Method: 6020A - Metals (ICP/MS), Tc-99

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Technetium 99	ND		0.000064	0.000019	mg/Kg	☼	01/23/14 16:53	01/24/14 20:16	1

TestAmerica St. Louis

Client Sample Results

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

TestAmerica Job ID: 160-5228-1

Client Sample ID: L100511BSS00

Lab Sample ID: 160-5228-16

Date Collected: 01/17/14 10:45

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 86.2

Method: 6020A - Metals (ICP/MS), Tc-99 in Activity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Technetium 99	0.274		0.0372	0.0497	1.28	0.219	pCi/g	01/23/14 16:53	01/24/14 20:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Re	90		30 - 110					01/23/14 16:53	01/24/14 20:16	1

Client Sample ID: L100512BSS00

Lab Sample ID: 160-5228-17

Date Collected: 01/17/14 10:50

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 82.2

Method: 6020A - Metals (ICP/MS), Tc-99

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Technetium 99	ND		0.000067	0.000020	mg/Kg	☼	01/23/14 16:53	01/24/14 20:20	1

Method: 6020A - Metals (ICP/MS), Tc-99 in Activity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Technetium 99	-0.0533	U	-0.0555	0.0615	1.34	0.229	pCi/g	01/23/14 16:53	01/24/14 20:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Re	91		30 - 110					01/23/14 16:53	01/24/14 20:20	1

Client Sample ID: L100513BSS00

Lab Sample ID: 160-5228-18

Date Collected: 01/17/14 14:20

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 80.5

Method: 6020A - Metals (ICP/MS), Tc-99

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Technetium 99	ND		0.000067	0.000020	mg/Kg	☼	01/23/14 16:53	01/24/14 20:24	1

Method: 6020A - Metals (ICP/MS), Tc-99 in Activity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Technetium 99	-0.0210	U	-0.0415	0.0449	1.35	0.231	pCi/g	01/23/14 16:53	01/24/14 20:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Re	92		30 - 110					01/23/14 16:53	01/24/14 20:24	1

Client Sample ID: L100514BSS00

Lab Sample ID: 160-5228-19

Date Collected: 01/17/14 13:50

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 80.8

Method: 6020A - Metals (ICP/MS), Tc-99

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Technetium 99	ND		0.000067	0.000020	mg/Kg	☼	01/23/14 16:53	01/24/14 20:27	1

TestAmerica St. Louis

Client Sample Results

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

TestAmerica Job ID: 160-5228-1

Client Sample ID: L100514BSS00

Lab Sample ID: 160-5228-19

Date Collected: 01/17/14 13:50

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 80.8

Method: 6020A - Metals (ICP/MS), Tc-99 in Activity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Technetium 99	0.0573	U	0.0202	0.0225	1.33	0.228	pCi/g	01/23/14 16:53	01/24/14 20:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Re	93		30 - 110					01/23/14 16:53	01/24/14 20:27	1

Client Sample ID: L100515BSS00

Lab Sample ID: 160-5228-20

Date Collected: 01/17/14 14:10

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 79.6

Method: 6020A - Metals (ICP/MS), Tc-99

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Technetium 99	ND		0.000069	0.000021	mg/Kg	☼	01/23/14 16:53	01/24/14 20:31	1

Method: 6020A - Metals (ICP/MS), Tc-99 in Activity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Technetium 99	-0.0559	U	-0.0151	0.0176	1.38	0.236	pCi/g	01/23/14 16:53	01/24/14 20:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Re	91		30 - 110					01/23/14 16:53	01/24/14 20:31	1

Client Sample ID: L100516BSS00

Lab Sample ID: 160-5228-21

Date Collected: 01/17/14 11:00

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 79.6

Method: 6020A - Metals (ICP/MS), Tc-99

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Technetium 99	ND		0.000068	0.000021	mg/Kg	☼	01/23/14 16:58	01/24/14 20:51	1

Method: 6020A - Metals (ICP/MS), Tc-99 in Activity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Technetium 99	0.000468	U	0.0105	0.0115	1.37	0.234	pCi/g	01/23/14 16:58	01/24/14 20:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Re	92		30 - 110					01/23/14 16:58	01/24/14 20:51	1

Client Sample ID: L100517BSS00

Lab Sample ID: 160-5228-22

Date Collected: 01/16/14 15:35

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 82.0

Method: 6020A - Metals (ICP/MS), Tc-99

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Technetium 99	ND		0.000069	0.000021	mg/Kg	☼	01/23/14 16:58	01/24/14 21:02	1

TestAmerica St. Louis

Client Sample Results

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

TestAmerica Job ID: 160-5228-1

Client Sample ID: L100517BSS00

Lab Sample ID: 160-5228-22

Date Collected: 01/16/14 15:35

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 82.0

Method: 6020A - Metals (ICP/MS), Tc-99 in Activity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Technetium 99	0.0387	U	0.0681	0.0762	1.37	0.235	pCi/g	01/23/14 16:58	01/24/14 21:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Re	89		30 - 110					01/23/14 16:58	01/24/14 21:02	1

Client Sample ID: L100518BSS00

Lab Sample ID: 160-5228-23

Date Collected: 01/16/14 15:10

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 71.4

Method: 6020A - Metals (ICP/MS), Tc-99

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Technetium 99	ND		0.000081	0.000024	mg/Kg	☼	01/23/14 16:58	01/24/14 21:06	1

Method: 6020A - Metals (ICP/MS), Tc-99 in Activity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Technetium 99	-0.00446	U	-0.0176	0.0203	1.63	0.278	pCi/g	01/23/14 16:58	01/24/14 21:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Re	87		30 - 110					01/23/14 16:58	01/24/14 21:06	1

Client Sample ID: L100519BSS00

Lab Sample ID: 160-5228-24

Date Collected: 01/17/14 14:55

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 71.8

Method: 6020A - Metals (ICP/MS), Tc-99

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Technetium 99	ND		0.000079	0.000024	mg/Kg	☼	01/23/14 16:58	01/24/14 21:10	1

Method: 6020A - Metals (ICP/MS), Tc-99 in Activity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Technetium 99	-0.0556	U	-0.0538	0.0607	1.58	0.270	pCi/g	01/23/14 16:58	01/24/14 21:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Re	89		30 - 110					01/23/14 16:58	01/24/14 21:10	1

Client Sample ID: L100520BSS00

Lab Sample ID: 160-5228-25

Date Collected: 01/17/14 14:45

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 74.4

Method: 6020A - Metals (ICP/MS), Tc-99

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Technetium 99	ND		0.000075	0.000022	mg/Kg	☼	01/23/14 16:58	01/24/14 21:14	1

TestAmerica St. Louis

Client Sample Results

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

TestAmerica Job ID: 160-5228-1

Client Sample ID: L100520BSS00

Lab Sample ID: 160-5228-25

Date Collected: 01/17/14 14:45

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 74.4

Method: 6020A - Metals (ICP/MS), Tc-99 in Activity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Technetium 99	-0.0546	U	-0.0141	0.0166	1.50	0.256	pCi/g	01/23/14 16:58	01/24/14 21:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Re	90		30 - 110					01/23/14 16:58	01/24/14 21:14	1

Client Sample ID: L100521BSS00

Lab Sample ID: 160-5228-26

Date Collected: 01/16/14 14:15

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 70.3

Method: 6020A - Metals (ICP/MS), Tc-99

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Technetium 99	ND		0.000082	0.000024	mg/Kg	☼	01/23/14 16:58	01/24/14 21:18	1

Method: 6020A - Metals (ICP/MS), Tc-99 in Activity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Technetium 99	-0.0472	U	-0.00362	0.00651	1.63	0.279	pCi/g	01/23/14 16:58	01/24/14 21:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Re	87		30 - 110					01/23/14 16:58	01/24/14 21:18	1

Client Sample ID: L100522BSS00

Lab Sample ID: 160-5228-27

Date Collected: 01/16/14 14:20

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 73.7

Method: 6020A - Metals (ICP/MS), Tc-99

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Technetium 99	ND		0.000078	0.000023	mg/Kg	☼	01/23/14 16:58	01/24/14 21:22	1

Method: 6020A - Metals (ICP/MS), Tc-99 in Activity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Technetium 99	0.110	U	0.125	0.143	1.55	0.266	pCi/g	01/23/14 16:58	01/24/14 21:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Re	88		30 - 110					01/23/14 16:58	01/24/14 21:22	1

Client Sample ID: L100523BSS00

Lab Sample ID: 160-5228-28

Date Collected: 01/16/14 14:35

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 75.4

Method: 6020A - Metals (ICP/MS), Tc-99

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Technetium 99	ND		0.000074	0.000022	mg/Kg	☼	01/23/14 16:58	01/24/14 21:25	1

TestAmerica St. Louis

Client Sample Results

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

TestAmerica Job ID: 160-5228-1

Client Sample ID: L100523BSS00

Lab Sample ID: 160-5228-28

Date Collected: 01/16/14 14:35

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 75.4

Method: 6020A - Metals (ICP/MS), Tc-99 in Activity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Technetium 99	0.0593	U	0.0452	0.0512	1.49	0.254	pCi/g	01/23/14 16:58	01/24/14 21:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Re	89		30 - 110					01/23/14 16:58	01/24/14 21:25	1

Client Sample ID: L100524BSS00

Lab Sample ID: 160-5228-29

Date Collected: 01/16/14 15:00

Matrix: Solid

Date Received: 01/20/14 18:30

Percent Solids: 73.5

Method: 6020A - Metals (ICP/MS), Tc-99

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Technetium 99	ND		0.000077	0.000023	mg/Kg	☼	01/23/14 16:58	01/24/14 21:37	1

Method: 6020A - Metals (ICP/MS), Tc-99 in Activity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Technetium 99	-0.0477	U	-0.126	0.142	1.54	0.264	pCi/g	01/23/14 16:58	01/24/14 21:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Re	89		30 - 110					01/23/14 16:58	01/24/14 21:37	1

QC Sample Results

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

TestAmerica Job ID: 160-5228-1

Method: 6020A - Metals (ICP/MS), Tc-99

Lab Sample ID: MB 160-101018/1-A

Matrix: Solid

Analysis Batch: 101151

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101018

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Technetium 99	ND		0.000052	0.000016	mg/Kg		01/23/14 16:53	01/24/14 18:47	1

Lab Sample ID: LCS 160-101018/2-A

Matrix: Solid

Analysis Batch: 101151

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101018

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Technetium 99	0.00239	0.00246		mg/Kg		103	80 - 120

Lab Sample ID: 160-5228-1 MS

Matrix: Solid

Analysis Batch: 101151

Client Sample ID: L100525BUB00

Prep Type: Total/NA

Prep Batch: 101018

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Technetium 99	ND		0.00294	0.00307		mg/Kg	☼	104	75 - 125

Lab Sample ID: 160-5228-1 MSD

Matrix: Solid

Analysis Batch: 101151

Client Sample ID: L100525BUB00

Prep Type: Total/NA

Prep Batch: 101018

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Technetium 99	ND		0.00297	0.00311		mg/Kg	☼	105	75 - 125	1	30

Lab Sample ID: MB 160-101020/1-A

Matrix: Solid

Analysis Batch: 101151

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101020

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Technetium 99	ND		0.000052	0.000016	mg/Kg		01/23/14 16:58	01/24/14 20:35	1

Lab Sample ID: LCS 160-101020/2-A

Matrix: Solid

Analysis Batch: 101151

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101020

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Technetium 99	0.00241	0.00252		mg/Kg		105	80 - 120

Lab Sample ID: 160-5228-21 MS

Matrix: Solid

Analysis Batch: 101151

Client Sample ID: L100516BSS00

Prep Type: Total/NA

Prep Batch: 101020

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Technetium 99	ND		0.00303	0.00320		mg/Kg	☼	106	75 - 125

Lab Sample ID: 160-5228-21 MSD

Matrix: Solid

Analysis Batch: 101151

Client Sample ID: L100516BSS00

Prep Type: Total/NA

Prep Batch: 101020

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Technetium 99	ND		0.00302	0.00321		mg/Kg	☼	106	75 - 125	0	30

TestAmerica St. Louis

QC Sample Results

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

TestAmerica Job ID: 160-5228-1

Method: 6020A - Metals (ICP/MS), Tc-99 in Activity

Lab Sample ID: MB 160-101018/1-A

Matrix: Solid

Analysis Batch: 101152

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101018

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Technetium 99	-0.01724	U	-0.0514	0.0535	1.04	0.178	pCi/g	01/23/14 16:53	01/24/14 18:47	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Re	96		30 - 110					01/23/14 16:53	01/24/14 18:47	1

Lab Sample ID: LCS 160-101018/2-A

Matrix: Solid

Analysis Batch: 101152

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101018

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Technetium 99			40.9	42.12		4.23	1.04	0.177	pCi/g	103	80 - 120		
Carrier	LCS %Yield	LCS Qualifier	Limits										
Re	96		30 - 110										

Lab Sample ID: 160-5228-1 MS

Matrix: Solid

Analysis Batch: 101152

Client Sample ID: L100525BUB00

Prep Type: Total/NA

Prep Batch: 101018

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Technetium 99	-0.00484	U	50.4	52.57		5.27	1.34	0.229	pCi/g	104	75 - 125		
Carrier	MS %Yield	MS Qualifier	Limits										
Re	92		30 - 110										

Lab Sample ID: 160-5228-1 MSD

Matrix: Solid

Analysis Batch: 101152

Client Sample ID: L100525BUB00

Prep Type: Total/NA

Prep Batch: 101018

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Technetium 99	-0.00484	U	50.8	53.31		5.45	1.35	0.232	pCi/g	105	75 - 125	0.07	1
Carrier	MSD %Yield	MSD Qualifier	Limits										
Re	91		30 - 110										

Lab Sample ID: MB 160-101020/1-A

Matrix: Solid

Analysis Batch: 101152

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101020

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Technetium 99	-0.03826	U	-0.0207	0.0221	1.05	0.180	pCi/g	01/23/14 16:58	01/24/14 20:35	1

TestAmerica St. Louis

QC Sample Results

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

TestAmerica Job ID: 160-5228-1

Method: 6020A - Metals (ICP/MS), Tc-99 in Activity (Continued)

Lab Sample ID: MB 160-101020/1-A

Matrix: Solid

Analysis Batch: 101152

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101020

	MB	MB	
Carrier	%Yield	Qualifier	Limits
Re	95		30 - 110

Prepared	Analyzed	Dil Fac
01/23/14 16:58	01/24/14 20:35	1

Lab Sample ID: LCS 160-101020/2-A

Matrix: Solid

Analysis Batch: 101152

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101020

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Technetium 99		41.3	43.18		4.19	1.06	0.181	pCi/g	105	80 - 120		
Carrier	LCS %Yield	LCS Qualifier	Limits									
Re	95		30 - 110									

Lab Sample ID: 160-5228-21 MS

Matrix: Solid

Analysis Batch: 101152

Client Sample ID: L100516BSS00

Prep Type: Total/NA

Prep Batch: 101020

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Technetium 99	0.000468	U	51.8	54.73		5.66	1.34	0.230	pCi/g	106	75 - 125		
Carrier	MS %Yield	MS Qualifier	Limits										
Re	94		30 - 110										

Lab Sample ID: 160-5228-21 MSD

Matrix: Solid

Analysis Batch: 101152

Client Sample ID: L100516BSS00

Prep Type: Total/NA

Prep Batch: 101020

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Technetium 99	0.000468	U	51.6	54.91		6.52	1.39	0.238	pCi/g	106	75 - 125	0.01	1
Carrier	MSD %Yield	MSD Qualifier	Limits										
Re	91		30 - 110										

QC Association Summary

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

TestAmerica Job ID: 160-5228-1

Metals

Prep Batch: 101018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-5228-1	L100525BUB00	Total/NA	Solid	None	
160-5228-1 MS	L100525BUB00	Total/NA	Solid	None	
160-5228-1 MSD	L100525BUB00	Total/NA	Solid	None	
160-5228-2	L100526BUB00	Total/NA	Solid	None	
160-5228-3	L100527BUB00	Total/NA	Solid	None	
160-5228-4	L100528BUB00	Total/NA	Solid	None	
160-5228-5	L100501BES00	Total/NA	Solid	None	
160-5228-6	L100502BEQ00	Total/NA	Solid	None	
160-5228-7	L100502BES00	Total/NA	Solid	None	
160-5228-8	L100503BES00	Total/NA	Solid	None	
160-5228-9	L100504BES00	Total/NA	Solid	None	
160-5228-10	L100505BES00	Total/NA	Solid	None	
160-5228-11	L100506BES00	Total/NA	Solid	None	
160-5228-12	L100507BES00	Total/NA	Solid	None	
160-5228-13	L100508BES00	Total/NA	Solid	None	
160-5228-14	L100509BSS00	Total/NA	Solid	None	
160-5228-15	L100510BSS00	Total/NA	Solid	None	
160-5228-16	L100511BSS00	Total/NA	Solid	None	
160-5228-17	L100512BSS00	Total/NA	Solid	None	
160-5228-18	L100513BSS00	Total/NA	Solid	None	
160-5228-19	L100514BSS00	Total/NA	Solid	None	
160-5228-20	L100515BSS00	Total/NA	Solid	None	
LCS 160-101018/2-A	Lab Control Sample	Total/NA	Solid	None	
MB 160-101018/1-A	Method Blank	Total/NA	Solid	None	

Prep Batch: 101020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-5228-21	L100516BSS00	Total/NA	Solid	None	
160-5228-21 MS	L100516BSS00	Total/NA	Solid	None	
160-5228-21 MSD	L100516BSS00	Total/NA	Solid	None	
160-5228-22	L100517BSS00	Total/NA	Solid	None	
160-5228-23	L100518BSS00	Total/NA	Solid	None	
160-5228-24	L100519BSS00	Total/NA	Solid	None	
160-5228-25	L100520BSS00	Total/NA	Solid	None	
160-5228-26	L100521BSS00	Total/NA	Solid	None	
160-5228-27	L100522BSS00	Total/NA	Solid	None	
160-5228-28	L100523BSS00	Total/NA	Solid	None	
160-5228-29	L100524BSS00	Total/NA	Solid	None	
LCS 160-101020/2-A	Lab Control Sample	Total/NA	Solid	None	
MB 160-101020/1-A	Method Blank	Total/NA	Solid	None	

Analysis Batch: 101151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-5228-1	L100525BUB00	Total/NA	Solid	6020A	101018
160-5228-1 MS	L100525BUB00	Total/NA	Solid	6020A	101018
160-5228-1 MSD	L100525BUB00	Total/NA	Solid	6020A	101018
160-5228-2	L100526BUB00	Total/NA	Solid	6020A	101018
160-5228-3	L100527BUB00	Total/NA	Solid	6020A	101018
160-5228-4	L100528BUB00	Total/NA	Solid	6020A	101018
160-5228-5	L100501BES00	Total/NA	Solid	6020A	101018
160-5228-6	L100502BEQ00	Total/NA	Solid	6020A	101018

TestAmerica St. Louis

QC Association Summary

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

TestAmerica Job ID: 160-5228-1

Metals (Continued)

Analysis Batch: 101151 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-5228-7	L100502BES00	Total/NA	Solid	6020A	101018
160-5228-8	L100503BES00	Total/NA	Solid	6020A	101018
160-5228-9	L100504BES00	Total/NA	Solid	6020A	101018
160-5228-10	L100505BES00	Total/NA	Solid	6020A	101018
160-5228-11	L100506BES00	Total/NA	Solid	6020A	101018
160-5228-12	L100507BES00	Total/NA	Solid	6020A	101018
160-5228-13	L100508BES00	Total/NA	Solid	6020A	101018
160-5228-14	L100509BSS00	Total/NA	Solid	6020A	101018
160-5228-15	L100510BSS00	Total/NA	Solid	6020A	101018
160-5228-16	L100511BSS00	Total/NA	Solid	6020A	101018
160-5228-17	L100512BSS00	Total/NA	Solid	6020A	101018
160-5228-18	L100513BSS00	Total/NA	Solid	6020A	101018
160-5228-19	L100514BSS00	Total/NA	Solid	6020A	101018
160-5228-20	L100515BSS00	Total/NA	Solid	6020A	101018
160-5228-21	L100516BSS00	Total/NA	Solid	6020A	101020
160-5228-21 MS	L100516BSS00	Total/NA	Solid	6020A	101020
160-5228-21 MSD	L100516BSS00	Total/NA	Solid	6020A	101020
160-5228-22	L100517BSS00	Total/NA	Solid	6020A	101020
160-5228-23	L100518BSS00	Total/NA	Solid	6020A	101020
160-5228-24	L100519BSS00	Total/NA	Solid	6020A	101020
160-5228-25	L100520BSS00	Total/NA	Solid	6020A	101020
160-5228-26	L100521BSS00	Total/NA	Solid	6020A	101020
160-5228-27	L100522BSS00	Total/NA	Solid	6020A	101020
160-5228-28	L100523BSS00	Total/NA	Solid	6020A	101020
160-5228-29	L100524BSS00	Total/NA	Solid	6020A	101020
LCS 160-101018/2-A	Lab Control Sample	Total/NA	Solid	6020A	101018
LCS 160-101020/2-A	Lab Control Sample	Total/NA	Solid	6020A	101020
MB 160-101018/1-A	Method Blank	Total/NA	Solid	6020A	101018
MB 160-101020/1-A	Method Blank	Total/NA	Solid	6020A	101020

General Chemistry

Analysis Batch: 100283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-5228-1	L100525BUB00	Total/NA	Solid	Moisture	
160-5228-2	L100526BUB00	Total/NA	Solid	Moisture	
160-5228-3	L100527BUB00	Total/NA	Solid	Moisture	
160-5228-4	L100528BUB00	Total/NA	Solid	Moisture	
160-5228-5	L100501BES00	Total/NA	Solid	Moisture	
160-5228-6	L100502BEQ00	Total/NA	Solid	Moisture	
160-5228-7	L100502BES00	Total/NA	Solid	Moisture	
160-5228-8	L100503BES00	Total/NA	Solid	Moisture	
160-5228-9	L100504BES00	Total/NA	Solid	Moisture	
160-5228-10	L100505BES00	Total/NA	Solid	Moisture	
160-5228-11	L100506BES00	Total/NA	Solid	Moisture	
160-5228-12	L100507BES00	Total/NA	Solid	Moisture	
160-5228-13	L100508BES00	Total/NA	Solid	Moisture	
160-5228-14	L100509BSS00	Total/NA	Solid	Moisture	
160-5228-15	L100510BSS00	Total/NA	Solid	Moisture	
160-5228-16	L100511BSS00	Total/NA	Solid	Moisture	

TestAmerica St. Louis

QC Association Summary

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

TestAmerica Job ID: 160-5228-1

General Chemistry (Continued)

Analysis Batch: 100283 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-5228-17	L100512BSS00	Total/NA	Solid	Moisture	
160-5228-18	L100513BSS00	Total/NA	Solid	Moisture	
160-5228-19	L100514BSS00	Total/NA	Solid	Moisture	
160-5228-20	L100515BSS00	Total/NA	Solid	Moisture	
160-5228-21	L100516BSS00	Total/NA	Solid	Moisture	
160-5228-22	L100517BSS00	Total/NA	Solid	Moisture	
160-5228-23	L100518BSS00	Total/NA	Solid	Moisture	
160-5228-24	L100519BSS00	Total/NA	Solid	Moisture	
160-5228-25	L100520BSS00	Total/NA	Solid	Moisture	
160-5228-26	L100521BSS00	Total/NA	Solid	Moisture	
160-5228-27	L100522BSS00	Total/NA	Solid	Moisture	
160-5228-28	L100523BSS00	Total/NA	Solid	Moisture	
160-5228-29	L100524BSS00	Total/NA	Solid	Moisture	
160-5228-29 DU	L100524BSS00	Total/NA	Solid	Moisture	

Rad

Prep Batch: 101018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-5228-1	L100525BUB00	Total/NA	Solid	None	
160-5228-1 MS	L100525BUB00	Total/NA	Solid	None	
160-5228-1 MSD	L100525BUB00	Total/NA	Solid	None	
160-5228-2	L100526BUB00	Total/NA	Solid	None	
160-5228-3	L100527BUB00	Total/NA	Solid	None	
160-5228-4	L100528BUB00	Total/NA	Solid	None	
160-5228-5	L100501BES00	Total/NA	Solid	None	
160-5228-6	L100502BEQ00	Total/NA	Solid	None	
160-5228-7	L100502BES00	Total/NA	Solid	None	
160-5228-8	L100503BES00	Total/NA	Solid	None	
160-5228-9	L100504BES00	Total/NA	Solid	None	
160-5228-10	L100505BES00	Total/NA	Solid	None	
160-5228-11	L100506BES00	Total/NA	Solid	None	
160-5228-12	L100507BES00	Total/NA	Solid	None	
160-5228-13	L100508BES00	Total/NA	Solid	None	
160-5228-14	L100509BSS00	Total/NA	Solid	None	
160-5228-15	L100510BSS00	Total/NA	Solid	None	
160-5228-16	L100511BSS00	Total/NA	Solid	None	
160-5228-17	L100512BSS00	Total/NA	Solid	None	
160-5228-18	L100513BSS00	Total/NA	Solid	None	
160-5228-19	L100514BSS00	Total/NA	Solid	None	
160-5228-20	L100515BSS00	Total/NA	Solid	None	
LCS 160-101018/2-A	Lab Control Sample	Total/NA	Solid	None	
MB 160-101018/1-A	Method Blank	Total/NA	Solid	None	

Prep Batch: 101020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-5228-21	L100516BSS00	Total/NA	Solid	None	
160-5228-21 MS	L100516BSS00	Total/NA	Solid	None	
160-5228-21 MSD	L100516BSS00	Total/NA	Solid	None	
160-5228-22	L100517BSS00	Total/NA	Solid	None	

TestAmerica St. Louis

QC Association Summary

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

TestAmerica Job ID: 160-5228-1

Rad (Continued)

Prep Batch: 101020 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-5228-23	L100518BSS00	Total/NA	Solid	None	
160-5228-24	L100519BSS00	Total/NA	Solid	None	
160-5228-25	L100520BSS00	Total/NA	Solid	None	
160-5228-26	L100521BSS00	Total/NA	Solid	None	
160-5228-27	L100522BSS00	Total/NA	Solid	None	
160-5228-28	L100523BSS00	Total/NA	Solid	None	
160-5228-29	L100524BSS00	Total/NA	Solid	None	
LCS 160-101020/2-A	Lab Control Sample	Total/NA	Solid	None	
MB 160-101020/1-A	Method Blank	Total/NA	Solid	None	

Tracer/Carrier Summary

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

TestAmerica Job ID: 160-5228-1

Method: 6020A - Metals (ICP/MS), Tc-99 in Activity

Matrix: Solid

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Re (30-110)	
160-5228-1	L100525BUB00	91	
160-5228-1 MS	L100525BUB00	92	
160-5228-1 MSD	L100525BUB00	91	
160-5228-2	L100526BUB00	92	
160-5228-3	L100527BUB00	91	
160-5228-4	L100528BUB00	89	
160-5228-5	L100501BES00	90	
160-5228-6	L100502BEQ00	81	
160-5228-7	L100502BES00	86	
160-5228-8	L100503BES00	90	
160-5228-9	L100504BES00	93	
160-5228-10	L100505BES00	88	
160-5228-11	L100506BES00	87	
160-5228-12	L100507BES00	91	
160-5228-13	L100508BES00	91	
160-5228-14	L100509BSS00	90	
160-5228-15	L100510BSS00	93	
160-5228-16	L100511BSS00	90	
160-5228-17	L100512BSS00	91	
160-5228-18	L100513BSS00	92	
160-5228-19	L100514BSS00	93	
160-5228-20	L100515BSS00	91	
160-5228-21	L100516BSS00	92	
160-5228-21 MS	L100516BSS00	94	
160-5228-21 MSD	L100516BSS00	91	
160-5228-22	L100517BSS00	89	
160-5228-23	L100518BSS00	87	
160-5228-24	L100519BSS00	89	
160-5228-25	L100520BSS00	90	
160-5228-26	L100521BSS00	87	
160-5228-27	L100522BSS00	88	
160-5228-28	L100523BSS00	89	
160-5228-29	L100524BSS00	89	
LCS 160-101018/2-A	Lab Control Sample	96	
LCS 160-101020/2-A	Lab Control Sample	95	
MB 160-101018/1-A	Method Blank	96	
MB 160-101020/1-A	Method Blank	95	

Tracer/Carrier Legend

Re = Re