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Environmental Measurements Laboratory

SEMI-ANNUAL REPORT OF THE DEPARTMENT OF ENERGY,
OFFICE OF ENVIRONMENTAL MANAGEMENT,
QUALITY ASSESSMENT PROGRAM

Colin G. Sanderson, Pamela Greenlaw and Vivian Pan
July 3, 1995



DEPARTMENT OF ENERGY

NEW YORK, N. Y. 10014

MASTER

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**Environmental Measurements Laboratory
U. S. Department of Energy
New York, NY 10014-3621**

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ABSTRACT

This report presents the results from the analysis of the 42st set of environmental quality assessment samples (QAP XLII) that were received on or before June 1, 1995.

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INTRODUCTION

This Quality Assessment Program (QAP) is designed to test the quality of the environmental measurements being reported to the Department of Energy by its contractors. Since 1976, real or synthetic environmental samples that have been prepared and thoroughly analyzed at the Environmental Measurements Laboratory (EML) have been distributed at first quarterly and then semi-annually to these contractors. Their results, which are returned to EML within 90 days, are compiled with EML's results and are reported back to the participating contractors 30 days later. A summary of the reported results is available to the participants 2 days after the reporting deadline via a modem-telephone connection to the EML computer.

This is the 46th report of this program. Preceding reports in this series are:

HASL-317	(February 1, 1977)	PNL-5079	(April 1, 1984)
HASL-319	(May 2, 1977)	EML-431	(September 1, 1984)
HASL-323	(August 1, 1977)	EML-432	(November 1, 1984)
HASL-331	(November 1, 1977)	EML-438	(March 1, 1985)
EML-336	(January 1, 1978)	EML-439	(March 1, 1984)
EML-337	(February 1, 1978)	EML-448	(October 1, 1985)
EML-340	(May 1, 1978)	EML-453	(March 1, 1986)
EML-343	(August 1, 1978)	EML-454	(March 1, 1986)
EML-346	(November 1, 1978)	EML-477	(October 1, 1986)
EML-350	(February 1, 1979)	EML-478	(March 1, 1987)
EML-351	(February 1, 1979)	EML-498	(September 1, 1987)
EML-354	(May 1, 1979)	EML-518	(January 2, 1989)
EML-358	(August 1, 1979)	EML-525*	(August 1, 1989)
EML-364	(November 1, 1979)	EML-526	(January 2, 1990)
EML-368	(February 1, 1980)	EML-530	(July 2, 1990)
EML-377	(August 1, 1979)	EML-535	(January 1, 1991)
EML-387	(February 1, 1981)	EML-539	(July 1, 1991)
EML-388	(February 1, 1981)	EML-543	(January 2, 1992)
EML-393	(August 3, 1981)	EML-546	(July 1, 1992)
EML-402	(February 1, 1982)	EML-551	(January 4, 1993)
EML-414	(April 1, 1983)	EML-556	(July 1, 1993)
EML-417	(September 1, 1983)	EML-559	(January 5, 1994)
EML-426	(March 1, 1984)	EML-561	(July 1, 1994)
		EML-565	(January 5, 1995)

*Please note this is a corrected report number.

RESULTS

The results from the analysis of QAP-XLII samples received on or before June 1, 1995 are listed according to the TABLE OF CONTENTS. The data for the different kinds of samples are given in the following units:

Nuclear Species

Air Filters	Bq filter ⁻¹
Soil	Bq kg ⁻¹
Tissue	Bq kg ⁻¹
Vegetation	Bq kg ⁻¹
Water	Bq L ⁻¹

The values for elemental uranium are reported in µg filter⁻¹, g, or mL.

The 'EML value' listed in the tables to which the contractors' results are compared is the mean of replicate determinations for each nuclide. The EML uncertainty is the standard error of the mean. All other uncertainties are as reported by the participants.

With the issuance of this report, we are implementing a new evaluation system. The control limits were established from percentiles of historic data distributions (1982-1992). The evaluation of this historic data and the development of the control limits is presented in DOE report EML-564.

Participants' analytical performance is evaluated based on the historical analytical capabilities for individual analyte/matrix pairs. The criteria for acceptable performance, "a", has been chosen to be between the 15th and 85th percentile of the cumulative normalized distribution, which can be viewed as the middle 70% of all historic measurements. The acceptable with warning criteria, "W", is between the 5th and 15th percentile and between the 85th and 95th percentile. In other words, the middle 90% of all reported values are acceptable, while the outer 5th-15th (10%) and 85th-95th percentiles (10%) are in the warning area. The not acceptable criteria, "N", is established at less than the 5th percentile and greater than the 95th percentile, that is, the outer 10% of the historical data. These control limits for all 48 i/j pairs are listed in the Table of Control Limits & Performance Criteria (p. 4).

QAP is an external assessment of environmental radiological analyses. If your laboratory is performing other types of analyses (screening, high-level radiological), this evaluation system may not be appropriate, and you should continue to use an evaluation system appropriate to your data objectives.

TABLE OF CONTENTS

Summary Figure of QAP-XLII Evaluations	1
Table of Statistical Summary	2
Table of Control Limits and Performance Criteria	4
Summary of Matrix Evaluations by Laboratory	6
Summary of Laboratory Evaluations by Matrix	32
Summary of Matrix Evaluations by Nuclide	41
Results Ordered by Laboratory	
AA (EML)	45
AC	47
AE	48
AG	49
AM	51
AN	52
AR	54
AT	56
AU	57
AW	58
BA	59
BC	60
BE	61
BK	63
BL	64
BM	65
BN	67
BP	68
BQ	69
BR	70
BS	71
BU	72
BX	73
CA	74
CC	75
CH	77
CL	79
CP	81
CS	82
DC	83
EB	85
EE	86
EG	87
EL	88
EP	89

ES	90
ET	92
FG	94
FL	95
FM	96
FN	97
FS	98
GA	99
GE	100
GS	102
HA	103
HC	104
HI	105
HL	106
HR	107
ID	108
IE	109
IN	110
IR	111
IS	112
IT	114
KA	115
LA	116
LB	119
LH	120
LL	122
LM	123
LW	124
MA	125
ME	126
MI	127
ML	128
NA	129
NC	131
NJ	132
NL	133
NY	134
OB	135
OD	136
OI	137
OL	138
OR	139
OS	140
OT	141
PA	142
PB	143
PC	144
PI	145
PR	146
RE	147
RF	148

RG	149
RI	150
SA	151
SC	152
SK	153
SR	154
SS	155
SV	156
SW	157
TI	158
TM	160
TN	161
TO	162
TY	163
UC	164
UK	165
UP	166
UY	167
WA	168
WC	170
WI	171
WN	172
WP	173
WS	174
WV	175
YA	176

Results Ordered by Matrix/Nuclide

Air

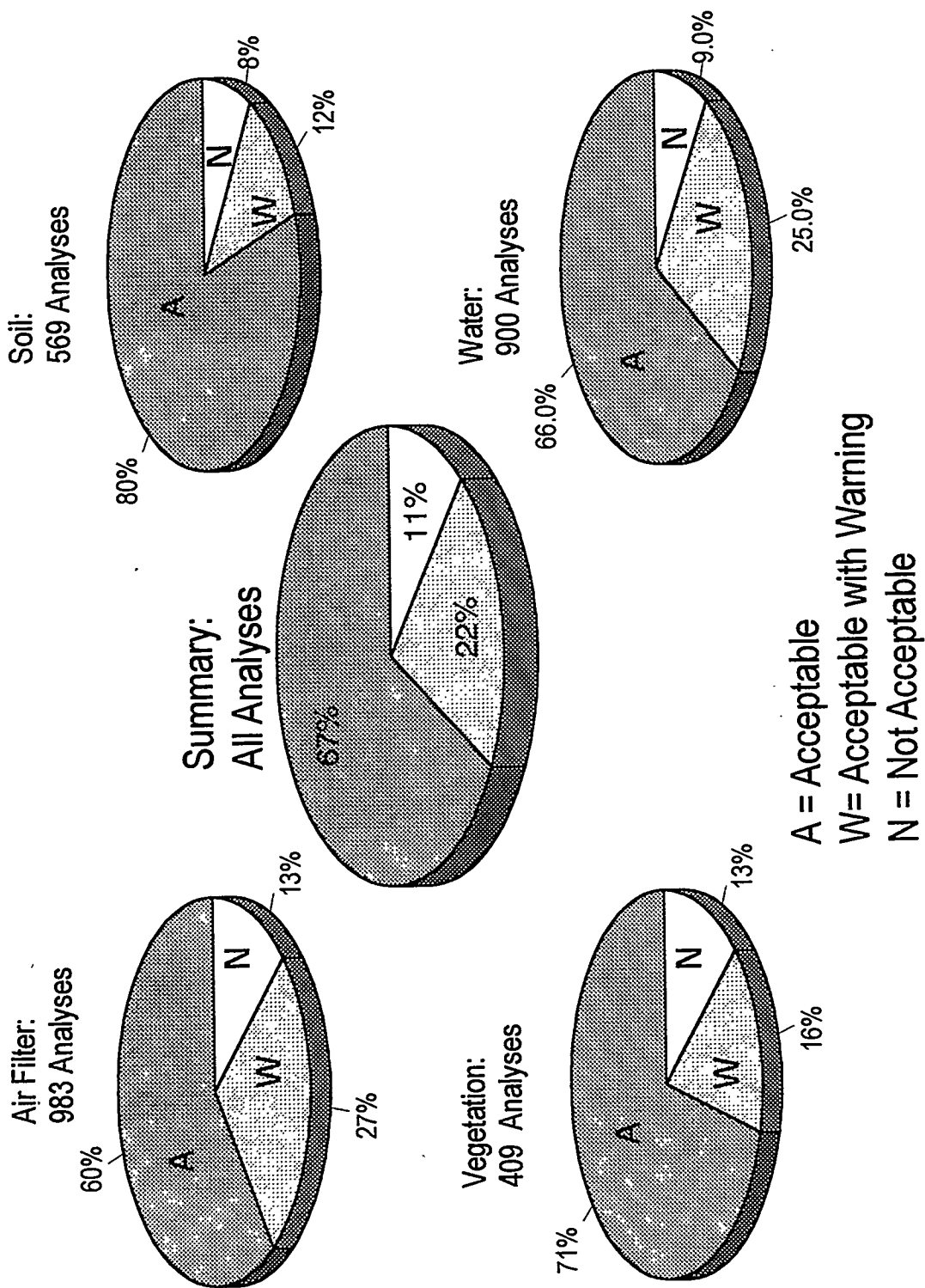
²⁴¹ Am	178
¹⁴⁴ Ce	180
⁵⁷ Co	182
⁶⁰ Co	184
¹³⁴ Cs	186
¹³⁷ Cs	188
Gross Alpha (GA)	190
Gross Beta (GB)	192
⁵⁴ Mn	194
²³⁸ Pu	196
²³⁹ Pu	198
¹²⁵ Sb	200
⁹⁰ Sr	202
²³⁴ U	204
²³⁵ U	205
²³⁸ U	206
U Bq	207
U µg	208

Soil	
²⁴¹ Am	209
¹³⁷ Cs	211
⁴⁰ K	214
²³⁸ Pu	216
²³⁹ Pu	218
⁹⁰ Sr	220
²³⁴ U	222
²³⁵ U	224
²³⁸ U	225
U Bq	227
U µg	228
 Vegetation	
²⁴¹ Am	229
⁶⁰ Co	231
¹³⁷ Cs	233
⁴⁰ K	235
²³⁸ Pu	237
²³⁹ Pu	238
⁹⁰ Sr	240
 Water	
²⁴¹ Am	242
⁶⁰ Co	244
¹³⁴ Cs	247
¹³⁷ Cs	250
⁵⁵ Fe	253
Gross Alpha (GA)	254
Gross Beta (GB)	256
³ H	258
⁵⁴ Mn	260
²³⁹ Pu	263
⁹⁰ Sr	265
²³⁴ U	267
²³⁵ U	269
U Bq	270
U µg	271

List of Labcodes of Participating Laboratories for EML QAP XLI

Laboratories Reporting Data	272
Laboratories Not Reporting Data	277

QAP 42 Summary of Evaluations of 2861 Reported Analyses



Statistical Summary

Nuclide	EML Value	EML Error	Mean Ratio	Median Ratio	No. of Reported Values	Standard Deviation
Matrix:AI						
AM241	0.177	0.003	1.03	1.01	52	0.20
CE144	91.200	0.912	0.78	0.75	67	0.14
CO 57	12.700	0.127	0.81	0.78	72	0.15
CO 60	3.760	0.376	0.87	0.85	74	0.10
CS134	5.750	0.575	0.90	0.89	76	0.10
CS137	5.280	0.528	0.90	0.88	77	0.11
GA	3.220	0.240	1.14	1.15	49	0.16
GB	1.850	0.139	1.06	1.04	47	0.23
MN 54	4.710	0.470	0.90	0.87	75	0.11
PU238	0.122	0.004	0.97	0.99	52	0.14
PU239	0.062	0.002	1.04	1.01	49	0.15
SB125	9.420	0.942	0.93	0.91	71	0.17
SR 90	0.739	0.054	1.11	1.06	43	0.18
U 234	0.059	0.002	1.21	1.17	24	0.21
U 235	0.030	0.009	1.16	1.19	8	0.19
U 238	0.002	0.000	1.41	1.40	4	0.43
U BQ	0.091	0.005	0.98	1.04	8	0.26
U UG	0.538	0.021	1.17	1.09	8	0.23
Matrix:SO						
AM241	3.200	0.754	0.94	0.89	53	0.29
CS137	266.000	3.560	1.08	1.10	85	0.12
K 40	384.000	27.800	1.06	1.05	80	0.15
PU238	32.000	0.567	0.96	1.00	62	0.17
PU239	6.760	0.440	1.07	1.04	65	0.20
SR 90	11.300	1.500	1.14	1.15	39	0.26
U 234	30.300	1.790	0.89	0.89	46	0.17
U 235	1.590	0.075	0.95	1.00	5	0.16
U 238	31.600	1.270	0.85	0.83	51	0.17
U BQ	63.400	3.200	0.86	0.95	22	0.26
U UG	2.500	0.130	0.90	0.91	14	0.14
Matrix:VE						
AM241	0.702	0.048	1.09	1.00	39	0.34
CO 60	9.600	1.700	0.95	0.93	58	0.14
CS137	117.000	3.270	1.13	1.14	72	0.15
K 40	1030.000	8.160	1.09	1.12	69	0.15
PU238	0.089	0.019	1.13	1.09	19	0.20
PU239	1.120	0.159	1.04	0.99	51	0.19
SR 90	512.000	52.500	0.89	0.92	47	0.18
Matrix:WA						
AM241	1.330	0.073	1.03	1.03	64	0.17
CO 60	196.000	3.490	1.07	1.07	88	0.06
CS134	83.500	1.800	1.08	1.07	87	0.08

Statistical summary of "A" and "W" reported values

Statistical Summary

Nuclide	EML Value	EML Error	Mean Ratio	Median Ratio	No. of Reported Values	Standard Deviation
CS137	76.800	2.280	1.12	1.13	96	0.08
FE 55	119.000	5.820	1.06	0.98	13	0.16
GA	1340.000	40.000	1.08	1.08	57	0.16
GB	653.000	19.300	1.15	1.16	52	0.19
H 3	60.300	2.310	0.97	0.92	75	0.20
MN 54	43.500	2.060	1.10	1.10	87	0.07
PU239	0.591	0.047	1.12	1.13	64	0.09
SR 90	2.400	0.225	0.97	0.95	58	0.15
U 234	0.373	0.013	1.05	1.03	40	0.14
U 235	0.196	0.006	1.06	1.02	13	0.18
U BQ	0.568	0.028	1.02	1.06	15	0.10
U UG	0.003	0.000	1.03	1.04	7	0.09

Statistical summary of "A" and "W" reported values

Control Limits by Matrix

Nuclide	Lower Limit	Lower Middle Limit	Upper Middle Limit	Upper Limit
Matrix:AI				
AM241	0.54	0.77	1.23	1.64
CE144	0.59	0.78	1.18	1.36
CO 57	0.64	0.79	1.16	1.45
CO 60	0.71	0.83	1.15	1.29
CS134	0.65	0.75	1.08	1.22
CS137	0.69	0.85	1.19	1.32
GA	0.50	0.80	1.20	1.50
GB	0.50	0.80	1.20	1.50
MN 54	0.74	0.85	1.20	1.36
PU238	0.48	0.69	1.14	1.75
PU239	0.57	0.79	1.15	1.60
SB125	0.50	0.80	1.20	1.50
SR 90	0.62	0.77	1.43	1.90
U 234	0.70	0.88	1.27	1.74
U 235	0.70	0.88	1.27	1.74
U 238	0.74	0.89	1.33	1.87
U BQ	0.50	0.80	1.20	1.50
U UG	0.50	0.80	1.20	1.50
Matrix:SO				
AM241	0.43	0.74	1.53	2.20
CS137	0.69	0.82	1.26	1.46
K 40	0.67	0.80	1.26	1.53
PU238	0.21	0.50	1.14	1.41
PU239	0.55	0.80	1.31	2.05
SR 90	0.50	0.73	1.51	2.19
U 234	0.46	0.70	1.10	1.29
U 235	0.46	0.70	1.19	1.73
U 238	0.45	0.70	1.19	1.73
U BQ	0.17	0.36	1.06	1.51
U UG	0.28	0.44	1.10	1.35
Matrix:VE				
AM241	0.52	0.77	1.60	2.23
CO 60	0.69	0.84	1.24	1.40
CS137	0.69	0.86	1.29	1.55
K 40	0.43	0.78	1.24	1.48
PU238	0.72	0.83	1.20	2.08
PU239	0.56	0.75	1.42	1.94
SR 90	0.44	0.68	1.12	1.39
Matrix:WA				
AM241	0.57	0.78	1.19	1.50
CO 60	0.79	0.89	1.10	1.18
CS134	0.74	0.83	1.17	1.29
CS137	0.82	0.93	1.15	1.29

Units for limits are in terms of the ratio Reported Value vs. EML Value

Control Limits by Matrix

Nuclide	Lower Limit	Lower Middle Limit	Upper Middle Limit	Upper Limit
FE 55	0.50	0.80	1.20	1.50
GA	0.50	0.80	1.20	1.50
GB	0.50	0.80	1.20	1.50
H 3	0.64	0.83	1.28	1.85
MN 54	0.81	0.93	1.14	1.25
PU239	0.54	0.70	1.16	1.34
SR 90	0.57	0.84	1.16	1.43
U 234	0.76	0.89	1.19	1.53
U 235	0.76	0.89	1.19	1.53
U BQ	0.36	0.73	1.22	1.78
U UG	0.69	0.86	1.15	1.27

Control limits are established from historical QAP data.

Where historical data are insufficient, limits of $\pm 20\%$ and $\pm 50\%$ are applied.

The following are recommended performance criteria for analysis of environmental levels of analytes:

Acceptable = Lower Middle Limit $\leq$ A $\leq$ Upper Middle Limit

Acceptable with Warning = Lower Limit $\leq$ W < Lower Middle Limit, Upper Middle Limit < W $\leq$ Upper Limit

Not Acceptable = N < Lower Limit, N > Upper Limit

Units for limits are in terms of the ratio Reported Value vs. EML Value

Summary of Matrix Evaluations by Laboratory

Matrix	Evaluation Summary			Total Analyses	Evaluation Percentages			
	A	W	N		%A	%W	%N	
Labcode: AA								
AI	18	0	0	18		100	0	0
SO	11	0	0	11		100	0	0
VE	7	0	0	7		100	0	0
WA	15	0	0	15		100	0	0
Totals	51	0	0	51		100%	0%	0%
Labcode: AC								
AI	7	4	0	11		64	36	0
SO	6	0	0	6		100	0	0
VE	5	0	0	5		100	0	0
WA	5	2	0	7		71	29	0
Totals	23	6	0	29		79%	21%	0%
Labcode: AE								
SO	7	0	0	7		100	0	0
WA	6	1	0	7		86	14	0
Totals	13	1	0	14		93%	7%	0%
Labcode: AG								
AI	13	7	2	22		59	32	9
SO	14	0	0	14		100	0	0
VE	11	2	0	13		85	15	0
WA	15	4	5	24		63	17	21
Totals	53	13	7	73		73%	18%	10%
Labcode: AM								
AI	2	7	3	12		17	58	25
SO	4	0	2	6		67	0	33

Summary of Matrix Evaluations by Laboratory

Matrix	Evaluation Summary			Total Analyses		Evaluation Percentages		
	A	W	N			%A	%W	%N
VE	2	0	2	4		50	0	50
WA	1	4	3	8		13	50	38
Totals	9	11	10	30		30%	37%	33%

Labcode: AN

AI	10	4	1	15		67	27	7
SO	8	0	0	8		100	0	0
VE	7	0	0	7		100	0	0
WA	7	4	1	12		58	33	8
Totals	32	8	2	42		76%	19%	5%

Labcode: AR

AI	8	6	2	16		50	38	13
SO	7	2	0	9		78	22	0
VE	2	0	5	7		29	0	71
WA	7	4	1	12		58	33	8
Totals	24	12	8	44		55%	27%	18%

Labcode: AT

AI	11	0	1	12		92	0	8
SO	5	1	1	7		71	14	14
VE	3	1	2	6		50	17	33
WA	3	3	2	8		38	38	25
Totals	22	5	6	33		67%	15%	18%

Labcode: AU

AI	11	0	0	11		100	0	0
SO	4	3	0	7		57	43	0
VE	5	1	0	6		83	17	0

Summary of Matrix Evaluations by Laboratory

Matrix	Evaluation Summary			Total Analyses		Evaluation Percentages		
	A	W	N			%A	%W	%N
WA	8	1	0	9		89	11	0
Totals	28	5	0	33		85%	15%	0%
Labcode: AW								
AI	7	0	1	8		88	0	13
SO	0	0	1	1		0	0	100
WA	4	2	0	6		67	33	0
Totals	11	2	2	15		73%	13%	13%
Labcode: BA								
AI	10	0	0	10		100	0	0
SO	1	0	0	1		100	0	0
VE	0	2	0	2		0	100	0
WA	3	2	0	5		60	40	0
Totals	14	4	0	18		78%	22%	0%
Labcode: BC								
AI	4	0	1	5		80	0	20
SO	2	2	0	4		50	50	0
VE	2	1	0	3		67	33	0
WA	3	1	1	5		60	20	20
Totals	11	4	2	17		65%	24%	12%
Labcode: BE								
AI	11	2	1	14		79	14	7
SO	6	2	0	8		75	25	0
VE	4	0	1	5		80	0	20
WA	11	0	0	11		100	0	0
Totals	32	4	2	38		84%	11%	5%

Summary of Matrix Evaluations by Laboratory

Matrix	Evaluation Summary			Total Analyses		Evaluation Percentages		
	A	W	N			%A	%W	%N
Labcode: BK								
WA	2	2	0	4		50	50	0
Totals	2	2	0	4		50%	50%	0%
Labcode: BL								
AI	14	2	3	19		74	11	16
SO	14	0	0	14		100	0	0
VE	4	1	2	7		57	14	29
WA	13	3	4	20		65	15	20
Totals	45	6	9	60		75%	10%	15%
Labcode: BM								
AI	11	2	0	13		85	15	0
SO	10	3	0	13		77	23	0
VE	5	1	2	8		63	13	25
WA	8	2	0	10		80	20	0
Totals	34	8	2	44		77%	18%	5%
Labcode: BN								
AI	8	0	1	9		89	0	11
SO	2	0	0	2		100	0	0
VE	2	0	1	3		67	0	33
WA	4	2	0	6		67	33	0
Totals	16	2	2	20		80%	10%	10%
Labcode: BP								
SO	3	0	0	3		100	0	0

Summary of Matrix Evaluations by Laboratory

Matrix	Evaluation Summary			Total Analyses	Evaluation Percentages		
	A	W	N		%A	%W	%N
Totals	3	0	0	3	100%	0%	0%
Labcode: BQ							
SO	2	1	0	3	67	33	0
VE	2	0	0	2	100	0	0
WA	3	1	0	4	75	25	0
Totals	7	2	0	9	78%	22%	0%
Labcode: BR							
AI	4	2	1	7	57	29	14
SO	2	0	0	2	100	0	0
VE	3	0	0	3	100	0	0
WA	1	3	0	4	25	75	0
Totals	10	5	1	16	63%	31%	6%
Labcode: BS							
AI	2	6	0	8	25	75	0
SO	3	1	0	4	75	25	0
VE	2	1	1	4	50	25	25
WA	5	0	0	5	100	0	0
Totals	12	8	1	21	57%	38%	5%
Labcode: BU							
AI	11	0	0	11	100	0	0
SO	4	1	1	6	67	17	17
VE	1	4	1	6	17	67	17
WA	3	7	2	12	25	58	17
Totals	19	12	4	35	54%	34%	11%

Summary of Matrix Evaluations by Laboratory

Matrix	Evaluation Summary			Total Analyses	Evaluation Percentages		
	A	W	N		%A	%W	%N
Labcode: BX							
AI	7	5	2	14	50	36	14
SO	4	2	0	6	67	33	0
VE	3	2	1	6	50	33	17
WA	7	5	0	12	58	42	0
Totals	21	14	3	38	55%	37%	8%
Labcode: CA							
AI	4	5	0	9	44	56	0
SO	0	1	0	1	0	100	0
WA	3	3	1	7	43	43	14
Totals	7	9	1	17	41%	53%	6%
Labcode: CC							
AI	6	7	2	15	40	47	13
SO	9	1	0	10	90	10	0
VE	5	1	1	7	71	14	14
WA	11	1	1	13	85	8	8
Totals	31	10	4	45	69%	22%	9%
Labcode: CH							
AI	7	7	1	15	47	47	7
SO	5	1	1	7	71	14	14
VE	5	0	1	6	83	0	17
WA	9	2	0	11	82	18	0
Totals	26	10	3	39	67%	26%	8%
Labcode: CL							
AI	7	2	5	14	50	14	36

Summary of Matrix Evaluations by Laboratory

Matrix	Evaluation Summary			Total Analyses		Evaluation Percentages		
	A	W	N			%A	%W	%N
SO	5	3	1	9		56	33	11
VE	4	0	3	7		57	0	43
WA	2	4	4	10		20	40	40
Totals	18	9	13	40		45%	23%	33%

Labcode: CP

AI	9	2	0	11		82	18	0
SO	2	2	2	6		33	33	33
VE	4	1	0	5		80	20	0
WA	6	1	2	9		67	11	22
Totals	21	6	4	31		68%	19%	13%

Labcode: CS

AI	3	1	6	10		30	10	60
SO	0	1	2	3		0	33	67
VE	0	0	4	4		0	0	100
WA	4	1	0	5		80	20	0
Totals	7	3	12	22		32%	14%	55%

Labcode: DC

AI	13	1	2	16		81	6	13
SO	3	0	6	9		33	0	67
VE	5	1	1	7		71	14	14
WA	3	4	1	8		38	50	13
Totals	24	6	10	40		60%	15%	25%

Labcode: EB

SO	1	3	2	6		17	50	33
VE	0	1	2	3		0	33	67

Summary of Matrix Evaluations by Laboratory

Matrix	Evaluation Summary			Total Analyses		Evaluation Percentages		
	A	W	N			%A	%W	%N
WA	2	1	2	5		40	20	40
Totals	3	5	6	14		21%	36%	43%
Labcode: EE								
AI	9	2	0	11		82	18	0
SO	7	0	0	7		100	0	0
VE	5	1	0	6		83	17	0
WA	6	3	0	9		67	33	0
Totals	27	6	0	33		82%	18%	0%
Labcode: EG								
AI	6	2	1	9		67	22	11
SO	8	1	0	9		89	11	0
VE	3	1	0	4		75	25	0
WA	12	0	1	13		92	0	8
Totals	29	4	2	35		83%	11%	6%
Labcode: EL								
AI	5	3	4	12		42	25	33
SO	5	2	0	7		71	29	0
VE	5	0	0	5		100	0	0
WA	3	4	3	10		30	40	30
Totals	18	9	7	34		53%	26%	21%
Labcode: EP								
AI	8	1	0	9		89	11	0
SO	2	0	0	2		100	0	0
VE	2	0	0	2		100	0	0
WA	2	2	2	6		33	33	33
Totals	14	3	2	19		74%	16%	11%

Summary of Matrix Evaluations by Laboratory

Matrix	Evaluation Summary			Total Analyses	Evaluation Percentages			
	A	W	N		%A	%W	%N	
Labcode: ES								
AI	8	3	5	16		50	19	31
SO	9	0	1	10		90	0	10
VE	6	1	0	7		86	14	0
WA	10	2	1	13		77	15	8
Totals	33	6	7	46		72%	13%	15%
Labcode: ET								
AI	8	6	0	14		57	43	0
SO	6	0	1	7		86	0	14
VE	3	3	1	7		43	43	14
WA	6	3	2	11		55	27	18
Totals	23	12	4	39		59%	31%	10%
Labcode: FG								
AI	8	2	0	10		80	20	0
SO	4	2	0	6		67	33	0
WA	3	4	3	10		30	40	30
Totals	15	8	3	26		58%	31%	12%
Labcode: FL								
AI	7	5	0	12		58	42	0
SO	5	1	0	6		83	17	0
VE	3	1	0	4		75	25	0
WA	6	3	0	9		67	33	0
Totals	21	10	0	31		68%	32%	0%
Labcode: FM								
AI	6	2	0	8		75	25	0

Summary of Matrix Evaluations by Laboratory

Matrix	Evaluation Summary			Total Analyses		Evaluation Percentages		
	A	W	N			%A	%W	%N
WA	4	0	0	4		100	0	0
Totals	10	2	0	12		83%	17%	0%

Labcode: FN

AI	6	1	0	7		86	14	0
SO	3	0	1	4		75	0	25
VE	3	0	0	3		100	0	0
WA	5	0	0	5		100	0	0
Totals	17	1	1	19		89%	5%	5%

Labcode: FS

SO	17	0	0	17		100	0	0
Totals	17	0	0	17		100%	0%	0%

Labcode: GA

AI	8	5	0	13		62	38	0
SO	5	1	0	6		83	17	0
VE	4	1	1	6		67	17	17
WA	7	1	2	10		70	10	20
Totals	24	8	3	35		69%	23%	9%

Labcode: GE

AI	3	9	4	16		19	56	25
SO	8	1	0	9		89	11	0
VE	5	1	1	7		71	14	14
WA	5	7	1	13		38	54	8
Totals	21	18	6	45		47%	40%	13%

Summary of Matrix Evaluations by Laboratory

Matrix	Evaluation Summary			Total Analyses		Evaluation Percentages		
	A	W	N			%A	%W	%N
Labcode: GS								
WA	1	1	2	4		25	25	50
Totals	1	1	2	4		25%	25%	50%
Labcode: HA								
SO	6	1	1	8		75	13	13
WA	6	5	2	13		46	38	15
Totals	12	6	3	21		57%	29%	14%
Labcode: HC								
AI	0	2	0	2		0	100	0
WA	2	1	0	3		67	33	0
Totals	2	3	0	5		40%	60%	0%
Labcode: HI								
AI	5	3	1	9		56	33	11
SO	2	0	0	2		100	0	0
VE	1	1	0	2		50	50	0
WA	7	2	2	11		64	18	18
Totals	15	6	3	24		63%	25%	13%
Labcode: HL								
SO	5	2	1	8		63	25	13
WA	4	3	2	9		44	33	22
Totals	9	5	3	17		53%	29%	18%

Summary of Matrix Evaluations by Laboratory

Matrix	Evaluation Summary			Total Analyses	Evaluation Percentages		
	A	W	N		%A	%W	%N
Labcode: HR							
AI	1	1	2	4	25	25	50
SO	3	0	0	3	100	0	0
VE	1	1	0	2	50	50	0
WA	1	1	2	4	25	25	50
Totals	6	3	4	13	46%	23%	31%
Labcode: ID							
AI	7	2	0	9	78	22	0
SO	5	0	0	5	100	0	0
VE	5	0	1	6	83	0	17
WA	2	3	0	5	40	60	0
Totals	19	5	1	25	76%	20%	4%
Labcode: IE							
AI	8	3	1	12	67	25	8
SO	7	0	0	7	100	0	0
VE	4	1	0	5	80	20	0
WA	9	1	0	10	90	10	0
Totals	28	5	1	34	82%	15%	3%
Labcode: IN							
AI	2	5	0	7	29	71	0
SO	5	0	0	5	100	0	0
VE	3	0	0	3	100	0	0
WA	6	3	0	9	67	33	0
Totals	16	8	0	24	67%	33%	0%

Summary of Matrix Evaluations by Laboratory

Matrix	Evaluation Summary			Total Analyses		Evaluation Percentages		
	A	W	N			%A	%W	%N
Labcode: IR								
AI	1	0	2	3		33	0	67
WA	1	1	0	2		50	50	0
Totals	2	1	2	5		40%	20%	40%
Labcode: IS								
AI	4	9	3	16		25	56	19
SO	8	0	0	8		100	0	0
VE	6	0	0	6		100	0	0
WA	4	7	0	11		36	64	0
Totals	22	16	3	41		54%	39%	7%
Labcode: IT								
AI	6	6	1	13		46	46	8
SO	6	0	0	6		100	0	0
VE	6	1	0	7		86	14	0
WA	5	5	0	10		50	50	0
Totals	23	12	1	36		64%	33%	3%
Labcode: KA								
AI	0	2	0	2		0	100	0
SO	5	0	0	5		100	0	0
WA	7	3	0	10		70	30	0
Totals	12	5	0	17		71%	29%	0%
Labcode: LA								
AI	26	10	3	39		67	26	8
SO	16	1	1	18		89	6	6
VE	14	4	3	21		67	19	14

Summary of Matrix Evaluations by Laboratory

Matrix	Evaluation Summary			Total Analyses		Evaluation Percentages		
	A	W	N			%A	%W	%N
WA	16	11	3	30		53	37	10
Totals	72	26	10	108		67%	24%	9%

Labcode: LB

AI	2	5	2	9		22	56	22
SO	1	1	0	2		50	50	0
VE	2	1	0	3		67	33	0
WA	2	5	1	8		25	63	13
Totals	7	12	3	22		32%	55%	14%

Labcode: LH

AI	7	6	2	15		47	40	13
SO	6	2	0	8		75	25	0
VE	6	0	0	6		100	0	0
WA	8	2	2	12		67	17	17
Totals	27	10	4	41		66%	24%	10%

Labcode: LL

AI	8	1	0	9		89	11	0
SO	4	0	0	4		100	0	0
VE	4	1	0	5		80	20	0
WA	6	0	0	6		100	0	0
Totals	22	2	0	24		92%	8%	0%

Labcode: LM

AI	0	3	7	10		0	30	70
WA	0	2	2	4		0	50	50
Totals	0	5	9	14		0%	36%	64%

Summary of Matrix Evaluations by Laboratory

Matrix	Evaluation Summary			Total Analyses		Evaluation Percentages		
	A	W	N			%A	%W	%N
Labcode: LW								
SO	2	0	0	2		100	0	0
VE	2	1	0	3		67	33	0
WA	4	1	0	5		80	20	0
Totals	8	2	0	10		80%	20%	0%
Labcode: MA								
SO	2	1	0	3		67	33	0
VE	2	1	0	3		67	33	0
Totals	4	2	0	6		67%	33%	0%
Labcode: ME								
AI	6	0	5	11		55	0	45
SO	1	1	2	4		25	25	50
VE	0	1	2	3		0	33	67
WA	5	0	0	5		100	0	0
Totals	12	2	9	23		52%	9%	39%
Labcode: MI								
AI	1	3	1	5		20	60	20
WA	6	2	2	10		60	20	20
Totals	7	5	3	15		47%	33%	20%
Labcode: ML								
AI	4	2	0	6		67	33	0
SO	6	1	0	7		86	14	0
VE	4	1	0	5		80	20	0

Summary of Matrix Evaluations by Laboratory

Matrix	Evaluation Summary			Total Analyses		Evaluation Percentages		
	A	W	N			%A	%W	%N
WA	4	2	0	6		67	33	0
Totals	18	6	0	24		75%	25%	0%
Labcode: NA								
AI	5	5	4	14		36	36	29
SO	7	1	1	9		78	11	11
VE	4	0	3	7		57	0	43
WA	8	2	0	10		80	20	0
Totals	24	8	8	40		60%	20%	20%
Labcode: NC								
AI	7	0	0	7		100	0	0
SO	1	0	0	1		100	0	0
VE	3	0	0	3		100	0	0
WA	3	1	0	4		75	25	0
Totals	14	1	0	15		93%	7%	0%
Labcode: NJ								
AI	2	0	1	3		67	0	33
SO	5	0	0	5		100	0	0
VE	3	0	1	4		75	0	25
WA	11	2	0	13		85	15	0
Totals	21	2	2	25		84%	8%	8%
Labcode: NL								
AI	3	5	1	9		33	56	11
SO	3	1	3	7		43	14	43
WA	4	1	0	5		80	20	0
Totals	10	7	4	21		48%	33%	19%

Summary of Matrix Evaluations by Laboratory

Matrix	Evaluation Summary			Total Analyses		Evaluation Percentages		
	A	W	N			%A	%W	%N
Labcode: NY								
WA	1	0	0	1		100	0	0
Totals	1	0	0	1		100%	0%	0%
Labcode: OB								
AI	1	1	0	2		50	50	0
SO	2	0	2	4		50	0	50
WA	2	0	2	4		50	0	50
Totals	5	1	4	10		50%	10%	40%
Labcode: OD								
AI	2	5	0	7		29	71	0
WA	8	2	0	10		80	20	0
Totals	10	7	0	17		59%	41%	0%
Labcode: OI								
AI	0	1	6	7		0	14	86
SO	1	0	2	3		33	0	67
VE	1	2	1	4		25	50	25
WA	3	2	0	5		60	40	0
Totals	5	5	9	19		26%	26%	47%
Labcode: OL								
AI	6	2	0	8		75	25	0
SO	2	0	0	2		100	0	0
VE	3	0	0	3		100	0	0

Summary of Matrix Evaluations by Laboratory

Matrix	Evaluation Summary			Total Analyses		Evaluation Percentages		
	A	W	N			%A	%W	%N
WA	3	1	0	4		75	25	0
Totals	14	3	0	17		82%	18%	0%
Labcode: OR								
AI	11	1	0	12		92	8	0
SO	3	2	1	6		50	33	17
VE	4	1	2	7		57	14	29
WA	8	1	0	9		89	11	0
Totals	26	5	3	34		76%	15%	9%
Labcode: OS								
AI	6	1	0	7		86	14	0
SO	2	0	0	2		100	0	0
VE	2	1	0	3		67	33	0
WA	4	0	0	4		100	0	0
Totals	14	2	0	16		88%	13%	0%
Labcode: OT								
AI	13	1	0	14		93	7	0
SO	5	1	0	6		83	17	0
VE	6	0	0	6		100	0	0
WA	9	0	1	10		90	0	10
Totals	33	2	1	36		92%	6%	3%
Labcode: PA								
AI	1	2	2	5		20	40	40
SO	1	2	0	3		33	67	0
VE	1	0	0	1		100	0	0
WA	6	1	0	7		86	14	0
Totals	9	5	2	16		56%	31%	13%

Summary of Matrix Evaluations by Laboratory

Evaluation Summary					Evaluation Percentages			
Matrix	A	W	N	Total Analyses		%A	%W	%N
Labcode: PB								
AI	0	1	2	3		0	33	67
SO	1	0	2	3		33	0	67
VE	1	0	0	1		100	0	0
WA	2	1	0	3		67	33	0
Totals	4	2	4	10		40%	20%	40%
Labcode: PC								
AI	9	3	1	13		69	23	8
SO	5	1	1	7		71	14	14
VE	6	0	0	6		100	0	0
WA	9	0	0	9		100	0	0
Totals	29	4	2	35		83%	11%	6%
Labcode: PI								
AI	2	0	0	2		100	0	0
SO	2	0	0	2		100	0	0
WA	3	0	0	3		100	0	0
Totals	7	0	0	7		100%	0%	0%
Labcode: PR								
WA	6	0	0	6		100	0	0
Totals	6	0	0	6		100%	0%	0%
Labcode: RE								
AI	7	5	1	13		54	38	8
SO	6	2	0	8		75	25	0
VE	5	1	1	7		71	14	14

Summary of Matrix Evaluations by Laboratory

Matrix	Evaluation Summary			Total Analyses		Evaluation Percentages		
	A	W	N			%A	%W	%N
WA	9	0	0	9		100	0	0
Totals	27	8	2	37		73%	22%	5%

Labcode: RF

AI	4	3	0	7		57	43	0
SO	5	0	0	5		100	0	0
VE	3	0	0	3		100	0	0
WA	4	0	4	8		50	0	50
Totals	16	3	4	23		70%	13%	17%

Labcode: RG

SO	6	0	0	6		100	0	0
WA	7	0	0	7		100	0	0
Totals	13	0	0	13		100%	0%	0%

Labcode: RI

AI	5	4	0	9		56	44	0
SO	4	0	0	4		100	0	0
VE	2	1	1	4		50	25	25
WA	6	2	0	8		75	25	0
Totals	17	7	1	25		68%	28%	4%

Labcode: SA

AI	5	2	0	7		71	29	0
WA	4	0	0	4		100	0	0
Totals	9	2	0	11		82%	18%	0%

Summary of Matrix Evaluations by Laboratory

Evaluation Summary					Evaluation Percentages			
Matrix	A	W	N	Total Analyses		%A	%W	%N
Labcode: SC								
AI	4	0	0	4		100	0	0
SO	3	3	0	6		50	50	0
WA	7	3	0	10		70	30	0
Totals	14	6	0	20		70%	30%	0%
Labcode: SK								
AI	5	2	0	7		71	29	0
SO	2	0	0	2		100	0	0
VE	3	0	0	3		100	0	0
WA	9	1	0	10		90	10	0
Totals	19	3	0	22		86%	14%	0%
Labcode: SR								
AI	2	3	6	11		18	27	55
SO	2	0	0	2		100	0	0
VE	4	2	0	6		67	33	0
WA	9	3	0	12		75	25	0
Totals	17	8	6	31		55%	26%	19%
Labcode: SS								
AI	7	0	0	7		100	0	0
SO	2	0	0	2		100	0	0
VE	1	2	0	3		33	67	0
Totals	10	2	0	12		83%	17%	0%
Labcode: SV								
WA	1	0	1	2		50	0	50

Summary of Matrix Evaluations by Laboratory

Matrix	Evaluation Summary			Total Analyses	Evaluation Percentages		
	A	W	N		%A	%W	%N
Totals	1	0	1	2	50%	0%	50%
Labcode: SW							
AI	4	5	4	13	31	38	31
SO	3	0	0	3	100	0	0
VE	3	1	0	4	75	25	0
WA	4	1	4	9	44	11	44
Totals	14	7	8	29	48%	24%	28%
Labcode: TI							
AI	9	1	4	14	64	7	29
SO	5	1	1	7	71	14	14
VE	6	0	1	7	86	0	14
WA	5	8	0	13	38	62	0
Totals	25	10	6	41	61%	24%	15%
Labcode: TM							
AI	10	2	1	13	77	15	8
SO	6	2	0	8	75	25	0
VE	4	2	1	7	57	29	14
WA	7	2	0	9	78	22	0
Totals	27	8	2	37	73%	22%	5%
Labcode: TN							
AI	8	4	0	12	67	33	0
SO	8	0	0	8	100	0	0
VE	5	0	1	6	83	0	17
WA	11	1	0	12	92	8	0
Totals	32	5	1	38	84%	13%	3%

Summary of Matrix Evaluations by Laboratory

Evaluation Summary				Total Analyses	Evaluation Percentages			
Matrix	A	W	N		%A	%W	%N	
Labcode: TO								
AI	3	4	0	7		43	57	0
SO	7	0	0	7		100	0	0
VE	2	1	1	4		50	25	25
WA	7	2	2	11		64	18	18
Totals	19	7	3	29		66%	24%	10%
Labcode: TY								
AI	3	0	0	3		100	0	0
SO	1	0	0	1		100	0	0
Totals	4	0	0	4		100%	0%	0%
Labcode: UC								
AI	4	0	1	5		80	0	20
SO	2	0	0	2		100	0	0
VE	3	0	0	3		100	0	0
WA	5	1	0	6		83	17	0
Totals	14	1	1	16		88%	6%	6%
Labcode: UK								
AI	0	0	6	6		0	0	100
SO	2	0	0	2		100	0	0
WA	2	3	1	6		33	50	17
Totals	4	3	7	14		29%	21%	50%
Labcode: UP								
AI	3	2	5	10		30	20	50
SO	1	1	0	2		50	50	0

Summary of Matrix Evaluations by Laboratory

Matrix	Evaluation Summary			Total Analyses		Evaluation Percentages		
	A	W	N			%A	%W	%N
WA	8	0	0	8		100	0	0
Totals	12	3	5	20		60%	15%	25%

Labcode: UY

AI	0	2	0	2		0	100	0
SO	1	1	2	4		25	25	50
WA	2	7	0	9		22	78	0
Totals	3	10	2	15		20%	67%	13%

Labcode: WA

AI	13	2	2	17		76	12	12
SO	9	0	0	9		100	0	0
VE	6	0	1	7		86	0	14
WA	10	2	1	13		77	15	8
Totals	38	4	4	46		83%	9%	9%

Labcode: WC

AI	8	4	0	12		67	33	0
SO	3	0	3	6		50	0	50
VE	4	1	1	6		67	17	17
WA	4	6	0	10		40	60	0
Totals	19	11	4	34		56%	32%	12%

Labcode: WI

AI	4	3	0	7		57	43	0
WA	4	0	0	4		100	0	0
Totals	8	3	0	11		73%	27%	0%

Summary of Matrix Evaluations by Laboratory

Evaluation Summary				Total Analyses	Evaluation Percentages			
Matrix	A	W	N		%A	%W	%N	
Labcode: WN								
AI	8	5	0	13		62	38	0
SO	5	2	1	8		63	25	13
VE	5	2	0	7		71	29	0
WA	5	5	0	10		50	50	0
Totals	23	14	1	38		61%	37%	3%
Labcode: WP								
AI	7	4	0	11		64	36	0
SO	6	0	1	7		86	0	14
VE	3	3	0	6		50	50	0
WA	7	1	0	8		88	13	0
Totals	23	8	1	32		72%	25%	3%
Labcode: WS								
SO	2	1	0	3		67	33	0
Totals	2	1	0	3		67%	33%	0%
Labcode: WV								
AI	2	0	0	2		100	0	0
WA	5	1	2	8		63	13	25
Totals	7	1	2	10		70%	10%	20%
Labcode: YA								
AI	10	4	1	15		67	27	7
SO	7	2	0	9		78	22	0
VE	5	2	0	7		71	29	0

Summary of Matrix Evaluations by Laboratory

Matrix	Evaluation Summary			Total Analyses		Evaluation Percentages		
	A	W	N			%A	%W	%N
WA	9	3	1	13		69	23	8
Totals	31	11	2	44		70%	25%	5%

Summary of Laboratory Evaluations by Matrix

Matrix: AI

Labcode	Evaluation Summary			Total Analyses	Evaluation Percentages		
	A	W	N		%A	%W	%N
AA	18	0	0	18	100	0	0
AC	7	4	0	11	64	36	0
AG	13	7	2	22	59	32	9
AM	2	7	3	12	17	58	25
AN	10	4	1	15	67	27	7
AR	8	6	2	16	50	38	13
AT	11	0	1	12	92	0	8
AU	11	0	0	11	100	0	0
AW	7	0	1	8	88	0	13
BA	10	0	0	10	100	0	0
BC	4	0	1	5	80	0	20
BE	11	2	1	14	79	14	7
BL	14	2	3	19	74	11	16
BM	11	2	0	13	85	15	0
BN	8	0	1	9	89	0	11
BR	4	2	1	7	57	29	14
BS	2	6	0	8	25	75	0
BU	11	0	0	11	100	0	0
BX	7	5	2	14	50	36	14
CA	4	5	0	9	44	56	0
CC	6	7	2	15	40	47	13
CH	7	7	1	15	47	47	7
CL	7	2	5	14	50	14	36
CP	9	2	0	11	82	18	0
CS	3	1	6	10	30	10	60
DC	13	1	2	16	81	6	13
EE	9	2	0	11	82	18	0
EG	6	2	1	9	67	22	11
EL	5	3	4	12	42	25	33
EP	8	1	0	9	89	11	0
ES	8	3	5	16	50	19	31
ET	8	6	0	14	57	43	0
FG	8	2	0	10	80	20	0
FL	7	5	0	12	58	42	0
FM	6	2	0	8	75	25	0
FN	6	1	0	7	86	14	0
GA	8	5	0	13	62	38	0
GE	3	9	4	16	19	56	25
HC	0	2	0	2	0	100	0
HI	5	3	1	9	56	33	11
HR	1	1	2	4	25	25	50
ID	7	2	0	9	78	22	0
IE	8	3	1	12	67	25	8
IN	2	5	0	7	29	71	0
IR	1	0	2	3	33	0	67
IS	4	9	3	16	25	56	19
IT	6	6	1	13	46	46	8
KA	0	2	0	2	0	100	0
LA	26	10	3	39	67	26	8
LB	2	5	2	9	22	56	22
LH	7	6	2	15	47	40	13
LL	8	1	0	9	89	11	0
LM	0	3	7	10	0	30	70

Summary of Laboratory Evaluations by Matrix

Matrix: AI

Labcode	Evaluation Summary			Total Analyses	Evaluation Percentages		
	A	W	N		%A	%W	%N
ME	6	0	5	11	55	0	45
MI	1	3	1	5	20	60	20
ML	4	2	0	6	67	33	0
NA	5	5	4	14	36	36	29
NC	7	0	0	7	100	0	0
NJ	2	0	1	3	67	0	33
NL	3	5	1	9	33	56	11
OB	1	1	0	2	50	50	0
OD	2	5	0	7	29	71	0
OI	0	1	6	7	0	14	86
OL	6	2	0	8	75	25	0
OR	11	1	0	12	92	8	0
OS	6	1	0	7	86	14	0
OT	13	1	0	14	93	7	0
PA	1	2	2	5	20	40	40
PB	0	1	2	3	0	33	67
PC	9	3	1	13	69	23	8
PI	2	0	0	2	100	0	0
RE	7	5	1	13	54	38	8
RF	4	3	0	7	57	43	0
RI	5	4	0	9	56	44	0
SA	5	2	0	7	71	29	0
SC	4	0	0	4	100	0	0
SK	5	2	0	7	71	29	0
SR	2	3	6	11	18	27	55
SS	7	0	0	7	100	0	0
SW	4	5	4	13	31	38	31
TI	9	1	4	14	64	7	29
TM	10	2	1	13	77	15	8
TN	8	4	0	12	67	33	0
TO	3	4	0	7	43	57	0
TY	3	0	0	3	100	0	0
UC	4	0	1	5	80	0	20
UK	0	0	6	6	0	0	100
UP	3	2	5	10	30	20	50
UY	0	2	0	2	0	100	0
WA	13	2	2	17	76	12	12
WC	8	4	0	12	67	33	0
WI	4	3	0	7	57	43	0
WN	8	5	0	13	62	38	0
WP	7	4	0	11	64	36	0
WV	2	0	0	2	100	0	0
YA	10	4	1	15	67	27	7
Totals 96 Labs	591	265	127	983	60%	27%	13%

Summary of Laboratory Evaluations by Matrix

Matrix: SO

Labcode	Evaluation Summary			Total Analyses	Evaluation Percentages		
	A	W	N		%A	%W	%N
AA	11	0	0	11	100	0	0
AC	6	0	0	6	100	0	0
AE	7	0	0	7	100	0	0
AG	14	0	0	14	100	0	0
AM	4	0	2	6	67	0	33
AN	8	0	0	8	100	0	0
AR	7	2	0	9	78	22	0
AT	5	1	1	7	71	14	14
AU	4	3	0	7	57	43	0
AW	0	0	1	1	0	0	100
BA	1	0	0	1	100	0	0
BC	2	2	0	4	50	50	0
BE	6	2	0	8	75	25	0
BL	14	0	0	14	100	0	0
BM	10	3	0	13	77	23	0
BN	2	0	0	2	100	0	0
BP	3	0	0	3	100	0	0
BQ	2	1	0	3	67	33	0
BR	2	0	0	2	100	0	0
BS	3	1	0	4	75	25	0
BU	4	1	1	6	67	17	17
BX	4	2	0	6	67	33	0
CA	0	1	0	1	0	100	0
CC	9	1	0	10	90	10	0
CH	5	1	1	7	71	14	14
CL	5	3	1	9	56	33	11
CP	2	2	2	6	33	33	33
CS	0	1	2	3	0	33	67
DC	3	0	6	9	33	0	67
EB	1	3	2	6	17	50	33
EE	7	0	0	7	100	0	0
EG	8	1	0	9	89	11	0
EL	5	2	0	7	71	29	0
EP	2	0	0	2	100	0	0
ES	9	0	1	10	90	0	10
ET	6	0	1	7	86	0	14
FG	4	2	0	6	67	33	0
FL	5	1	0	6	83	17	0
FN	3	0	1	4	75	0	25
FS	17	0	0	17	100	0	0
GA	5	1	0	6	83	17	0
GE	8	1	0	9	89	11	0
HA	6	1	1	8	75	13	13
HI	2	0	0	2	100	0	0
HL	5	2	1	8	63	25	13
HR	3	0	0	3	100	0	0
ID	5	0	0	5	100	0	0
IE	7	0	0	7	100	0	0
IN	5	0	0	5	100	0	0
IS	8	0	0	8	100	0	0
IT	6	0	0	6	100	0	0
KA	5	0	0	5	100	0	0
LA	16	1	1	18	89	6	6

Summary of Laboratory Evaluations by Matrix

Matrix: SO

Labcode	Evaluation Summary			Total Analyses	Evaluation Percentages		
	A	W	N		%A	%W	%N
LB	1	1	0	2	50	50	0
LH	6	2	0	8	75	25	0
LL	4	0	0	4	100	0	0
LW	2	0	0	2	100	0	0
MA	2	1	0	3	67	33	0
ME	1	1	2	4	25	25	50
ML	6	1	0	7	86	14	0
NA	7	1	1	9	78	11	11
NC	1	0	0	1	100	0	0
NJ	5	0	0	5	100	0	0
NL	3	1	3	7	43	14	43
OB	2	0	2	4	50	0	50
OI	1	0	2	3	33	0	67
OL	2	0	0	2	100	0	0
OR	3	2	1	6	50	33	17
OS	2	0	0	2	100	0	0
OT	5	1	0	6	83	17	0
PA	1	2	0	3	33	67	0
PB	1	0	2	3	33	0	67
PC	5	1	1	7	71	14	14
PI	2	0	0	2	100	0	0
RE	6	2	0	8	75	25	0
RF	5	0	0	5	100	0	0
RG	6	0	0	6	100	0	0
RI	4	0	0	4	100	0	0
SC	3	3	0	6	50	50	0
SK	2	0	0	2	100	0	0
SR	2	0	0	2	100	0	0
SS	2	0	0	2	100	0	0
SW	3	0	0	3	100	0	0
TI	5	1	1	7	71	14	14
TM	6	2	0	8	75	25	0
TN	8	0	0	8	100	0	0
TO	7	0	0	7	100	0	0
TY	1	0	0	1	100	0	0
UC	2	0	0	2	100	0	0
UK	2	0	0	2	100	0	0
UP	1	1	0	2	50	50	0
UY	1	1	2	4	25	25	50
WA	9	0	0	9	100	0	0
WC	3	0	3	6	50	0	50
WN	5	2	1	8	63	25	13
WP	6	0	1	7	86	0	14
WS	2	1	0	3	67	33	0
YA	7	2	0	9	78	22	0
Totals 98 Labs	451	71	47	569	79%	12%	8%

Summary of Laboratory Evaluations by Matrix

Matrix: VE

Labcode	Evaluation Summary			Total Analyses	Evaluation Percentages		
	A	W	N		%A	%W	%N
AA	7	0	0	7	100	0	0
AC	5	0	0	5	100	0	0
AG	11	2	0	13	85	15	0
AM	2	0	2	4	50	0	50
AN	7	0	0	7	100	0	0
AR	2	0	5	7	29	0	71
AT	3	1	2	6	50	17	33
AU	5	1	0	6	83	17	0
BA	0	2	0	2	0	100	0
BC	2	1	0	3	67	33	0
BE	4	0	1	5	80	0	20
BL	4	1	2	7	57	14	29
BM	5	1	2	8	63	13	25
BN	2	0	1	3	67	0	33
BQ	2	0	0	2	100	0	0
BR	3	0	0	3	100	0	0
BS	2	1	1	4	50	25	25
BU	1	4	1	6	17	67	17
BX	3	2	1	6	50	33	17
CC	5	1	1	7	71	14	14
CH	5	0	1	6	83	0	17
CL	4	0	3	7	57	0	43
CP	4	1	0	5	80	20	0
CS	0	0	4	4	0	0	100
DC	5	1	1	7	71	14	14
EB	0	1	2	3	0	33	67
EE	5	1	0	6	83	17	0
EG	3	1	0	4	75	25	0
EL	5	0	0	5	100	0	0
EP	2	0	0	2	100	0	0
ES	6	1	0	7	86	14	0
ET	3	3	1	7	43	43	14
FL	3	1	0	4	75	25	0
FN	3	0	0	3	100	0	0
GA	4	1	1	6	67	17	17
GE	5	1	1	7	71	14	14
HI	1	1	0	2	50	50	0
HR	1	1	0	2	50	50	0
ID	5	0	1	6	83	0	17
IE	4	1	0	5	80	20	0
IN	3	0	0	3	100	0	0
IS	6	0	0	6	100	0	0
IT	6	1	0	7	86	14	0
LA	14	4	3	21	67	19	14
LB	2	1	0	3	67	33	0
LH	6	0	0	6	100	0	0
LL	4	1	0	5	80	20	0
LW	2	1	0	3	67	33	0
MA	2	1	0	3	67	33	0
ME	0	1	2	3	0	33	67
ML	4	1	0	5	80	20	0
NA	4	0	3	7	57	0	43
NC	3	0	0	3	100	0	0

Summary of Laboratory Evaluations by Matrix

Matrix: VE

Labcode	Evaluation Summary			Total Analyses	Evaluation Percentages		
	A	W	N		%A	%W	%N
NJ	3	0	1	4	75	0	25
OI	1	2	1	4	25	50	25
OL	3	0	0	3	100	0	0
OR	4	1	2	7	57	14	29
OS	2	1	0	3	67	33	0
OT	6	0	0	6	100	0	0
PA	1	0	0	1	100	0	0
PB	1	0	0	1	100	0	0
PC	6	0	0	6	100	0	0
RE	5	1	1	7	71	14	14
RF	3	0	0	3	100	0	0
RI	2	1	1	4	50	25	25
SK	3	0	0	3	100	0	0
SR	4	2	0	6	67	33	0
SS	1	2	0	3	33	67	0
SW	3	1	0	4	75	25	0
TI	6	0	1	7	86	0	14
TM	4	2	1	7	57	29	14
TN	5	0	1	6	83	0	17
TO	2	1	1	4	50	25	25
UC	3	0	0	3	100	0	0
WA	6	0	1	7	86	0	14
WC	4	1	1	6	67	17	17
WN	5	2	0	7	71	29	0
WP	3	3	0	6	50	50	0
YA	5	2	0	7	71	29	0
Totals 79 Labs	290	65	54	409	71%	16%	13%

Summary of Laboratory Evaluations by Matrix

Matrix: WA

Labcode	Evaluation Summary			Total Analyses	Evaluation Percentages		
	A	W	N		%A	%W	%N
AA	15	0	0	15	100	0	0
AC	5	2	0	7	71	29	0
AE	6	1	0	7	86	14	0
AG	15	4	5	24	63	17	21
AM	1	4	3	8	13	50	38
AN	7	4	1	12	58	33	8
AR	7	4	1	12	58	33	8
AT	3	3	2	8	38	38	25
AU	8	1	0	9	89	11	0
AW	4	2	0	6	67	33	0
BA	3	2	0	5	60	40	0
BC	3	1	1	5	60	20	20
BE	11	0	0	11	100	0	0
BK	2	2	0	4	50	50	0
BL	13	3	4	20	65	15	20
BM	8	2	0	10	80	20	0
BN	4	2	0	6	67	33	0
BQ	3	1	0	4	75	25	0
BR	1	3	0	4	25	75	0
BS	5	0	0	5	100	0	0
BU	3	7	2	12	25	58	17
BX	7	5	0	12	58	42	0
CA	3	3	1	7	43	43	14
CC	11	1	1	13	85	8	8
CH	9	2	0	11	82	18	0
CL	2	4	4	10	20	40	40
CP	6	1	2	9	67	11	22
CS	4	1	0	5	80	20	0
DC	3	4	1	8	38	50	13
EB	2	1	2	5	40	20	40
EE	6	3	0	9	67	33	0
EG	12	0	1	13	92	0	8
EL	3	4	3	10	30	40	30
EP	2	2	2	6	33	33	33
ES	10	2	1	13	77	15	8
ET	6	3	2	11	55	27	18
FG	3	4	3	10	30	40	30
FL	6	3	0	9	67	33	0
FM	4	0	0	4	100	0	0
FN	5	0	0	5	100	0	0
GA	7	1	2	10	70	10	20
GE	5	7	1	13	38	54	8
GS	1	1	2	4	25	25	50
HA	6	5	2	13	46	38	15
HC	2	1	0	3	67	33	0
HI	7	2	2	11	64	18	18
HL	4	3	2	9	44	33	22
HR	1	1	2	4	25	25	50
ID	2	3	0	5	40	60	0
IE	9	1	0	10	90	10	0
IN	6	3	0	9	67	33	0
IR	1	1	0	2	50	50	0
IS	4	7	0	11	36	64	0

Summary of Laboratory Evaluations by Matrix

Matrix: WA

Labcode	Evaluation Summary			Total Analyses	Evaluation Percentages		
	A	W	N		%A	%W	%N
IT	5	5	0	10	50	50	0
KA	7	3	0	10	70	30	0
LA	16	11	3	30	53	37	10
LB	2	5	1	8	25	63	13
LH	8	2	2	12	67	17	17
LL	6	0	0	6	100	0	0
LM	0	2	2	4	0	50	50
LW	4	1	0	5	80	20	0
ME	5	0	0	5	100	0	0
MI	6	2	2	10	60	20	20
ML	4	2	0	6	67	33	0
NA	8	2	0	10	80	20	0
NC	3	1	0	4	75	25	0
NJ	11	2	0	13	85	15	0
NL	4	1	0	5	80	20	0
NY	1	0	0	1	100	0	0
OB	2	0	2	4	50	0	50
OD	8	2	0	10	80	20	0
OI	3	2	0	5	60	40	0
OL	3	1	0	4	75	25	0
OR	8	1	0	9	89	11	0
OS	4	0	0	4	100	0	0
OT	9	0	1	10	90	0	10
PA	6	1	0	7	86	14	0
PB	2	1	0	3	67	33	0
PC	9	0	0	9	100	0	0
PI	3	0	0	3	100	0	0
PR	6	0	0	6	100	0	0
RE	9	0	0	9	100	0	0
RF	4	0	4	8	50	0	50
RG	7	0	0	7	100	0	0
RI	6	2	0	8	75	25	0
SA	4	0	0	4	100	0	0
SC	7	3	0	10	70	30	0
SK	9	1	0	10	90	10	0
SR	9	3	0	12	75	25	0
SV	1	0	1	2	50	0	50
SW	4	1	4	9	44	11	44
TI	5	8	0	13	38	62	0
TM	7	2	0	9	78	22	0
TN	11	1	0	12	92	8	0
TO	7	2	2	11	64	18	18
UC	5	1	0	6	83	17	0
UK	2	3	1	6	33	50	17
UP	8	0	0	8	100	0	0
UY	2	7	0	9	22	78	0
WA	10	2	1	13	77	15	8
WC	4	6	0	10	40	60	0
WI	4	0	0	4	100	0	0
WN	5	5	0	10	50	50	0
WP	7	1	0	8	88	13	0
WV	5	1	2	8	63	13	25

Summary of Laboratory Evaluations by Matrix

Matrix: WA

Labcode	Evaluation Summary			Total Analyses		Evaluation Percentages		
	A	W	N			%A	%W	%N
YA	9	3	1	13		69	23	8
Totals 106 Labs	590	226	84	900		66%	25%	9%

Summary of Matrix Evaluations by Radionuclide

Matrix: AI

Radio-Nuclide	Evaluation Summary			Total Analyses	Evaluation Percentages		
	A	W	N		%A	%W	%N
AM241	44	8	7	59	75	14	12
CE144	26	41	12	79	33	52	15
CO 57	33	39	7	79	42	49	9
CO 60	43	31	8	82	52	38	10
CS134	68	8	7	83	82	10	8
CS137	49	28	7	84	58	33	8
GA	33	16	6	55	60	29	11
GB	28	19	8	55	51	35	15
MN 54	47	28	6	81	58	35	7
PU238	47	5	1	53	89	9	2
PU239	40	9	9	58	69	16	16
SB125	59	12	4	75	79	16	5
SR 90	40	3	4	47	85	6	9
U 234	17	7	8	32	53	22	25
U 235	5	3	0	8	63	38	0
U 238	2	2	23	27	7	7	85
U BQ	5	3	6	14	36	21	43
U UG	5	3	4	12	42	25	33
Totals	591	265	127	983	60%	27%	13%

Summary of Matrix Evaluations by Radionuclide

Matrix: SO

Radio-Nuclide	Evaluation Summary			Total Analyses	Evaluation Percentages		
	A	W	N		%A	%W	%N
AM241	41	12	2	55	75	22	4
CS137	80	5	5	90	89	6	6
K 40	71	9	5	85	84	11	6
PU238	56	6	7	69	81	9	10
PU239	57	8	9	74	77	11	12
SR 90	32	7	7	46	70	15	15
U 234	35	11	4	50	70	22	8
U 235	5	0	4	9	56	0	44
U 238	42	9	3	54	78	17	6
U BQ	19	3	1	23	83	13	4
U UG	13	1	0	14	93	7	0
Totals	451	71	47	569	79%	12%	8%

Summary of Matrix Evaluations by Radionuclide

Matrix: VE

Radio-Nuclide	Evaluation Summary			Total Analyses	Evaluation Percentages		
	A	W	N		%A	%W	%N
AM241	31	8	5	44	70	18	11
CO 60	41	17	12	70	59	24	17
CS137	62	10	4	76	82	13	5
K 40	58	11	4	73	79	15	5
PU238	12	7	22	41	29	17	54
PU239	48	3	3	54	89	6	6
SR 90	38	9	4	51	75	18	8
Totals	290	65	54	409	71%	16%	13%

Summary of Matrix Evaluations by Radionuclide

Matrix: WA

Radio-Nuclide	Evaluation Summary			Total Analyses	Evaluation Percentages		
	A	W	N		%A	%W	%N
AM241	48	16	9	73	66	22	12
CO 60	63	25	8	96	66	26	8
CS134	79	8	6	93	85	9	6
CS137	63	33	4	100	63	33	4
FE 55	8	5	3	16	50	31	19
GA	40	17	3	60	67	28	5
GB	30	22	7	59	51	37	12
H 3	49	26	6	81	60	32	7
MN 54	64	23	7	94	68	24	7
PU239	46	18	12	76	61	24	16
SR 90	41	17	3	61	67	28	5
U 234	31	9	6	46	67	20	13
U 235	6	7	1	14	43	50	7
U BQ	15	0	4	19	79	0	21
U UG	7	0	5	12	58	0	42
Totals	590	226	84	900	66%	25%	9%

Results by Laboratory

Labcode: AA		Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Test No.	Radio-Nuclide							
Matrix: AI								
1	AM241	0.177	0.003	0.177	0.003	1.00	0.02	A
1	CE144	91.200	0.912	91.200	0.912	1.00	0.01	A
1	CO 57	12.700	0.127	12.700	0.127	1.00	0.01	A
1	CO 60	3.760	0.376	3.760	0.376	1.00	0.14	A
1	CS134	5.750	0.575	5.750	0.575	1.00	0.14	A
1	CS137	5.280	0.528	5.280	0.528	1.00	0.14	A
1	GA	3.220	0.240	3.220	0.240	1.00	0.11	A
1	GB	1.850	0.139	1.850	0.139	1.00	0.11	A
1	MN 54	4.710	0.470	4.710	0.470	1.00	0.14	A
1	PU238	0.122	0.004	0.122	0.004	1.00	0.05	A
1	PU239	0.062	0.002	0.062	0.002	1.00	0.04	A
1	SB125	9.420	0.942	9.420	0.942	1.00	0.14	A
1	SR 90	0.739	0.054	0.739	0.054	1.00	0.10	A
1	U 234	0.059	0.002	0.059	0.002	1.00	0.04	A
1	U 235	0.030	0.009	0.030	0.009	1.00	0.42	A
1	U 238	0.002	0.000	0.002	0.000	1.00	0.14	A
1	U BQ	0.091	0.005	0.091	0.005	1.00	0.08	A
1	U UG	0.538	0.021	0.538	0.021	1.00	0.06	A
Matrix: SO								
1	AM241	3.200	0.754	3.200	0.754	1.00	0.33	A
1	CS137	266.000	3.560	266.000	3.560	1.00	0.02	A
1	K 40	384.000	27.800	384.000	27.800	1.00	0.10	A
1	PU238	32.000	0.567	32.000	0.567	1.00	0.03	A
1	PU239	6.760	0.440	6.760	0.440	1.00	0.09	A
1	SR 90	11.300	1.500	11.300	1.500	1.00	0.19	A
1	U 234	30.300	1.790	30.300	1.790	1.00	0.08	A
1	U 235	1.590	0.075	1.590	0.075	1.00	0.07	A
1	U 238	31.600	1.270	31.600	1.270	1.00	0.06	A
1	U BQ	63.400	3.200	63.400	3.200	1.00	0.07	A
1	U UG	2.500	0.130	2.500	0.130	1.00	0.07	A
Matrix: VE								
1	AM241	0.702	0.048	0.702	0.048	1.00	0.10	A
1	CO 60	9.600	1.700	9.600	1.700	1.00	0.25	A
1	CS137	117.000	3.270	117.000	3.270	1.00	0.04	A
1	K 40	1030.000	8.160	1030.000	8.160	1.00	0.01	A
1	PU238	0.089	0.019	0.089	0.019	1.00	0.31	A
1	PU239	1.120	0.159	1.120	0.159	1.00	0.20	A
1	SR 90	512.000	52.500	512.000	52.500	1.00	0.15	A
Matrix: WA								
1	AM241	1.330	0.073	1.330	0.073	1.00	0.08	A
1	CO 60	196.000	3.490	196.000	3.490	1.00	0.03	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: AA								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
1	CS134	83.500	1.800	83.500	1.800	1.00	0.03	A
1	CS137	76.800	2.280	76.800	2.280	1.00	0.04	A
1	FE 55	119.000	5.820	119.000	5.820	1.00	0.07	A
1	GA	1340.000	40.000	1340.000	40.000	1.00	0.04	A
1	GB	653.000	19.300	653.000	19.300	1.00	0.04	A
1	H 3	60.300	2.310	60.300	2.310	1.00	0.05	A
1	MN 54	43.500	2.060	43.500	2.060	1.00	0.07	A
1	PU239	0.591	0.047	0.591	0.047	1.00	0.11	A
1	SR 90	2.400	0.225	2.400	0.225	1.00	0.13	A
1	U 234	0.373	0.013	0.373	0.013	1.00	0.05	A
1	U 235	0.196	0.006	0.196	0.006	1.00	0.04	A
1	U BQ	0.568	0.028	0.568	0.028	1.00	0.07	A
1	U UG	0.003	0.000	0.003	0.000	1.00	0.07	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: AC								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.186	0.012	0.177	0.003	1.05	0.07	A
1	CE144	55.600	1.200	91.200	0.912	0.61	0.01	W
1	CO 57	8.440	0.460	12.700	0.127	0.67	0.04	W
1	CO 60	3.040	0.220	3.760	0.376	0.81	0.10	W
1	CS134	5.480	0.240	5.750	0.575	0.95	0.10	A
1	CS137	4.700	0.260	5.280	0.528	0.89	0.10	A
1	MN 54	3.770	0.200	4.710	0.470	0.80	0.09	W
1	PU238	0.115	0.009	0.122	0.004	0.94	0.08	A
1	PU239	0.068	0.006	0.062	0.002	1.09	0.10	A
1	SB125	8.370	0.920	9.420	0.942	0.89	0.13	A
1	SR 90	0.790	0.010	0.739	0.054	1.07	0.08	A
Matrix: SO								
1	AM241	3.000	0.700	3.200	0.754	0.94	0.31	A
1	CS137	333.000	3.000	266.000	3.560	1.25	0.02	A
1	K 40	447.000	13.000	384.000	27.800	1.16	0.09	A
1	PU238	33.700	3.300	32.000	0.567	1.05	0.11	A
1	PU239	7.800	1.100	6.760	0.440	1.15	0.18	A
1	SR 90	11.700	1.570	11.300	1.500	1.04	0.20	A
Matrix: VE								
1	AM241	0.740	0.190	0.702	0.048	1.05	0.28	A
1	CO 60	8.760	0.920	9.600	1.700	0.91	0.19	A
1	CS137	134.000	2.000	117.000	3.270	1.15	0.04	A
1	K 40	1140.000	26.000	1030.000	8.160	1.11	0.03	A
1	SR 90	500.000	6.000	512.000	52.500	0.98	0.10	A
Matrix: WA								
1	AM241	1.400	0.130	1.330	0.073	1.05	0.11	A
1	CO 60	208.000	3.000	196.000	3.490	1.06	0.02	A
1	CS134	95.500	1.700	83.500	1.800	1.14	0.03	A
1	CS137	91.600	0.900	76.800	2.280	1.19	0.04	W
1	MN 54	52.100	0.700	43.500	2.060	1.20	0.06	W
1	SR 90	2.500	0.120	2.400	0.225	1.04	0.11	A
1	U 234	0.350	0.040	0.373	0.013	0.94	0.11	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
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Results by Laboratory

Labcode: AE								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: SO								
1	AM241	2.380	0.320	3.200	0.754	0.74	0.20	A
1	CS137	284.000	16.000	266.000	3.560	1.07	0.06	A
1	K 40	326.000	50.000	384.000	27.800	0.85	0.14	A
1	PU238	32.800	1.900	32.000	0.567	1.03	0.06	A
1	PU239	6.700	0.800	6.760	0.440	0.99	0.14	A
1	U 234	24.600	1.300	30.300	1.790	0.81	0.06	A
1	U 238	25.800	1.300	31.600	1.270	0.82	0.05	A
Matrix: WA								
1	AM241	1.140	0.050	1.330	0.073	0.86	0.06	A
1	CO 60	207.000	8.000	196.000	3.490	1.06	0.04	A
1	CS134	99.000	8.000	83.500	1.800	1.19	0.10	W
1	CS137	84.000	5.700	76.800	2.280	1.09	0.08	A
1	H 3	55.300	8.200	60.300	2.310	0.92	0.14	A
1	MN 54	44.300	3.700	43.500	2.060	1.02	0.10	A
1	U 234	0.380	0.050	0.373	0.013	1.02	0.14	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: AG

Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.156	0.010	0.177	0.003	0.88	0.06	A
2	AM241	0.156	0.016	0.177	0.003	0.88	0.09	A
1	CE144	68.600	6.800	91.200	0.912	0.75	0.07	W
2	CE144	68.600	6.900	91.200	0.912	0.75	0.08	W
1	CO 57	8.760	0.880	12.700	0.127	0.69	0.07	W
1	CO 60	2.940	0.290	3.760	0.376	0.78	0.11	W
1	CS134	4.980	0.500	5.750	0.575	0.87	0.12	A
1	CS137	4.330	0.430	5.280	0.528	0.82	0.12	W
1	GA	3.680	0.400	3.220	0.240	1.14	0.15	A
1	GB	2.360	0.240	1.850	0.139	1.28	0.16	W
1	MN 54	3.640	0.360	4.710	0.470	0.77	0.11	W
1	PU238	0.104	0.010	0.122	0.004	0.85	0.09	A
1	PU239	0.060	0.006	0.062	0.002	0.96	0.10	A
2	PU239	0.060	0.009	0.062	0.002	0.96	0.15	A
1	SB125	7.840	0.780	9.420	0.942	0.83	0.12	A
1	SR 90	0.737	0.035	0.739	0.054	1.00	0.09	A
2	SR 90	0.737	0.074	0.739	0.054	1.00	0.12	A
2	SR 90	0.737	0.074	0.739	0.054	1.00	0.12	A
1	U 234	0.104	0.010	0.059	0.002	1.76	0.18	N
1	U 238	0.045	0.005	0.002	0.000	22.50	3.36	N
1	U UG	0.570	0.050	0.538	0.021	1.06	0.10	A
2	U UG	0.570	0.030	0.538	0.021	1.06	0.07	A
Matrix: SO								
1	AM241	2.860	0.290	3.200	0.754	0.89	0.23	A
1	CS137	272.000	9.000	266.000	3.560	1.02	0.04	A
2	CS137	272.000	27.000	266.000	3.560	1.02	0.10	A
1	K 40	395.000	28.000	384.000	27.800	1.03	0.10	A
2	K 40	395.000	39.000	384.000	27.800	1.03	0.13	A
1	PU238	32.500	2.500	32.000	0.567	1.02	0.08	A
2	PU238	32.500	3.200	32.000	0.567	1.02	0.10	A
1	PU239	7.300	0.400	6.760	0.440	1.08	0.09	A
2	PU239	7.300	0.730	6.760	0.440	1.08	0.13	A
1	SR 90	16.900	1.800	11.300	1.500	1.50	0.26	A
1	U 234	25.400	2.500	30.300	1.790	0.84	0.10	A
1	U 238	25.500	2.500	31.600	1.270	0.81	0.09	A
1	U UG	2.040	0.040	2.500	0.130	0.82	0.05	A
2	U UG	2.040	0.050	2.500	0.130	0.82	0.05	A
Matrix: VE								
1	AM241	0.661	0.053	0.702	0.048	0.94	0.10	A
2	AM241	0.661	0.066	0.702	0.048	0.94	0.11	A
1	CO 60	8.620	0.800	9.600	1.700	0.90	0.18	A
2	CO 60	8.620	0.860	9.600	1.700	0.90	0.18	A
1	CS137	129.000	8.000	117.000	3.270	1.10	0.08	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: AG								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
2	CS137	129.000	13.000	117.000	3.270	1.10	0.12	A
1	K 40	1150.000	97.000	1030.000	8.160	1.12	0.09	A
2	K 40	1150.000	120.000	1030.000	8.160	1.12	0.12	A
1	PU238	0.109	0.012	0.089	0.019	1.23	0.30	W
2	PU238	0.109	0.011	0.089	0.019	1.23	0.30	W
1	PU239	1.060	0.050	1.120	0.159	0.95	0.14	A
2	PU239	1.060	0.110	1.120	0.159	0.95	0.17	A
1	SR 90	437.000	32.000	512.000	52.500	0.85	0.11	A
Matrix: WA								
1	AM241	1.460	0.070	1.330	0.073	1.10	0.08	A
2	AM241	1.460	0.070	1.330	0.073	1.10	0.08	A
2	AM241	1.460	0.150	1.330	0.073	1.10	0.13	A
1	CO 60	202.000	15.000	196.000	3.490	1.03	0.08	A
2	CO 60	202.000	20.000	196.000	3.490	1.03	0.10	A
1	CS134	109.000	3.000	83.500	1.800	1.31	0.05	N
2	CS134	109.000	11.000	83.500	1.800	1.31	0.14	N
1	CS137	109.000	3.000	76.800	2.280	1.42	0.06	N
2	CS137	87.700	2.400	76.800	2.280	1.14	0.05	A
3	CS137	87.700	8.800	76.800	2.280	1.14	0.12	A
1	FE 55	151.000	15.000	119.000	5.820	1.27	0.14	W
1	GA	1420.000	142.000	1340.000	40.000	1.06	0.11	A
1	GB	907.000	91.000	653.000	19.300	1.39	0.15	W
1	H 3	43.500	6.900	60.300	2.310	0.72	0.12	W
2	H 3	43.100	4.300	60.300	2.310	0.72	0.08	W
1	MN 54	48.700	1.500	43.500	2.060	1.12	0.06	A
2	MN 54	48.700	4.900	43.500	2.060	1.12	0.12	A
1	PU239	0.680	0.040	0.591	0.047	1.15	0.11	A
2	PU239	0.680	0.070	0.591	0.047	1.15	0.15	A
1	SR 90	2.770	0.170	2.400	0.225	1.15	0.13	A
2	SR 90	2.770	0.280	2.400	0.225	1.15	0.16	A
1	U 234	0.417	0.042	0.373	0.013	1.12	0.12	A
1	U UG	0.003	0.000	0.003	0.000	1.29	0.13	N
2	U UG	0.003	0.000	0.003	0.000	1.29	0.10	N

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: AM								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.360	0.060	0.177	0.003	2.03	0.34	N
1	CE144	72.100	0.640	91.200	0.912	0.79	0.01	A
1	CO 57	9.370	0.080	12.700	0.127	0.74	0.01	W
1	CO 60	3.020	0.130	3.760	0.376	0.80	0.09	W
1	CS134	4.090	0.100	5.750	0.575	0.71	0.07	W
1	CS137	4.460	0.160	5.280	0.528	0.85	0.09	A
1	GA	3.990	0.120	3.220	0.240	1.24	0.10	W
1	GB	2.360	0.230	1.850	0.139	1.28	0.16	W
1	MN 54	3.860	0.160	4.710	0.470	0.82	0.09	W
1	PU239	0.360	0.060	0.062	0.002	5.78	0.98	N
1	SB125	6.130	0.280	9.420	0.942	0.65	0.07	W
1	U 238	0.110	0.110	0.002	0.000	55.00	55.30	N
Matrix: SO								
1	AM241	3.150	0.920	3.200	0.754	0.98	0.37	A
1	CS137	323.000	3.860	266.000	3.560	1.21	0.02	A
1	K 40	439.000	24.100	384.000	27.800	1.14	0.10	A
1	PU238	874.000	513.000	32.000	0.567	27.30	16.00	N
1	PU239	18.100	7.210	6.760	0.440	2.68	1.08	N
1	U 238	36.100	14.000	31.600	1.270	1.14	0.45	A
Matrix: VE								
1	AM241	1.940	1.690	0.702	0.048	2.76	2.41	N
1	CO 60	13.500	4.000	9.600	1.700	1.41	0.49	N
1	CS137	147.000	5.550	117.000	3.270	1.26	0.06	A
1	K 40	1260.000	61.800	1030.000	8.160	1.22	0.06	A
Matrix: WA								
1	AM241	2.570	1.220	1.330	0.073	1.93	0.92	N
1	CO 60	233.000	1.590	196.000	3.490	1.19	0.02	N
1	CS134	96.100	1.180	83.500	1.800	1.15	0.03	A
1	CS137	97.200	1.680	76.800	2.280	1.27	0.04	W
1	GA	1010.000	12.900	1340.000	40.000	0.75	0.02	W
1	GB	835.000	9.300	653.000	19.300	1.28	0.04	W
1	MN 54	51.600	1.410	43.500	2.060	1.19	0.06	W
1	PU239	4.060	2.280	0.591	0.047	6.87	3.90	N

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 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: AN

Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.178	0.005	0.177	0.003	1.01	0.03	A
1	CE144	70.300	1.250	91.200	0.912	0.77	0.02	W
1	CO 57	10.100	0.130	12.700	0.127	0.80	0.01	A
1	CO 60	3.390	0.099	3.760	0.376	0.90	0.09	A
1	CS134	5.470	0.122	5.750	0.575	0.95	0.10	A
1	CS137	4.780	0.139	5.280	0.528	0.91	0.09	A
1	GA	4.260	0.210	3.220	0.240	1.32	0.12	W
1	GB	1.920	0.100	1.850	0.139	1.04	0.09	A
1	MN 54	4.150	0.094	4.710	0.470	0.88	0.09	A
1	PU238	0.059	0.007	0.122	0.004	0.48	0.06	W
1	PU239	0.032	0.004	0.062	0.002	0.51	0.07	N
1	SB125	8.610	0.247	9.420	0.942	0.91	0.10	A
1	SR 90	0.786	0.014	0.739	0.054	1.06	0.08	A
1	U 234	0.070	0.004	0.059	0.002	1.19	0.08	A
1	U 235	0.042	0.002	0.030	0.009	1.39	0.42	W
Matrix: SO								
1	AM241	2.370	0.120	3.200	0.754	0.74	0.18	A
1	CS137	291.000	6.600	266.000	3.560	1.09	0.03	A
1	K 40	420.000	11.400	384.000	27.800	1.09	0.08	A
1	PU238	32.300	1.380	32.000	0.567	1.01	0.05	A
1	PU239	7.000	0.320	6.760	0.440	1.04	0.08	A
1	SR 90	13.400	0.180	11.300	1.500	1.19	0.16	A
1	U 234	30.200	1.730	30.300	1.790	1.00	0.08	A
1	U 238	29.900	1.700	31.600	1.270	0.95	0.07	A
Matrix: VE								
1	AM241	0.680	0.030	0.702	0.048	0.97	0.08	A
1	CO 60	8.870	1.230	9.600	1.700	0.92	0.21	A
1	CS137	138.000	2.100	117.000	3.270	1.18	0.04	A
1	K 40	1140.000	20.000	1030.000	8.160	1.11	0.02	A
1	PU238	0.097	0.009	0.089	0.019	1.09	0.26	A
1	PU239	1.160	0.070	1.120	0.159	1.04	0.16	A
1	SR 90	479.000	1.300	512.000	52.500	0.94	0.10	A
Matrix: WA								
1	AM241	1.380	0.038	1.330	0.073	1.04	0.06	A
1	CO 60	233.000	3.400	196.000	3.490	1.19	0.03	N
1	CS134	94.700	0.100	83.500	1.800	1.13	0.02	A
1	CS137	91.000	2.200	76.800	2.280	1.18	0.05	W
1	GA	1430.000	72.000	1340.000	40.000	1.07	0.06	A
1	GB	768.000	38.000	653.000	19.300	1.18	0.07	A
1	H 3	49.200	1.170	60.300	2.310	0.82	0.04	W
1	MN 54	48.900	1.400	43.500	2.060	1.12	0.06	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: AN								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
1	PU239	0.714	0.018	0.591	0.047	1.21	0.10	W
1	SR 90	2.360	0.040	2.400	0.225	0.98	0.09	A
1	U 234	0.406	0.012	0.373	0.013	1.09	0.05	A
1	U 235	0.241	0.010	0.196	0.006	1.23	0.06	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: AR

Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.149	0.023	0.177	0.003	0.84	0.13	A
1	CE144	61.200	8.320	91.200	0.912	0.67	0.09	W
1	CO 57	8.930	0.640	12.700	0.127	0.70	0.05	W
1	CO 60	2.960	0.300	3.760	0.376	0.79	0.11	W
1	CS134	4.650	0.450	5.750	0.575	0.81	0.11	A
1	CS137	4.320	0.360	5.280	0.528	0.82	0.11	W
1	GA	4.550	0.110	3.220	0.240	1.41	0.11	W
1	GB	1.750	0.050	1.850	0.139	0.95	0.08	A
1	MN 54	3.800	0.330	4.710	0.470	0.81	0.11	W
1	PU238	0.125	0.022	0.122	0.004	1.03	0.18	A
1	PU239	0.068	0.016	0.062	0.002	1.09	0.26	A
1	SB125	8.140	0.780	9.420	0.942	0.86	0.12	A
1	SR 90	0.807	0.099	0.739	0.054	1.09	0.16	A
1	U 234	0.069	0.015	0.059	0.002	1.17	0.26	A
1	U 238	0.019	0.008	0.002	0.000	9.35	4.01	N
1	U UG	1.040	0.100	0.538	0.021	1.93	0.20	N
Matrix: SO								
1	AM241	2.920	0.980	3.200	0.754	0.91	0.37	A
1	CS137	290.000	14.000	266.000	3.560	1.09	0.05	A
1	K 40	364.000	34.000	384.000	27.800	0.95	0.11	A
1	PU238	32.100	3.600	32.000	0.567	1.00	0.11	A
1	PU239	10.400	2.000	6.760	0.440	1.54	0.31	W
1	SR 90	14.200	2.100	11.300	1.500	1.26	0.25	A
1	U 234	23.000	4.800	30.300	1.790	0.76	0.17	A
1	U 238	21.900	5.400	31.600	1.270	0.69	0.17	W
1	U UG	2.130	0.200	2.500	0.130	0.85	0.09	A
Matrix: VE								
1	AM241	0.541	0.215	0.702	0.048	0.77	0.31	A
1	CO 60	1.670	0.650	9.600	1.700	0.17	0.07	N
1	CS137	23.100	2.300	117.000	3.270	0.20	0.02	N
1	K 40	160.000	21.000	1030.000	8.160	0.16	0.02	N
1	PU238	0.000	0.244	0.089	0.019	0.00	0.11	N
1	PU239	1.260	0.490	1.120	0.159	1.13	0.47	A
1	SR 90	77.700	13.200	512.000	52.500	0.15	0.03	N
Matrix: WA								
1	AM241	1.510	0.150	1.330	0.073	1.14	0.13	A
1	CO 60	218.000	11.000	196.000	3.490	1.11	0.06	W
1	CS134	90.300	5.100	83.500	1.800	1.08	0.07	A
1	CS137	91.000	5.300	76.800	2.280	1.18	0.08	W
1	GA	1400.000	60.000	1340.000	40.000	1.04	0.05	A
1	GB	631.000	32.000	653.000	19.300	0.97	0.06	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: AR								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
1	H 3	59.400	7.700	60.300	2.310	0.99	0.13	A
1	MN 54	52.600	3.600	43.500	2.060	1.21	0.10	W
1	PU239	0.801	0.112	0.591	0.047	1.36	0.22	N
1	SR 90	2.830	0.390	2.400	0.225	1.18	0.20	W
1	U 234	0.376	0.074	0.373	0.013	1.01	0.20	A
1	U UG	0.003	0.000	0.003	0.000	1.13	0.13	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable .

Results by Laboratory

Labcode: AT								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.167	0.041	0.177	0.003	0.94	0.23	A
1	CE144	76.500	37.600	91.200	0.912	0.84	0.41	A
1	CO 57	13.600	6.190	12.700	0.127	1.07	0.49	A
1	CO 60	4.130	0.270	3.760	0.376	1.10	0.13	A
1	CS134	6.180	0.300	5.750	0.575	1.08	0.12	A
1	CS137	6.090	0.190	5.280	0.528	1.15	0.12	A
1	MN 54	5.530	0.380	4.710	0.470	1.17	0.14	A
1	PU238	0.123	0.040	0.122	0.004	1.01	0.33	A
1	PU239	0.056	0.025	0.062	0.002	0.90	0.40	A
1	SB125	10.200	0.320	9.420	0.942	1.08	0.11	A
1	U 234	0.052	0.024	0.059	0.002	0.88	0.41	A
1	U 238	0.005	0.009	0.002	0.000	2.60	4.51	N
Matrix: SO								
1	AM241	4.170	0.840	3.200	0.754	1.30	0.40	A
1	CS137	320.000	13.000	266.000	3.560	1.20	0.05	A
1	K 40	432.000	19.000	384.000	27.800	1.13	0.10	A
1	PU238	45.700	5.900	32.000	0.567	1.43	0.19	N
1	PU239	12.900	3.100	6.760	0.440	1.91	0.48	W
1	U 234	30.000	4.200	30.300	1.790	0.99	0.15	A
1	U 238	27.300	3.800	31.600	1.270	0.86	0.13	A
Matrix: VE								
1	AM241	0.602	0.115	0.702	0.048	0.86	0.17	A
1	CO 60	6.200	2.300	9.600	1.700	0.65	0.27	N
1	CS137	149.000	6.700	117.000	3.270	1.27	0.07	A
1	K 40	1290.000	51.000	1030.000	8.160	1.25	0.05	W
1	PU238	0.840	0.690	0.089	0.019	9.47	8.05	N
1	PU239	1.420	0.600	1.120	0.159	1.27	0.56	A
Matrix: WA								
1	AM241	0.930	0.150	1.330	0.073	0.70	0.12	W
1	CO 60	221.000	8.900	196.000	3.490	1.13	0.05	W
1	CS134	86.500	3.500	83.500	1.800	1.04	0.05	A
1	CS137	90.800	5.700	76.800	2.280	1.18	0.08	W
1	H 3	35.500	2.500	60.300	2.310	0.59	0.05	N
1	MN 54	47.100	3.120	43.500	2.060	1.08	0.09	A
1	PU239	0.832	0.203	0.591	0.047	1.41	0.36	N
1	U 234	0.407	0.113	0.373	0.013	1.09	0.31	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: AU								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.145	0.013	0.177	0.003	0.82	0.07	A
1	CE144	71.300	1.420	91.200	0.912	0.78	0.02	A
1	CO 57	10.000	0.200	12.700	0.127	0.79	0.02	A
1	CO 60	3.200	0.460	3.760	0.376	0.85	0.15	A
1	CS134	5.250	0.300	5.750	0.575	0.91	0.11	A
1	CS137	4.820	0.390	5.280	0.528	0.91	0.12	A
1	MN 54	4.510	0.380	4.710	0.470	0.96	0.13	A
1	PU238	0.109	0.012	0.122	0.004	0.89	0.10	A
1	PU239	0.058	0.009	0.062	0.002	0.94	0.15	A
1	SB125	8.290	0.960	9.420	0.942	0.88	0.14	A
1	U BQ	0.074	0.008	0.091	0.005	0.81	0.10	A
Matrix: SO								
1	AM241	1.500	1.200	3.200	0.754	0.47	0.39	W
1	CS137	298.000	2.700	266.000	3.560	1.12	0.02	A
1	K 40	429.000	45.000	384.000	27.800	1.12	0.14	A
1	PU238	43.000	0.140	32.000	0.567	1.34	0.02	W
1	PU239	10.800	0.070	6.760	0.440	1.60	0.11	W
1	SR 90	14.300	2.700	11.300	1.500	1.27	0.29	A
1	U BQ	54.400	3.300	63.400	3.200	0.86	0.07	A
Matrix: VE								
1	AM241	0.640	0.270	0.702	0.048	0.91	0.39	A
1	CO 60	12.700	3.200	9.600	1.700	1.32	0.41	W
1	CS137	141.000	4.200	117.000	3.270	1.21	0.05	A
1	K 40	1210.000	73.000	1030.000	8.160	1.17	0.07	A
1	PU239	1.190	0.370	1.120	0.159	1.06	0.36	A
1	SR 90	490.000	9.700	512.000	52.500	0.96	0.10	A
Matrix: WA								
1	AM241	1.250	0.085	1.330	0.073	0.94	0.08	A
1	CO 60	208.000	1.800	196.000	3.490	1.06	0.02	A
1	CS134	83.600	2.700	83.500	1.800	1.00	0.04	A
1	CS137	82.200	2.900	76.800	2.280	1.07	0.05	A
1	H 3	41.800	6.800	60.300	2.310	0.69	0.12	W
1	MN 54	46.500	4.400	43.500	2.060	1.07	0.11	A
1	PU239	0.673	0.072	0.591	0.047	1.14	0.15	A
1	SR 90	2.170	0.200	2.400	0.225	0.90	0.12	A
1	U BQ	0.557	0.047	0.568	0.028	0.98	0.10	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: AW								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.430	0.170	0.177	0.003	2.43	0.96	N
1	CE144	92.900	13.900	91.200	0.912	1.02	0.15	A
1	CO 57	13.700	2.100	12.700	0.127	1.08	0.17	A
1	CO 60	3.800	0.600	3.760	0.376	1.01	0.19	A
1	CS134	5.800	0.900	5.750	0.575	1.01	0.19	A
1	CS137	5.600	0.800	5.280	0.528	1.06	0.19	A
1	MN 54	5.100	0.800	4.710	0.470	1.08	0.20	A
1	SB125	9.400	1.400	9.420	0.942	1.00	0.18	A
Matrix: SO								
1	CS137	103.000	20.700	266.000	3.560	0.39	0.08	N
Matrix: WA								
1	AM241	0.790	0.320	1.330	0.073	0.59	0.24	W
1	CO 60	195.000	29.300	196.000	3.490	1.00	0.15	A
1	CS134	82.700	12.400	83.500	1.800	0.99	0.15	A
1	CS137	78.700	11.800	76.800	2.280	1.03	0.16	A
1	H 3	49.200	4.900	60.300	2.310	0.82	0.09	W
1	MN 54	43.500	6.500	43.500	2.060	1.00	0.16	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: BA								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	CE144	76.500	5.500	91.200	0.912	0.84	0.06	A
1	CO 57	10.800	0.640	12.700	0.127	0.85	0.05	A
1	CO 60	3.680	0.200	3.760	0.376	0.98	0.11	A
1	CS134	5.680	0.320	5.750	0.575	0.99	0.11	A
1	CS137	5.460	0.410	5.280	0.528	1.03	0.13	A
1	MN 54	4.470	0.440	4.710	0.470	0.95	0.13	A
1	PU238	0.120	0.020	0.122	0.004	0.98	0.17	A
1	PU239	0.051	0.014	0.062	0.002	0.82	0.23	A
1	SB125	10.000	0.580	9.420	0.942	1.06	0.12	A
1	SR 90	0.780	0.130	0.739	0.054	1.05	0.19	A
Matrix: SO								
1	CS137	285.000	27.000	266.000	3.560	1.07	0.10	A
Matrix: VE								
1	CS137	166.000	29.000	117.000	3.270	1.42	0.25	W
1	SR 90	256.000	12.000	512.000	52.500	0.50	0.06	W
Matrix: WA								
1	CO 60	212.000	7.400	196.000	3.490	1.08	0.04	A
1	CS134	88.200	5.700	83.500	1.800	1.06	0.07	A
1	CS137	82.300	7.200	76.800	2.280	1.07	0.10	A
1	MN 54	51.000	6.200	43.500	2.060	1.17	0.15	W
1	SR 90	2.000	0.300	2.400	0.225	0.83	0.15	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: BC								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	CS137	4.960	0.000	5.280	0.528	0.94	0.09	A
1	GA	3.540	0.000	3.220	0.240	1.10	0.08	A
1	GB	3.570	0.000	1.850	0.139	1.93	0.15	N
1	SR 90	0.770	0.000	0.739	0.054	1.04	0.08	A
1	U 234	0.074	0.000	0.059	0.002	1.25	0.03	A
Matrix: SO								
1	CS137	268.000	0.000	266.000	3.560	1.01	0.01	A
1	K 40	337.000	0.000	384.000	27.800	0.88	0.06	A
1	U 234	17.100	0.000	30.300	1.790	0.56	0.03	W
1	U 238	18.200	0.000	31.600	1.270	0.58	0.02	W
Matrix: VE								
1	CS137	126.000	0.000	117.000	3.270	1.08	0.03	A
1	K 40	1020.000	0.000	1030.000	8.160	0.99	0.01	A
1	SR 90	271.000	0.000	512.000	52.500	0.53	0.05	W
Matrix: WA								
1	CS137	87.000	0.000	76.800	2.280	1.13	0.03	A
1	GA	1660.000	0.000	1340.000	40.000	1.24	0.04	W
1	GB	1070.000	0.000	653.000	19.300	1.64	0.05	N
1	SR 90	2.120	0.000	2.400	0.225	0.88	0.08	A
1	U 234	0.372	0.000	0.373	0.013	1.00	0.03	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: BE								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.177	0.005	0.177	0.003	1.00	0.03	A
1	CE144	69.600	7.950	91.200	0.912	0.76	0.09	W
1	CO 57	9.880	0.870	12.700	0.127	0.78	0.07	W
1	CO 60	3.570	0.495	3.760	0.376	0.95	0.16	A
1	CS134	4.800	0.485	5.750	0.575	0.84	0.12	A
1	CS137	5.200	0.660	5.280	0.528	0.99	0.16	A
1	GA	3.130	0.000	3.220	0.240	0.97	0.07	A
1	GB	2.010	0.000	1.850	0.139	1.09	0.08	A
1	MN 54	4.880	0.640	4.710	0.470	1.04	0.17	A
1	PU238	0.119	0.005	0.122	0.004	0.98	0.05	A
1	PU239	0.068	0.004	0.062	0.002	1.09	0.07	A
1	SB125	3.000	0.920	9.420	0.942	0.32	0.10	N
1	SR 90	0.762	0.093	0.739	0.054	1.03	0.15	A
1	U 234	0.067	0.003	0.059	0.002	1.14	0.06	A
Matrix: SO								
1	AM241	2.610	0.407	3.200	0.754	0.82	0.23	A
1	CS137	320.000	29.600	266.000	3.560	1.20	0.11	A
1	K 40	288.000	41.100	384.000	27.800	0.75	0.12	W
1	PU238	31.200	2.210	32.000	0.567	0.98	0.07	A
1	PU239	6.890	0.640	6.760	0.440	1.02	0.12	A
1	SR 90	12.200	2.250	11.300	1.500	1.08	0.25	A
1	U 234	34.100	2.630	30.300	1.790	1.13	0.11	W
1	U 238	31.700	2.500	31.600	1.270	1.00	0.09	A
Matrix: VE								
1	AM241	0.705	0.062	0.702	0.048	1.00	0.11	A
1	CS137	231.000	29.700	117.000	3.270	1.97	0.26	N
1	PU238	0.099	0.023	0.089	0.019	1.11	0.36	A
1	PU239	1.220	0.087	1.120	0.159	1.09	0.17	A
1	SR 90	492.000	50.300	512.000	52.500	0.96	0.14	A
Matrix: WA								
1	AM241	1.410	0.037	1.330	0.073	1.06	0.06	A
1	CO 60	210.000	17.300	196.000	3.490	1.07	0.09	A
1	CS134	91.500	7.610	83.500	1.800	1.10	0.09	A
1	CS137	87.600	7.690	76.800	2.280	1.14	0.11	A
1	GA	1560.000	185.000	1340.000	40.000	1.16	0.14	A
1	GB	770.000	76.000	653.000	19.300	1.18	0.12	A
1	H 3	69.600	15.600	60.300	2.310	1.15	0.26	A
1	MN 54	49.600	4.780	43.500	2.060	1.14	0.12	A
1	PU239	0.674	0.030	0.591	0.047	1.14	0.11	A
1	SR 90	2.100	0.330	2.400	0.225	0.88	0.16	A
1	U 234	0.397	0.022	0.373	0.013	1.06	0.07	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: BK

Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: WA								
1	CO 60	219.000	3.290	196.000	3.490	1.12	0.03	W
1	CS134	90.200	3.020	83.500	1.800	1.08	0.04	A
1	CS137	92.600	3.970	76.800	2.280	1.21	0.06	W
1	MN 54	49.300	2.090	43.500	2.060	1.13	0.07	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: BL

Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.170	0.010	0.177	0.003	0.96	0.06	A
2	AM241	0.190	0.020	0.177	0.003	1.07	0.12	A
1	CE144	71.500	1.800	91.200	0.912	0.78	0.02	A
1	CO 57	10.300	0.300	12.700	0.127	0.81	0.03	A
1	CO 60	3.200	0.200	3.760	0.376	0.85	0.10	A
1	CS134	5.390	0.250	5.750	0.575	0.94	0.10	A
1	CS137	4.460	0.200	5.280	0.528	0.85	0.09	A
1	MN 54	4.070	0.200	4.710	0.470	0.86	0.10	A
1	PU238	0.120	0.010	0.122	0.004	0.98	0.09	A
2	PU238	0.130	0.010	0.122	0.004	1.07	0.09	A
1	PU239	0.070	0.010	0.062	0.002	1.12	0.16	A
2	PU239	0.070	0.010	0.062	0.002	1.12	0.16	A
1	SB125	8.330	0.590	9.420	0.942	0.88	0.11	A
1	SR 90	0.620	0.320	0.739	0.054	0.84	0.44	A
1	U 234	0.030	0.000	0.059	0.002	0.51	0.01	N
1	U 238	0.029	0.000	0.002	0.000	14.50	1.45	N
1	U BQ	0.059	0.001	0.091	0.005	0.65	0.04	W
2	U BQ	0.059	0.000	0.091	0.005	0.65	0.04	W
1	U UG	2.370	0.000	0.538	0.021	4.41	0.17	N
Matrix: SO								
1	AM241	3.080	0.010	3.200	0.754	0.96	0.23	A
1	CS137	276.000	7.000	266.000	3.560	1.04	0.03	A
1	K 40	398.000	19.000	384.000	27.800	1.04	0.09	A
1	PU238	31.300	1.400	32.000	0.567	0.98	0.05	A
1	PU239	7.280	0.740	6.760	0.440	1.08	0.13	A
1	SR 90	9.000	5.000	11.300	1.500	0.80	0.46	A
1	U 234	30.500	0.000	30.300	1.790	1.01	0.06	A
2	U 234	32.400	0.000	30.300	1.790	1.07	0.06	A
1	U 238	29.800	0.000	31.600	1.270	0.94	0.04	A
2	U 238	31.600	0.000	31.600	1.270	1.00	0.04	A
1	U BQ	60.300	0.000	63.400	3.200	0.95	0.05	A
2	U BQ	64.000	0.000	63.400	3.200	1.01	0.05	A
1	U UG	2.460	0.000	2.500	0.130	0.98	0.05	A
2	U UG	2.610	0.000	2.500	0.130	1.04	0.05	A
Matrix: VE								
1	AM241	0.330	0.070	0.702	0.048	0.47	0.11	N
1	CO 60	7.270	1.450	9.600	1.700	0.76	0.20	W
1	CS137	129.000	4.000	117.000	3.270	1.10	0.05	A
1	K 40	1110.000	40.000	1030.000	8.160	1.08	0.04	A
1	PU238	0.260	0.190	0.089	0.019	2.93	2.24	N
1	PU239	1.190	0.300	1.120	0.159	1.06	0.31	A
1	SR 90	387.000	13.000	512.000	52.500	0.76	0.08	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: BL								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: WA								
1	AM241	1.470	0.060	1.330	0.073	1.11	0.08	A
2	AM241	1.380	0.060	1.330	0.073	1.04	0.07	A
1	CO 60	230.000	7.000	196.000	3.490	1.17	0.04	W
1	CS134	98.000	2.800	83.500	1.800	1.17	0.04	A
1	CS137	88.300	2.500	76.800	2.280	1.15	0.05	A
1	FE 55	95.000	6.000	119.000	5.820	0.80	0.06	A
2	FE 55	111.000	6.000	119.000	5.820	0.93	0.07	A
1	GA	1350.000	28.000	1340.000	40.000	1.01	0.04	A
2	GA	1280.000	27.000	1340.000	40.000	0.96	0.03	A
1	GB	631.000	17.000	653.000	19.300	0.97	0.04	A
2	GB	643.000	17.000	653.000	19.300	0.99	0.04	A
1	H 3	63.700	5.800	60.300	2.310	1.06	0.10	A
1	MN 54	52.100	1.600	43.500	2.060	1.20	0.07	W
1	PU239	0.650	0.040	0.591	0.047	1.10	0.11	A
2	PU239	0.730	0.070	0.591	0.047	1.24	0.15	W
1	SR 90	2.270	1.070	2.400	0.225	0.95	0.46	A
1	U 234	0.038	0.000	0.373	0.013	0.10	0.00	N
2	U 234	0.044	0.000	0.373	0.013	0.12	0.00	N
1	U BQ	0.077	0.001	0.568	0.028	0.14	0.01	N
2	U BQ	0.088	0.001	0.568	0.028	0.16	0.01	N

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: BM		Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Test No.	Radio-Nuclide							
Matrix: AI								
1	AM241	0.260	0.110	0.177	0.003	1.47	0.62	W
1	CE144	74.500	5.200	91.200	0.912	0.82	0.06	A
1	CO 57	10.700	0.700	12.700	0.127	0.84	0.06	A
1	CO 60	3.200	0.220	3.760	0.376	0.85	0.10	A
1	CS134	5.800	0.410	5.750	0.575	1.01	0.12	A
1	CS137	5.080	0.360	5.280	0.528	0.96	0.12	A
1	MN 54	4.310	0.300	4.710	0.470	0.92	0.11	A
1	PU238	0.114	0.012	0.122	0.004	0.93	0.10	A
1	PU239	0.059	0.007	0.062	0.002	0.95	0.12	A
1	SB125	8.840	0.620	9.420	0.942	0.94	0.12	A
1	SR 90	0.700	0.110	0.739	0.054	0.95	0.16	A
1	U 234	0.069	0.008	0.059	0.002	1.17	0.14	A
1	U 238	0.003	0.001	0.002	0.000	1.70	0.67	W
Matrix: SO								
1	AM241	2.300	0.900	3.200	0.754	0.72	0.33	W
1	CS137	226.000	5.000	266.000	3.560	0.85	0.02	A
1	K 40	277.000	31.000	384.000	27.800	0.72	0.10	W
1	PU238	27.700	2.500	32.000	0.567	0.87	0.08	A
2	PU238	31.400	3.900	32.000	0.567	0.98	0.12	A
1	PU239	6.000	0.600	6.760	0.440	0.89	0.11	A
2	PU239	7.100	0.800	6.760	0.440	1.05	0.14	A
1	SR 90	7.600	3.800	11.300	1.500	0.67	0.35	W
1	U 234	32.400	20.000	30.300	1.790	1.07	0.66	A
2	U 234	26.100	2.600	30.300	1.790	0.86	0.10	A
3	U 234	24.700	3.000	30.300	1.790	0.82	0.11	A
1	U 238	26.100	2.600	31.600	1.270	0.83	0.09	A
2	U 238	23.500	3.100	31.600	1.270	0.74	0.10	A
Matrix: VE								
1	AM241	0.770	0.170	0.702	0.048	1.10	0.25	A
1	CO 60	7.620	3.000	9.600	1.700	0.79	0.34	W
1	CS137	105.000	11.000	117.000	3.270	0.90	0.10	A
1	K 40	810.000	42.000	1030.000	8.160	0.79	0.04	A
1	PU238	0.230	0.080	0.089	0.019	2.59	1.07	N
1	PU239	1.050	0.130	1.120	0.159	0.94	0.18	A
2	PU239	0.890	0.180	1.120	0.159	0.80	0.20	A
1	SR 90	85.400	12.800	512.000	52.500	0.17	0.03	N
Matrix: WA								
1	AM241	1.330	0.150	1.330	0.073	1.00	0.13	A
1	CO 60	198.000	2.400	196.000	3.490	1.01	0.02	A
1	CS134	96.200	1.600	83.500	1.800	1.15	0.03	A
1	CS137	90.000	1.800	76.800	2.280	1.17	0.04	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: BM								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
1	MN 54	47.400	1.700	43.500	2.060	1.09	0.06	A
1	PU239	0.680	0.090	0.591	0.047	1.15	0.18	A
2	PU239	0.660	0.070	0.591	0.047	1.12	0.15	A
1	SR 90	1.890	0.280	2.400	0.225	0.79	0.14	W
1	U 234	0.420	0.050	0.373	0.013	1.13	0.14	A
2	U 234	0.410	0.050	0.373	0.013	1.10	0.14	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: BN								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	CE144	76.000	17.100	91.200	0.912	0.83	0.19	A
1	CO 57	11.300	3.060	12.700	0.127	0.89	0.24	A
1	CO 60	3.370	1.210	3.760	0.376	0.90	0.33	A
1	CS134	5.300	0.600	5.750	0.575	0.92	0.14	A
1	CS137	5.200	0.350	5.280	0.528	0.99	0.12	A
1	GA	3.870	0.310	3.220	0.240	1.20	0.13	A
1	GB	2.970	0.120	1.850	0.139	1.61	0.14	N
1	MN 54	4.700	0.920	4.710	0.470	1.00	0.22	A
1	SB125	9.330	1.170	9.420	0.942	0.99	0.16	A
Matrix: SO								
1	CS137	302.000	34.200	266.000	3.560	1.14	0.13	A
1	K 40	378.000	15.000	384.000	27.800	0.98	0.08	A
Matrix: VE								
1	CO 60	6.100	0.870	9.600	1.700	0.64	0.14	N
1	CS137	110.000	13.300	117.000	3.270	0.94	0.12	A
1	K 40	820.000	76.000	1030.000	8.160	0.80	0.07	A
Matrix: WA								
1	CO 60	206.000	12.200	196.000	3.490	1.05	0.07	A
1	CS134	96.000	5.290	83.500	1.800	1.15	0.07	A
1	CS137	96.000	6.000	76.800	2.280	1.25	0.09	W
1	H 3	56.700	11.000	60.300	2.310	0.94	0.19	A
1	MN 54	48.300	3.060	43.500	2.060	1.11	0.09	A
1	SR 90	1.800	0.000	2.400	0.225	0.75	0.07	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: BP								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: SO								
1	CS137	320.000	17.000	266.000	3.560	1.20	0.07	A
1	K 40	423.000	20.000	384.000	27.800	1.10	0.10	A
1	SR 90	13.300	1.200	11.300	1.500	1.18	0.19	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: BQ								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: SO								
1	CS137	271.000	9.000	266.000	3.560	1.02	0.04	A
1	K 40	292.000	140.000	384.000	27.800	0.76	0.37	W
1	U UG	2.540	0.010	2.500	0.130	1.02	0.05	A
Matrix: VE								
1	CS137	116.000	12.000	117.000	3.270	0.99	0.11	A
1	K 40	890.000	330.000	1030.000	8.160	0.86	0.32	A
Matrix: WA								
1	CO 60	226.000	1.000	196.000	3.490	1.15	0.02	W
1	CS134	88.900	0.700	83.500	1.800	1.07	0.02	A
1	CS137	85.200	0.600	76.800	2.280	1.11	0.03	A
1	MN 54	47.900	0.600	43.500	2.060	1.10	0.05	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: BR								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	CE144	56.600	2.920	91.200	0.912	0.62	0.03	W
1	CO 57	8.830	0.450	12.700	0.127	0.70	0.04	W
1	CO 60	5.160	0.840	3.760	0.376	1.37	0.26	N
1	CS134	4.770	0.570	5.750	0.575	0.83	0.13	A
1	CS137	4.960	0.770	5.280	0.528	0.94	0.17	A
1	MN 54	4.520	0.870	4.710	0.470	0.96	0.21	A
1	SB125	9.560	1.930	9.420	0.942	1.02	0.23	A
Matrix: SO								
1	CS137	313.000	11.300	266.000	3.560	1.18	0.05	A
1	K 40	406.000	37.300	384.000	27.800	1.06	0.12	A
Matrix: VE								
1	CO 60	10.700	2.270	9.600	1.700	1.12	0.31	A
1	CS137	135.000	11.200	117.000	3.270	1.15	0.10	A
1	K 40	996.000	64.900	1030.000	8.160	0.97	0.06	A
Matrix: WA								
1	CO 60	204.000	3.700	196.000	3.490	1.04	0.03	A
1	CS134	101.000	2.900	83.500	1.800	1.21	0.04	W
1	CS137	95.900	3.780	76.800	2.280	1.25	0.06	W
1	MN 54	50.700	3.960	43.500	2.060	1.17	0.11	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: BS								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.280	0.030	0.177	0.003	1.58	0.17	W
1	CE144	64.800	0.300	91.200	0.912	0.71	0.01	W
1	CO 57	9.190	0.040	12.700	0.127	0.72	0.01	W
1	CO 60	2.910	0.140	3.760	0.376	0.77	0.09	W
1	CS134	5.300	0.130	5.750	0.575	0.92	0.09	A
1	CS137	4.410	0.090	5.280	0.528	0.84	0.09	W
1	MN 54	4.260	0.130	4.710	0.470	0.90	0.09	A
1	SB125	7.300	0.170	9.420	0.942	0.78	0.08	W
Matrix: SO								
1	AM241	3.170	0.650	3.200	0.754	0.99	0.31	A
1	CS137	272.000	1.350	266.000	3.560	1.02	0.01	A
1	K 40	370.000	8.960	384.000	27.800	0.96	0.07	A
1	U BQ	88.900	15.000	63.400	3.200	1.40	0.25	W
Matrix: VE								
1	AM241	0.400	0.200	0.702	0.048	0.57	0.29	W
1	CO 60	6.190	1.400	9.600	1.700	0.65	0.19	N
1	CS137	103.000	1.000	117.000	3.270	0.88	0.03	A
1	K 40	837.000	19.000	1030.000	8.160	0.81	0.02	A
Matrix: WA								
1	AM241	1.170	0.400	1.330	0.073	0.88	0.31	A
1	CO 60	206.000	0.800	196.000	3.490	1.05	0.02	A
1	CS134	89.600	0.600	83.500	1.800	1.07	0.02	A
1	CS137	82.200	0.500	76.800	2.280	1.07	0.03	A
1	MN 54	47.000	0.500	43.500	2.060	1.08	0.05	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: BU								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.180	0.080	0.177	0.003	1.02	0.45	A
1	CE144	101.000	5.000	91.200	0.912	1.11	0.06	A
1	CO 57	13.000	1.000	12.700	0.127	1.02	0.08	A
1	CO 60	3.500	0.300	3.760	0.376	0.93	0.12	A
1	CS134	5.400	0.700	5.750	0.575	0.94	0.15	A
1	CS137	5.300	0.500	5.280	0.528	1.00	0.14	A
1	MN 54	4.700	0.300	4.710	0.470	1.00	0.12	A
1	PU238	0.108	0.008	0.122	0.004	0.89	0.07	A
1	PU239	0.056	0.004	0.062	0.002	0.90	0.07	A
1	SR 90	0.940	0.090	0.739	0.054	1.27	0.15	A
1	U BQ	0.099	0.008	0.091	0.005	1.09	0.11	A
Matrix: SO								
1	CS137	360.000	20.000	266.000	3.560	1.35	0.08	W
1	K 40	480.000	40.000	384.000	27.800	1.25	0.14	A
1	PU238	32.000	2.000	32.000	0.567	1.00	0.07	A
1	PU239	8.700	0.600	6.760	0.440	1.29	0.12	A
1	SR 90	5.000	3.000	11.300	1.500	0.44	0.27	N
1	U BQ	32.000	5.000	63.400	3.200	0.51	0.08	A
Matrix: VE								
1	CO 60	9.600	0.800	9.600	1.700	1.00	0.20	A
1	CS137	165.000	8.000	117.000	3.270	1.41	0.08	W
1	K 40	1400.000	130.000	1030.000	8.160	1.36	0.13	W
1	PU238	0.300	0.200	0.089	0.019	3.38	2.37	N
1	PU239	0.800	0.500	1.120	0.159	0.71	0.46	W
1	SR 90	590.000	30.000	512.000	52.500	1.15	0.13	W
Matrix: WA								
1	AM241	0.900	0.200	1.330	0.073	0.68	0.16	W
1	CO 60	230.000	10.000	196.000	3.490	1.17	0.06	W
1	CS134	104.000	8.000	83.500	1.800	1.25	0.10	W
1	CS137	99.000	7.000	76.800	2.280	1.29	0.10	W
1	FE 55	49.000	3.000	119.000	5.820	0.41	0.03	N
1	GA	1440.000	30.000	1340.000	40.000	1.08	0.04	A
1	GB	490.000	50.000	653.000	19.300	0.75	0.08	W
1	H 3	78.000	2.000	60.300	2.310	1.29	0.06	W
1	MN 54	55.000	3.000	43.500	2.060	1.26	0.09	N
1	PU239	0.560	0.050	0.591	0.047	0.95	0.11	A
1	SR 90	1.800	0.200	2.400	0.225	0.75	0.11	W
1	U BQ	0.600	0.100	0.568	0.028	1.06	0.18	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: BX

Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	1.570	0.000	0.177	0.003	8.87	0.16	N
1	CE144	67.700	0.000	91.200	0.912	0.74	0.01	W
1	CO 57	9.810	0.000	12.700	0.127	0.77	0.01	W
1	CO 60	2.890	0.000	3.760	0.376	0.77	0.08	W
1	CS134	5.220	0.000	5.750	0.575	0.91	0.09	A
1	CS137	4.550	0.000	5.280	0.528	0.86	0.09	A
1	GA	3.620	0.000	3.220	0.240	1.12	0.08	A
1	GB	3.660	0.000	1.850	0.139	1.98	0.15	N
1	MN 54	3.850	0.000	4.710	0.470	0.82	0.08	W
1	PU238	0.127	0.000	0.122	0.004	1.04	0.04	A
1	PU239	0.055	0.000	0.062	0.002	0.88	0.03	A
1	SB125	8.580	0.000	9.420	0.942	0.91	0.09	A
1	SR 90	0.903	0.000	0.739	0.054	1.22	0.09	A
1	U 234	0.083	0.000	0.059	0.002	1.40	0.04	W
Matrix: SO								
1	CS137	271.000	0.000	266.000	3.560	1.02	0.01	A
1	K 40	336.000	0.000	384.000	27.800	0.88	0.06	A
1	PU238	25.500	0.000	32.000	0.567	0.80	0.01	A
1	PU239	6.590	0.000	6.760	0.440	0.98	0.06	A
1	U 234	18.200	0.000	30.300	1.790	0.60	0.04	W
1	U 238	16.400	0.000	31.600	1.270	0.52	0.02	W
Matrix: VE								
1	CO 60	7.660	0.000	9.600	1.700	0.80	0.14	W
1	CS137	124.000	0.000	117.000	3.270	1.06	0.03	A
2	K 40	999.000	0.000	1030.000	8.160	0.97	0.01	A
1	PU238	0.744	0.000	0.089	0.019	8.39	1.83	N
1	PU239	1.070	0.000	1.120	0.159	0.96	0.14	A
1	SR 90	266.000	0.000	512.000	52.500	0.52	0.05	W
Matrix: WA								
1	AM241	0.814	0.000	1.330	0.073	0.61	0.03	W
1	CO 60	209.000	0.000	196.000	3.490	1.07	0.02	A
1	CS134	89.500	0.000	83.500	1.800	1.07	0.02	A
1	CS137	88.400	0.000	76.800	2.280	1.15	0.03	A
1	FE 55	115.000	0.000	119.000	5.820	0.97	0.05	A
1	GA	1630.000	0.000	1340.000	40.000	1.22	0.04	W
1	GB	933.000	0.000	653.000	19.300	1.43	0.04	W
1	H 3	41.400	0.000	60.300	2.310	0.69	0.03	W
1	MN 54	49.200	0.000	43.500	2.060	1.13	0.05	A
1	PU239	0.629	0.000	0.591	0.047	1.06	0.09	A
1	SR 90	2.790	0.000	2.400	0.225	1.16	0.11	A
1	U 234	0.455	0.000	0.373	0.013	1.22	0.04	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: CA

Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	CE144	59.900	2.600	91.200	0.912	0.66	0.03	W
1	CO 57	8.400	0.300	12.700	0.127	0.66	0.02	W
1	CO 60	2.800	0.300	3.760	0.376	0.75	0.11	W
1	CS134	5.300	0.300	5.750	0.575	0.92	0.11	A
1	CS137	4.400	0.600	5.280	0.528	0.83	0.14	W
1	GA	3.100	0.100	3.220	0.240	0.96	0.08	A
1	GB	1.700	0.100	1.850	0.139	0.92	0.09	A
1	MN 54	3.600	0.100	4.710	0.470	0.76	0.08	W
1	SB125	8.200	0.400	9.420	0.942	0.87	0.10	A
Matrix: SO								
1	U UG	2.800	0.200	2.500	0.130	1.12	0.10	W
Matrix: WA								
1	CO 60	221.000	3.400	196.000	3.490	1.13	0.03	W
1	CS134	94.200	0.500	83.500	1.800	1.13	0.03	A
1	CS137	92.500	0.300	76.800	2.280	1.20	0.04	W
1	GA	1120.000	80.000	1340.000	40.000	0.84	0.06	A
1	GB	780.000	140.000	653.000	19.300	1.19	0.22	A
1	MN 54	50.400	1.000	43.500	2.060	1.16	0.06	W
1	U UG	0.005	0.001	0.003	0.000	2.04	0.22	N

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: CC								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.173	0.013	0.177	0.003	0.98	0.08	A
1	CE144	58.800	1.600	91.200	0.912	0.65	0.02	W
1	CO 57	8.710	0.270	12.700	0.127	0.69	0.02	W
1	CO 60	2.810	0.130	3.760	0.376	0.75	0.08	W
1	CS134	4.750	0.200	5.750	0.575	0.83	0.09	A
1	CS137	4.270	0.190	5.280	0.528	0.81	0.09	W
1	MN 54	3.740	0.180	4.710	0.470	0.79	0.09	W
1	PU238	0.123	0.010	0.122	0.004	1.01	0.09	A
1	PU239	0.060	0.006	0.062	0.002	0.96	0.10	A
1	SB125	3.780	0.330	9.420	0.942	0.40	0.05	N
1	SR 90	0.780	0.040	0.739	0.054	1.05	0.09	A
1	U 234	0.069	0.006	0.059	0.002	1.17	0.11	A
1	U 235	0.039	0.003	0.030	0.009	1.29	0.40	W
1	U 238	0.004	0.001	0.002	0.000	2.00	0.54	N
1	U UG	0.800	0.110	0.538	0.021	1.49	0.21	W
Matrix: SO								
1	AM241	2.520	0.170	3.200	0.754	0.79	0.19	A
1	CS137	304.000	10.000	266.000	3.560	1.14	0.04	A
1	K 40	395.000	25.000	384.000	27.800	1.03	0.10	A
1	PU238	30.200	1.300	32.000	0.567	0.94	0.04	A
1	PU239	7.100	0.800	6.760	0.440	1.05	0.14	A
1	SR 90	7.300	0.600	11.300	1.500	0.65	0.10	W
1	U 234	29.800	1.500	30.300	1.790	0.98	0.08	A
1	U 235	1.400	0.200	1.590	0.075	0.88	0.13	A
1	U 238	29.900	1.600	31.600	1.270	0.95	0.06	A
1	U UG	2.440	0.150	2.500	0.130	0.98	0.08	A
Matrix: VE								
1	AM241	0.710	0.150	0.702	0.048	1.01	0.23	A
1	CO 60	5.690	0.140	9.600	1.700	0.59	0.11	N
1	CS137	101.000	5.000	117.000	3.270	0.86	0.05	A
1	K 40	755.000	35.000	1030.000	8.160	0.73	0.03	W
1	PU238	0.090	0.030	0.089	0.019	1.02	0.41	A
1	PU239	1.310	0.200	1.120	0.159	1.17	0.24	A
1	SR 90	460.000	20.000	512.000	52.500	0.90	0.10	A
Matrix: WA								
1	AM241	1.370	0.110	1.330	0.073	1.03	0.10	A
1	CO 60	195.000	3.000	196.000	3.490	1.00	0.02	A
1	CS134	85.100	1.400	83.500	1.800	1.02	0.03	A
1	CS137	83.000	1.500	76.800	2.280	1.08	0.04	A
1	GA	1400.000	100.000	1340.000	40.000	1.04	0.08	A
1	GB	700.000	35.000	653.000	19.300	1.07	0.06	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: CC								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
1	H 3	46.500	3.500	60.300	2.310	0.77	0.07	W
1	MN 54	45.700	1.500	43.500	2.060	1.05	0.06	A
1	PU239	0.680	0.060	0.591	0.047	1.15	0.14	A
1	SR 90	2.230	0.170	2.400	0.225	0.93	0.11	A
1	U 234	0.385	0.015	0.373	0.013	1.03	0.05	A
1	U 235	0.230	0.030	0.196	0.006	1.17	0.16	A
1	U UG	0.003	0.000	0.003	0.000	1.31	0.17	N

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: CH								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.201	0.044	0.177	0.003	1.14	0.25	A
1	CE144	56.000	1.370	91.200	0.912	0.61	0.02	W
1	CO 57	8.190	0.231	12.700	0.127	0.65	0.02	W
1	CO 60	2.810	0.229	3.760	0.376	0.75	0.10	W
1	CS134	4.420	0.239	5.750	0.575	0.77	0.09	A
1	CS137	3.980	0.222	5.280	0.528	0.75	0.09	W
1	GA	3.570	0.090	3.220	0.240	1.11	0.09	A
1	GB	1.390	0.065	1.850	0.139	0.75	0.07	W
1	MN 54	3.560	0.224	4.710	0.470	0.76	0.09	W
1	PU238	0.134	0.024	0.122	0.004	1.10	0.20	A
1	PU239	0.085	0.020	0.062	0.002	1.37	0.33	W
1	SB125	7.670	0.552	9.420	0.942	0.81	0.10	A
1	SR 90	0.792	0.127	0.739	0.054	1.07	0.19	A
1	U 234	0.063	0.012	0.059	0.002	1.07	0.21	A
1	U 238	0.032	0.086	0.002	0.000	15.90	43.20	N
Matrix: SO								
1	CS137	281.000	4.070	266.000	3.560	1.06	0.02	A
1	K 40	396.000	22.000	384.000	27.800	1.03	0.09	A
1	PU238	34.000	2.000	32.000	0.567	1.06	0.07	A
1	PU239	7.550	0.833	6.760	0.440	1.12	0.14	A
1	SR 90	28.100	4.560	11.300	1.500	2.49	0.52	N
1	U 234	34.300	12.300	30.300	1.790	1.13	0.41	W
1	U 238	26.000	9.570	31.600	1.270	0.82	0.31	A
Matrix: VE								
1	CO 60	9.440	2.440	9.600	1.700	0.98	0.31	A
1	CS137	135.000	5.920	117.000	3.270	1.15	0.06	A
1	K 40	1160.000	69.600	1030.000	8.160	1.13	0.07	A
1	PU238	0.470	0.170	0.089	0.019	5.30	2.24	N
1	PU239	1.400	0.252	1.120	0.159	1.25	0.29	A
1	SR 90	491.000	8.110	512.000	52.500	0.96	0.10	A
Matrix: WA								
1	AM241	1.320	0.238	1.330	0.073	0.99	0.19	A
1	CO 60	186.000	3.370	196.000	3.490	0.95	0.02	A
1	CS134	87.700	2.240	83.500	1.800	1.05	0.04	A
1	CS137	81.800	2.260	76.800	2.280	1.07	0.04	A
1	GA	1470.000	55.600	1340.000	40.000	1.10	0.05	A
1	GB	674.000	38.500	653.000	19.300	1.03	0.07	A
1	H 3	44.600	10.100	60.300	2.310	0.74	0.17	W
1	MN 54	45.100	2.250	43.500	2.060	1.04	0.07	A
1	PU239	0.792	0.082	0.591	0.047	1.34	0.18	W
1	SR 90	2.370	0.268	2.400	0.225	0.99	0.15	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: CH								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
1	U 234	0.338	0.053	0.373	0.013	0.91	0.15	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable .

Results by Laboratory

Labcode: CL

Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.276	0.070	0.177	0.003	1.56	0.40	W
1	CE144	52.800	4.790	91.200	0.912	0.58	0.05	N
1	CO 57	9.340	0.420	12.700	0.127	0.74	0.03	W
1	CO 60	3.360	0.330	3.760	0.376	0.89	0.13	A
1	CS134	4.960	0.450	5.750	0.575	0.86	0.12	A
1	CS137	4.860	0.550	5.280	0.528	0.92	0.14	A
1	MN 54	4.220	0.510	4.710	0.470	0.90	0.14	A
1	PU238	0.126	0.080	0.122	0.004	1.03	0.66	A
1	PU239	0.124	0.040	0.062	0.002	1.99	0.65	N
1	SB125	10.000	1.460	9.420	0.942	1.06	0.19	A
1	SR 90	0.930	0.490	0.739	0.054	1.26	0.67	A
1	U 234	0.124	0.010	0.059	0.002	2.10	0.18	N
1	U 238	0.038	0.004	0.002	0.000	19.00	2.76	N
1	U BQ	0.164	0.020	0.091	0.005	1.80	0.24	N
Matrix: SO								
1	AM241	5.330	1.400	3.200	0.754	1.67	0.59	W
1	CS137	330.000	18.600	266.000	3.560	1.24	0.07	A
1	K 40	747.000	109.000	384.000	27.800	1.95	0.32	N
1	PU238	38.100	10.300	32.000	0.567	1.19	0.32	W
1	PU239	8.400	3.630	6.760	0.440	1.24	0.54	A
1	SR 90	11.000	4.500	11.300	1.500	0.97	0.42	A
1	U 234	34.500	11.500	30.300	1.790	1.14	0.39	W
1	U 238	31.400	11.200	31.600	1.270	0.99	0.36	A
1	U BQ	65.900	7.220	63.400	3.200	1.04	0.13	A
Matrix: VE								
1	AM241	1.000	0.600	0.702	0.048	1.43	0.86	A
1	CO 60	17.900	7.940	9.600	1.700	1.87	0.89	N
1	CS137	143.000	16.300	117.000	3.270	1.22	0.14	A
1	K 40	1770.000	213.000	1030.000	8.160	1.72	0.21	N
1	PU238	0.750	0.080	0.089	0.019	8.46	2.06	N
1	PU239	1.470	1.170	1.120	0.159	1.31	1.06	A
1	SR 90	394.000	12.700	512.000	52.500	0.77	0.08	A
Matrix: WA								
1	AM241	2.210	0.590	1.330	0.073	1.66	0.45	N
1	CO 60	233.000	6.460	196.000	3.490	1.19	0.04	N
1	CS134	102.000	3.090	83.500	1.800	1.22	0.05	W
1	CS137	99.800	3.340	76.800	2.280	1.30	0.06	N
1	H 3	89.200	8.400	60.300	2.310	1.48	0.15	W
1	MN 54	53.100	2.440	43.500	2.060	1.22	0.08	W
1	PU239	0.950	0.310	0.591	0.047	1.61	0.54	N
1	SR 90	2.270	0.500	2.400	0.225	0.95	0.23	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: CL								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
1	U 234	0.450	0.280	0.373	0.013	1.21	0.75	W
1	U BQ	0.550	0.060	0.568	0.028	0.97	0.12	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: CP								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.211	0.038	0.177	0.003	1.19	0.22	A
1	CE144	77.400	7.000	91.200	0.912	0.85	0.08	A
1	CO 57	11.200	1.000	12.700	0.127	0.88	0.08	A
1	CO 60	3.530	0.430	3.760	0.376	0.94	0.15	A
1	CS134	5.540	0.730	5.750	0.575	0.96	0.16	A
1	CS137	5.230	0.680	5.280	0.528	0.99	0.16	A
1	GA	3.870	0.080	3.220	0.240	1.20	0.09	A
1	GB	2.340	0.080	1.850	0.139	1.27	0.10	W
1	MN 54	4.710	0.780	4.710	0.470	1.00	0.19	A
1	SB125	10.400	1.300	9.420	0.942	1.10	0.18	A
1	SR 90	1.150	0.290	0.739	0.054	1.56	0.41	W
Matrix: SO								
1	AM241	6.580	1.290	3.200	0.754	2.06	0.63	W
1	CS137	316.000	33.000	266.000	3.560	1.19	0.13	A
1	K 40	623.000	120.000	384.000	27.800	1.62	0.33	N
1	PU239	2.590	0.610	6.760	0.440	0.38	0.09	N
1	SR 90	9.780	4.460	11.300	1.500	0.87	0.41	A
1	U BQ	17.200	9.500	63.400	3.200	0.27	0.15	W
Matrix: VE								
1	CO 60	8.530	4.170	9.600	1.700	0.89	0.46	A
1	CS137	132.000	15.000	117.000	3.270	1.13	0.13	A
1	K 40	1370.000	224.000	1030.000	8.160	1.33	0.22	W
1	PU239	1.310	0.230	1.120	0.159	1.17	0.26	A
1	SR 90	470.000	22.000	512.000	52.500	0.92	0.10	A
Matrix: WA								
1	AM241	1.130	0.160	1.330	0.073	0.85	0.13	A
1	CO 60	207.000	24.000	196.000	3.490	1.06	0.12	A
1	CS134	79.900	9.100	83.500	1.800	0.96	0.11	A
1	CS137	80.000	8.600	76.800	2.280	1.04	0.12	A
1	GA	1650.000	67.000	1340.000	40.000	1.23	0.06	W
1	GB	998.000	39.000	653.000	19.300	1.53	0.07	N
1	H 3	62.600	11.400	60.300	2.310	1.04	0.19	A
1	MN 54	44.100	5.600	43.500	2.060	1.01	0.14	A
1	PU239	0.228	0.093	0.591	0.047	0.39	0.16	N

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: CS								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.160	0.020	0.177	0.003	0.90	0.11	A
1	CE144	44.300	1.900	91.200	0.912	0.49	0.02	N
1	CO 57	7.050	0.230	12.700	0.127	0.56	0.02	N
1	CO 60	2.600	0.120	3.760	0.376	0.69	0.08	N
1	CS134	3.530	0.130	5.750	0.575	0.61	0.07	N
1	CS137	3.340	0.180	5.280	0.528	0.63	0.07	N
1	GA	3.810	0.090	3.220	0.240	1.18	0.09	A
1	GB	3.600	0.080	1.850	0.139	1.95	0.15	N
1	MN 54	4.010	0.200	4.710	0.470	0.85	0.10	A
1	SB125	6.040	0.190	9.420	0.942	0.64	0.07	W
Matrix: SO								
1	CS137	58.800	2.580	266.000	3.560	0.22	0.01	N
1	K 40	111.000	4.890	384.000	27.800	0.29	0.02	N
1	U 238	17.100	4.640	31.600	1.270	0.54	0.15	W
Matrix: VE								
1	AM241	0.140	0.030	0.702	0.048	0.20	0.04	N
1	CO 60	2.460	0.140	9.600	1.700	0.26	0.05	N
1	CS137	29.600	1.320	117.000	3.270	0.25	0.01	N
1	K 40	334.000	15.600	1030.000	8.160	0.32	0.02	N
Matrix: WA								
1	AM241	1.550	0.180	1.330	0.073	1.17	0.15	A
1	CO 60	211.000	6.440	196.000	3.490	1.08	0.04	A
1	CS134	88.100	1.740	83.500	1.800	1.05	0.03	A
1	CS137	85.000	3.680	76.800	2.280	1.11	0.06	A
1	MN 54	50.900	2.300	43.500	2.060	1.17	0.08	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: DC

Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.201	0.000	0.177	0.003	1.14	0.02	A
1	CE144	88.000	0.000	91.200	0.912	0.97	0.01	A
1	CO 57	11.300	0.000	12.700	0.127	0.89	0.01	A
1	CO 60	3.400	0.000	3.760	0.376	0.90	0.09	A
1	CS134	5.330	0.000	5.750	0.575	0.93	0.09	A
1	CS137	5.570	0.000	5.280	0.528	1.05	0.11	A
1	GA	3.690	0.000	3.220	0.240	1.15	0.09	A
1	GB	1.720	0.000	1.850	0.139	0.93	0.07	A
1	MN 54	4.630	0.000	4.710	0.470	0.98	0.10	A
1	PU238	0.124	0.000	0.122	0.004	1.02	0.03	A
1	PU239	0.058	0.000	0.062	0.002	0.93	0.03	A
1	SB125	8.170	0.000	9.420	0.942	0.87	0.09	A
1	SR 90	0.670	0.000	0.739	0.054	0.91	0.07	A
1	U 234	0.094	0.000	0.059	0.002	1.59	0.04	W
1	U 238	0.019	0.000	0.002	0.000	9.65	0.97	N
1	U BQ	13.000	0.000	0.091	0.005	143.00	7.85	N
Matrix: SO								
1	AM241	0.004	0.000	3.200	0.754	0.00	0.00	N
1	CS137	310.000	0.000	266.000	3.560	1.17	0.02	A
1	K 40	347.000	0.000	384.000	27.800	0.90	0.07	A
1	PU238	0.031	0.000	32.000	0.567	0.00	0.00	N
1	PU239	0.009	0.000	6.760	0.440	0.00	0.00	N
1	SR 90	11.000	0.000	11.300	1.500	0.97	0.13	A
1	U 234	0.028	0.000	30.300	1.790	0.00	0.00	N
1	U 238	0.029	0.000	31.600	1.270	0.00	0.00	N
1	U BQ	1.720	0.000	63.400	3.200	0.03	0.00	N
Matrix: VE								
1	AM241	1.180	0.000	0.702	0.048	1.68	0.12	W
1	CO 60	8.400	0.000	9.600	1.700	0.88	0.16	A
1	CS137	140.000	0.000	117.000	3.270	1.20	0.03	A
1	K 40	933.000	0.000	1030.000	8.160	0.91	0.01	A
1	PU238	0.004	0.000	0.089	0.019	0.04	0.01	N
1	PU239	1.180	0.000	1.120	0.159	1.05	0.15	A
1	SR 90	405.000	0.000	512.000	52.500	0.79	0.08	A
Matrix: WA								
1	CO 60	230.000	0.000	196.000	3.490	1.17	0.02	W
1	CS134	95.700	0.000	83.500	1.800	1.15	0.02	A
1	CS137	95.000	0.000	76.800	2.280	1.24	0.04	W
1	GA	1390.000	0.000	1340.000	40.000	1.04	0.03	A
1	GB	866.000	0.000	653.000	19.300	1.33	0.04	W
1	MN 54	53.000	0.000	43.500	2.060	1.22	0.06	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: DC								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
1	PU239	122.000	0.000	0.591	0.047	206.00	16.60	N
1	SR 90	2.150	0.000	2.400	0.225	0.90	0.08	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: EB								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: SO								
1	AM241	1.670	0.182	3.200	0.754	0.52	0.14	W
1	PU238	26.300	0.000	32.000	0.567	0.82	0.01	A
1	PU239	16.000	0.703	6.760	0.440	2.37	0.19	N
1	U 234	16.700	0.667	30.300	1.790	0.55	0.04	W
1	U 235	0.595	0.098	1.590	0.075	0.37	0.06	N
3	U 238	16.000	0.653	31.600	1.270	0.51	0.03	W
Matrix: VE								
1	AM241	0.370	0.000	0.702	0.048	0.53	0.04	W
1	PU238	0.230	0.001	0.089	0.019	2.59	0.57	N
1	PU239	0.100	0.000	1.120	0.159	0.09	0.01	N
Matrix: WA								
1	AM241	1.250	0.091	1.330	0.073	0.94	0.09	A
1	H 3	85.600	0.000	60.300	2.310	1.42	0.05	W
1	PU239	0.601	0.052	0.591	0.047	1.02	0.12	A
1	U 234	0.268	0.036	0.373	0.013	0.72	0.10	N
1	U 235	0.065	0.008	0.196	0.006	0.33	0.04	N

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: EE								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.181	0.017	0.177	0.003	1.02	0.10	A
1	CE144	68.800	8.870	91.200	0.912	0.75	0.10	W
1	CO 57	9.950	0.955	12.700	0.127	0.78	0.08	W
1	CO 60	3.270	0.289	3.760	0.376	0.87	0.12	A
1	CS134	4.770	1.110	5.750	0.575	0.83	0.21	A
1	CS137	4.830	0.773	5.280	0.528	0.92	0.17	A
1	MN 54	4.460	0.494	4.710	0.470	0.95	0.14	A
1	PU238	0.117	0.013	0.122	0.004	0.96	0.11	A
1	PU239	0.062	0.008	0.062	0.002	1.00	0.14	A
1	SB125	9.070	1.020	9.420	0.942	0.96	0.15	A
1	SR 90	0.981	0.228	0.739	0.054	1.33	0.32	A
Matrix: SO								
1	AM241	2.550	0.932	3.200	0.754	0.80	0.35	A
1	CS137	282.000	13.500	266.000	3.560	1.06	0.05	A
1	K 40	393.000	17.600	384.000	27.800	1.02	0.09	A
1	PU238	31.200	1.900	32.000	0.567	0.98	0.06	A
1	PU239	6.730	0.444	6.760	0.440	1.00	0.09	A
1	U 234	23.000	2.980	30.300	1.790	0.76	0.11	A
1	U 238	23.000	2.980	31.600	1.270	0.73	0.10	A
Matrix: VE								
1	AM241	0.873	0.090	0.702	0.048	1.24	0.15	A
1	CO 60	7.490	0.628	9.600	1.700	0.78	0.15	W
1	CS137	115.000	8.010	117.000	3.270	0.98	0.07	A
1	K 40	940.000	61.200	1030.000	8.160	0.91	0.06	A
1	PU239	1.380	0.123	1.120	0.159	1.23	0.21	A
1	SR 90	470.000	9.550	512.000	52.500	0.92	0.10	A
Matrix: WA								
1	AM241	1.370	0.100	1.330	0.073	1.03	0.09	A
1	CO 60	204.000	7.020	196.000	3.490	1.04	0.04	A
1	CS134	82.100	2.690	83.500	1.800	0.98	0.04	A
1	CS137	82.900	1.620	76.800	2.280	1.08	0.04	A
1	GA	1880.000	39.500	1340.000	40.000	1.40	0.05	W
1	GB	884.000	19.600	653.000	19.300	1.35	0.05	W
1	MN 54	47.400	1.810	43.500	2.060	1.09	0.07	A
1	PU239	0.707	0.057	0.591	0.047	1.20	0.14	W
1	SR 90	2.360	0.500	2.400	0.225	0.98	0.23	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: EG								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	CE144	64.000	5.000	91.200	0.912	0.70	0.06	W
1	CO 57	10.100	0.700	12.700	0.127	0.80	0.06	A
1	CO 60	3.300	0.300	3.760	0.376	0.88	0.12	A
1	CS134	5.600	0.400	5.750	0.575	0.97	0.12	A
1	CS137	4.600	0.300	5.280	0.528	0.87	0.10	A
1	GA	4.000	0.300	3.220	0.240	1.24	0.13	W
1	GB	2.800	0.400	1.850	0.139	1.51	0.24	N
1	MN 54	4.100	0.300	4.710	0.470	0.87	0.11	A
1	SB125	9.500	0.700	9.420	0.942	1.01	0.13	A
Matrix: SO								
1	AM241	2.720	0.280	3.200	0.754	0.85	0.22	A
1	CS137	294.000	22.000	266.000	3.560	1.11	0.08	A
1	K 40	352.000	33.000	384.000	27.800	0.92	0.11	A
1	PU238	36.900	2.300	32.000	0.567	1.15	0.07	W
1	PU239	7.150	0.540	6.760	0.440	1.06	0.11	A
1	SR 90	13.000	3.000	11.300	1.500	1.15	0.31	A
1	U 234	32.900	2.000	30.300	1.790	1.09	0.09	A
1	U 235	1.720	0.220	1.590	0.075	1.08	0.15	A
1	U 238	32.200	2.000	31.600	1.270	1.02	0.08	A
Matrix: VE								
1	CO 60	8.800	1.700	9.600	1.700	0.92	0.24	A
1	CS137	125.000	10.000	117.000	3.270	1.07	0.09	A
1	K 40	1070.000	87.000	1030.000	8.160	1.04	0.08	A
1	SR 90	585.000	48.000	512.000	52.500	1.14	0.15	W
Matrix: WA								
1	AM241	1.370	0.090	1.330	0.073	1.03	0.09	A
1	CO 60	209.000	15.000	196.000	3.490	1.07	0.08	A
1	CS134	92.000	6.000	83.500	1.800	1.10	0.08	A
1	CS137	85.000	6.000	76.800	2.280	1.11	0.08	A
1	FE 55	116.000	3.000	119.000	5.820	0.98	0.05	A
1	GA	1330.000	89.000	1340.000	40.000	0.99	0.07	A
1	GB	1070.000	168.000	653.000	19.300	1.64	0.26	N
1	H 3	53.000	13.000	60.300	2.310	0.88	0.22	A
1	MN 54	47.000	4.000	43.500	2.060	1.08	0.11	A
1	PU239	0.640	0.050	0.591	0.047	1.08	0.12	A
1	SR 90	2.100	0.200	2.400	0.225	0.88	0.12	A
1	U 234	0.390	0.040	0.373	0.013	1.05	0.11	A
1	U 235	0.200	0.030	0.196	0.006	1.02	0.16	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: EL								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.120	0.010	0.177	0.003	0.68	0.06	W
1	CE144	81.900	6.100	91.200	0.912	0.90	0.07	A
1	CO 57	12.100	0.600	12.700	0.127	0.95	0.05	A
1	CO 60	3.400	0.200	3.760	0.376	0.90	0.11	A
1	CS134	5.200	0.300	5.750	0.575	0.90	0.10	A
1	CS137	4.290	0.300	5.280	0.528	0.81	0.10	W
1	MN 54	4.980	0.200	4.710	0.470	1.06	0.11	A
1	SB125	3.880	0.200	9.420	0.942	0.41	0.05	N
1	SR 90	1.140	0.100	0.739	0.054	1.54	0.18	W
1	U 234	0.720	0.040	0.059	0.002	12.20	0.75	N
1	U 238	0.100	0.010	0.002	0.000	50.00	7.07	N
1	U UG	3.100	0.200	0.538	0.021	5.76	0.43	N
Matrix: SO								
1	AM241	1.760	0.300	3.200	0.754	0.55	0.16	W
1	CS137	233.000	8.000	266.000	3.560	0.88	0.03	A
1	K 40	350.000	17.000	384.000	27.800	0.91	0.08	A
1	SR 90	18.500	0.500	11.300	1.500	1.64	0.22	W
1	U 234	29.600	1.500	30.300	1.790	0.98	0.08	A
1	U 238	31.500	1.500	31.600	1.270	1.00	0.06	A
1	U BQ	61.100	1.500	63.400	3.200	0.96	0.05	A
Matrix: VE								
1	AM241	0.740	0.050	0.702	0.048	1.05	0.10	A
1	CO 60	10.900	0.800	9.600	1.700	1.14	0.22	A
1	CS137	109.000	5.200	117.000	3.270	0.93	0.05	A
1	K 40	966.000	15.000	1030.000	8.160	0.94	0.02	A
1	SR 90	537.000	26.000	512.000	52.500	1.05	0.12	A
Matrix: WA								
1	AM241	0.350	0.020	1.330	0.073	0.26	0.02	N
1	CO 60	195.000	8.300	196.000	3.490	1.00	0.05	A
1	CS134	77.300	4.100	83.500	1.800	0.93	0.05	A
1	CS137	68.900	3.100	76.800	2.280	0.90	0.05	W
2	CS137	68.900	3.100	76.800	2.280	0.90	0.05	W
1	H 3	47.500	6.700	60.300	2.310	0.79	0.12	W
1	MN 54	57.200	4.300	43.500	2.060	1.32	0.12	N
1	SR 90	1.670	0.500	2.400	0.225	0.70	0.22	W
1	U 234	0.620	0.020	0.373	0.013	1.66	0.08	N
1	U UG	0.003	0.000	0.003	0.000	1.04	0.06	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: EP								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	CE144	86.900	12.900	91.200	0.912	0.95	0.14	A
1	CO 57	12.600	0.999	12.700	0.127	0.99	0.08	A
1	CO 60	4.030	0.333	3.760	0.376	1.07	0.14	A
1	CS134	6.400	0.629	5.750	0.575	1.11	0.16	W
1	CS137	5.620	0.481	5.280	0.528	1.06	0.14	A
1	MN 54	5.200	0.661	4.710	0.470	1.10	0.18	A
1	PU238	0.128	0.014	0.122	0.004	1.05	0.12	A
1	PU239	0.068	0.008	0.062	0.002	1.08	0.13	A
1	SB125	10.400	1.520	9.420	0.942	1.10	0.20	A
Matrix: SO								
1	PU238	31.900	2.500	32.000	0.567	1.00	0.08	A
1	PU239	6.920	0.620	6.760	0.440	1.02	0.11	A
Matrix: VE								
1	PU239	1.060	0.149	1.120	0.159	0.95	0.19	A
1	SR 90	455.000	13.800	512.000	52.500	0.89	0.10	A
Matrix: WA								
1	CO 60	245.000	10.200	196.000	3.490	1.25	0.06	N
1	CS134	105.000	98.800	83.500	1.800	1.26	1.18	W
1	CS137	98.600	7.330	76.800	2.280	1.28	0.10	W
1	MN 54	55.200	6.430	43.500	2.060	1.27	0.16	N
1	PU239	0.651	0.069	0.591	0.047	1.10	0.15	A
1	SR 90	2.600	0.402	2.400	0.225	1.08	0.20	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: ES								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.210	0.020	0.177	0.003	1.19	0.12	A
1	CE144	63.800	0.930	91.200	0.912	0.70	0.01	W
1	CO 57	9.360	0.130	12.700	0.127	0.74	0.01	W
1	CO 60	3.060	0.120	3.760	0.376	0.81	0.09	W
1	CS134	4.610	0.110	5.750	0.575	0.80	0.08	A
1	CS137	4.460	0.160	5.280	0.528	0.85	0.09	A
1	GA	7.740	1.340	3.220	0.240	2.40	0.45	N
1	GB	2.890	0.500	1.850	0.139	1.56	0.30	N
1	MN 54	3.980	0.170	4.710	0.470	0.85	0.09	A
1	PU238	0.090	0.050	0.122	0.004	0.74	0.41	A
1	PU239	0.060	0.020	0.062	0.002	0.96	0.32	A
1	SB125	7.780	0.250	9.420	0.942	0.83	0.09	A
1	SR 90	3.550	0.620	0.739	0.054	4.80	0.91	N
1	U 234	0.110	0.020	0.059	0.002	1.86	0.34	N
1	U BQ	0.160	0.030	0.091	0.005	1.76	0.34	N
1	U UG	0.600	0.000	0.538	0.021	1.12	0.04	A
Matrix: SO								
1	AM241	2.960	1.330	3.200	0.754	0.93	0.47	A
1	CS137	301.000	5.140	266.000	3.560	1.13	0.02	A
1	K 40	418.000	27.600	384.000	27.800	1.09	0.11	A
1	PU238	31.900	3.850	32.000	0.567	1.00	0.12	A
1	PU239	8.880	1.280	6.760	0.440	1.31	0.21	A
1	SR 90	28.600	5.000	11.300	1.500	2.53	0.56	N
1	U 234	26.500	3.010	30.300	1.790	0.88	0.11	A
1	U 238	22.600	2.370	31.600	1.270	0.72	0.08	A
1	U BQ	50.100	6.000	63.400	3.200	0.79	0.10	A
1	U UG	2.260	0.000	2.500	0.130	0.90	0.05	A
Matrix: VE								
1	AM241	0.670	0.310	0.702	0.048	0.95	0.45	A
1	CO 60	8.890	1.900	9.600	1.700	0.93	0.26	A
1	CS137	143.000	5.650	117.000	3.270	1.22	0.06	A
1	K 40	1170.000	68.400	1030.000	8.160	1.14	0.07	A
1	PU238	0.150	0.270	0.089	0.019	1.69	3.07	W
1	PU239	1.010	0.180	1.120	0.159	0.90	0.21	A
1	SR 90	514.000	93.300	512.000	52.500	1.00	0.21	A
Matrix: WA								
1	AM241	1.310	0.171	1.330	0.073	0.99	0.14	A
1	CO 60	210.000	1.680	196.000	3.490	1.07	0.02	A
1	CS134	92.700	0.970	83.500	1.800	1.11	0.03	A
1	CS137	88.500	1.380	76.800	2.280	1.15	0.04	A
1	GA	1460.000	175.000	1340.000	40.000	1.09	0.14	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: ES								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	<u>Reported EML</u>	Ratio Error	Evaluation
1	GB	843.000	62.000	653.000	19.300	1.29	0.10	W
1	H 3	93.400	16.300	60.300	2.310	1.55	0.28	W
1	MN 54	48.300	1.240	43.500	2.060	1.11	0.06	A
1	PU239	0.633	0.071	0.591	0.047	1.07	0.15	A
1	SR 90	5.190	0.910	2.400	0.225	2.16	0.43	N
1	U 234	0.340	0.040	0.373	0.013	0.91	0.11	A
1	U BQ	0.603	0.082	0.568	0.028	1.06	0.15	A
1	U UG	0.003	0.000	0.003	0.000	0.98	0.05	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: ET

Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.221	0.025	0.177	0.003	1.25	0.14	W
1	CE144	58.500	2.860	91.200	0.912	0.64	0.03	W
1	CO 57	8.120	0.314	12.700	0.127	0.64	0.03	W
1	CO 60	2.860	0.113	3.760	0.376	0.76	0.08	W
1	CS134	4.670	0.158	5.750	0.575	0.81	0.09	A
1	CS137	3.840	0.206	5.280	0.528	0.73	0.08	W
1	GA	3.220	0.028	3.220	0.240	1.00	0.08	A
1	GB	1.560	0.017	1.850	0.139	0.84	0.06	A
1	MN 54	3.600	0.216	4.710	0.470	0.76	0.09	W
1	PU238	0.122	0.011	0.122	0.004	1.00	0.10	A
1	PU239	0.063	0.007	0.062	0.002	1.01	0.12	A
1	SB125	7.850	0.239	9.420	0.942	0.83	0.09	A
1	SR 90	0.618	0.031	0.739	0.054	0.84	0.07	A
1	U UG	0.452	0.007	0.538	0.021	0.84	0.04	A
Matrix: SO								
1	AM241	2.620	0.783	3.200	0.754	0.82	0.31	A
1	CS137	292.000	15.100	266.000	3.560	1.10	0.06	A
1	K 40	428.000	26.000	384.000	27.800	1.12	0.11	A
1	PU238	36.600	2.260	32.000	0.567	1.14	0.07	A
1	PU239	7.390	0.614	6.760	0.440	1.09	0.12	A
1	SR 90	3.960	0.289	11.300	1.500	0.35	0.05	N
1	U UG	1.970	0.030	2.500	0.130	0.79	0.04	A
Matrix: VE								
1	AM241	0.498	0.076	0.702	0.048	0.71	0.12	W
1	CO 60	9.790	0.866	9.600	1.700	1.02	0.20	A
1	CS137	142.000	8.330	117.000	3.270	1.21	0.08	A
1	K 40	1390.000	75.500	1030.000	8.160	1.35	0.07	W
1	PU238	0.185	0.018	0.089	0.019	2.09	0.50	N
1	PU239	1.070	0.064	1.120	0.159	0.96	0.15	A
1	SR 90	315.000	11.500	512.000	52.500	0.62	0.07	W
Matrix: WA								
1	AM241	1.520	0.099	1.330	0.073	1.14	0.10	A
1	CO 60	247.000	8.100	196.000	3.490	1.26	0.05	N
1	CS134	98.300	3.020	83.500	1.800	1.18	0.04	W
1	CS137	95.100	5.960	76.800	2.280	1.24	0.09	W
1	GA	1320.000	8.380	1340.000	40.000	0.99	0.03	A
1	GB	642.000	5.230	653.000	19.300	0.98	0.03	A
1	H 3	55.300	1.190	60.300	2.310	0.92	0.04	A
1	MN 54	56.900	3.250	43.500	2.060	1.31	0.10	N
1	PU239	0.648	0.054	0.591	0.047	1.10	0.13	A
1	SR 90	1.970	0.045	2.400	0.225	0.82	0.08	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: ET								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
1	U UG	0.003	0.000	0.003	0.000	1.05	0.05	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: FG								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.180	0.030	0.177	0.003	1.02	0.17	A
1	CE144	89.600	2.400	91.200	0.912	0.98	0.03	A
1	CO 57	12.500	0.500	12.700	0.127	0.98	0.04	A
1	CO 60	3.480	0.380	3.760	0.376	0.93	0.14	A
1	CS134	5.560	0.460	5.750	0.575	0.97	0.13	A
1	CS137	5.110	0.490	5.280	0.528	0.97	0.13	A
1	GA	4.000	0.130	3.220	0.240	1.24	0.10	W
1	GB	1.000	0.120	1.850	0.139	0.54	0.08	W
1	MN 54	4.500	0.460	4.710	0.470	0.96	0.14	A
1	SB125	9.280	0.800	9.420	0.942	0.99	0.13	A
Matrix: SO								
1	AM241	3.300	0.900	3.200	0.754	1.03	0.37	A
1	CS137	317.000	3.400	266.000	3.560	1.19	0.02	A
1	K 40	477.000	11.600	384.000	27.800	1.24	0.09	A
1	PU238	8.100	0.500	32.000	0.567	0.25	0.02	W
1	PU239	5.200	0.400	6.760	0.440	0.77	0.08	W
1	U BQ	26.700	1.700	63.400	3.200	0.42	0.03	A
Matrix: WA								
1	AM241	1.720	0.300	1.330	0.073	1.29	0.24	W
1	CO 60	234.000	9.600	196.000	3.490	1.19	0.05	N
1	CS134	116.000	4.300	83.500	1.800	1.39	0.06	N
1	CS137	98.800	3.700	76.800	2.280	1.29	0.06	W
1	GA	1320.000	56.000	1340.000	40.000	0.99	0.05	A
1	GB	803.000	59.000	653.000	19.300	1.23	0.10	W
1	H 3	67.000	11.000	60.300	2.310	1.11	0.19	A
1	PU239	0.800	0.200	0.591	0.047	1.35	0.36	N
1	SR 90	2.990	0.200	2.400	0.225	1.25	0.14	W
1	U BQ	0.660	0.200	0.568	0.028	1.16	0.36	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: FL								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.195	0.055	0.177	0.003	1.10	0.31	A
1	CE144	58.800	0.300	91.200	0.912	0.65	0.01	W
1	CO 57	8.570	0.110	12.700	0.127	0.68	0.01	W
1	CO 60	2.830	0.080	3.760	0.376	0.75	0.08	W
1	CS134	4.330	0.040	5.750	0.575	0.75	0.08	A
1	CS137	4.480	0.100	5.280	0.528	0.85	0.09	A
1	GA	3.820	0.130	3.220	0.240	1.19	0.10	A
1	GB	2.510	0.050	1.850	0.139	1.36	0.11	W
1	MN 54	3.910	0.070	4.710	0.470	0.83	0.08	W
1	PU238	0.113	0.003	0.122	0.004	0.93	0.04	A
1	PU239	0.062	0.002	0.062	0.002	1.00	0.05	A
1	SB125	8.400	0.100	9.420	0.942	0.89	0.09	A
Matrix: SO								
1	AM241	2.500	0.400	3.200	0.754	0.78	0.22	A
1	CS137	269.000	10.000	266.000	3.560	1.01	0.04	A
1	K 40	371.000	17.000	384.000	27.800	0.97	0.08	A
1	PU238	33.500	1.250	32.000	0.567	1.05	0.04	A
1	PU239	6.440	0.410	6.760	0.440	0.95	0.09	A
1	U BQ	73.200	25.900	63.400	3.200	1.16	0.41	W
Matrix: VE								
1	AM241	1.260	0.355	0.702	0.048	1.80	0.52	W
1	CO 60	8.200	0.140	9.600	1.700	0.85	0.15	A
1	CS137	134.000	2.000	117.000	3.270	1.15	0.04	A
1	K 40	1090.000	15.000	1030.000	8.160	1.06	0.02	A
Matrix: WA								
1	AM241	1.700	0.040	1.330	0.073	1.28	0.08	W
1	CO 60	200.000	1.000	196.000	3.490	1.02	0.02	A
1	CS134	87.200	0.300	83.500	1.800	1.04	0.02	A
1	CS137	83.200	0.500	76.800	2.280	1.08	0.03	A
1	GA	1770.000	60.000	1340.000	40.000	1.32	0.06	W
1	GB	858.000	26.300	653.000	19.300	1.31	0.06	W
1	H 3	52.000	1.650	60.300	2.310	0.86	0.04	A
1	MN 54	46.000	0.700	43.500	2.060	1.06	0.05	A
1	PU239	0.653	0.011	0.591	0.047	1.11	0.09	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: FM								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.190	0.050	0.177	0.003	1.07	0.28	A
1	CE144	66.900	1.080	91.200	0.912	0.73	0.01	W
1	CO 57	9.260	0.150	12.700	0.127	0.73	0.01	W
1	CO 60	3.170	0.080	3.760	0.376	0.84	0.09	A
1	CS134	4.770	0.080	5.750	0.575	0.83	0.08	A
1	CS137	4.640	0.120	5.280	0.528	0.88	0.09	A
1	MN 54	4.150	0.130	4.710	0.470	0.88	0.09	A
1	SB125	8.280	0.150	9.420	0.942	0.88	0.09	A
Matrix: WA								
1	CO 60	206.000	2.300	196.000	3.490	1.05	0.02	A
1	CS134	88.000	0.980	83.500	1.800	1.05	0.03	A
1	CS137	84.000	1.420	76.800	2.280	1.09	0.04	A
1	MN 54	46.000	0.980	43.500	2.060	1.06	0.05	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: FN								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	CE144	72.800	7.400	91.200	0.912	0.80	0.08	A
1	CO 57	10.000	0.600	12.700	0.127	0.79	0.05	A
1	CO 60	3.280	0.220	3.760	0.376	0.87	0.11	A
1	CS134	4.850	0.620	5.750	0.575	0.84	0.14	A
1	CS137	4.250	0.370	5.280	0.528	0.81	0.11	W
1	MN 54	4.270	0.380	4.710	0.470	0.91	0.12	A
1	SB125	9.630	0.560	9.420	0.942	1.02	0.12	A
Matrix: SO								
1	CS137	291.000	29.000	266.000	3.560	1.09	0.11	A
1	K 40	418.000	45.000	384.000	27.800	1.09	0.14	A
1	U 235	5.300	0.810	1.590	0.075	3.33	0.53	N
1	U 238	26.500	1.700	31.600	1.270	0.84	0.06	A
Matrix: VE								
1	CO 60	11.400	1.400	9.600	1.700	1.19	0.26	A
1	CS137	121.000	12.000	117.000	3.270	1.03	0.11	A
1	K 40	1150.000	120.000	1030.000	8.160	1.12	0.12	A
Matrix: WA								
1	CO 60	198.000	14.000	196.000	3.490	1.01	0.07	A
1	CS134	86.900	6.200	83.500	1.800	1.04	0.08	A
1	CS137	80.000	8.100	76.800	2.280	1.04	0.11	A
1	H 3	52.800	11.100	60.300	2.310	0.88	0.19	A
1	MN 54	44.400	4.600	43.500	2.060	1.02	0.12	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: FS								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: SO								
1	CS137	270.000	2.000	266.000	3.560	1.02	0.02	A
1	K 40	395.000	7.400	384.000	27.800	1.03	0.08	A
1	PU238	30.400	0.400	32.000	0.567	0.95	0.02	A
2	PU238	30.200	1.000	32.000	0.567	0.94	0.04	A
3	PU238	31.400	1.500	32.000	0.567	0.98	0.05	A
1	PU239	6.780	0.080	6.760	0.440	1.00	0.07	A
2	PU239	6.200	0.190	6.760	0.440	0.92	0.07	A
3	PU239	6.690	0.140	6.760	0.440	0.99	0.07	A
1	U 234	31.100	1.400	30.300	1.790	1.03	0.08	A
2	U 234	31.900	1.700	30.300	1.790	1.05	0.08	A
3	U 234	32.000	1.600	30.300	1.790	1.06	0.08	A
1	U 238	30.600	0.700	31.600	1.270	0.97	0.04	A
2	U 238	30.200	1.100	31.600	1.270	0.96	0.05	A
3	U 238	31.600	1.000	31.600	1.270	1.00	0.05	A
1	U BQ	63.100	3.100	63.400	3.200	1.00	0.07	A
2	U BQ	63.500	3.200	63.400	3.200	1.00	0.07	A
3	U BQ	65.100	1.900	63.400	3.200	1.03	0.06	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: GA								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.210	0.000	0.177	0.003	1.19	0.02	A
1	CE144	64.700	0.000	91.200	0.912	0.71	0.01	W
1	CO 57	9.270	0.000	12.700	0.127	0.73	0.01	W
1	CO 60	2.890	0.000	3.760	0.376	0.77	0.08	W
1	CS134	5.360	0.000	5.750	0.575	0.93	0.09	A
1	CS137	4.660	0.000	5.280	0.528	0.88	0.09	A
1	GA	3.120	0.190	3.220	0.240	0.97	0.09	A
1	GB	2.390	0.150	1.850	0.139	1.29	0.13	W
1	MN 54	3.730	0.000	4.710	0.470	0.79	0.08	W
1	PU238	0.110	0.000	0.122	0.004	0.90	0.03	A
1	PU239	0.059	0.000	0.062	0.002	0.95	0.03	A
1	SB125	8.310	0.000	9.420	0.942	0.88	0.09	A
1	U BQ	0.098	0.000	0.091	0.005	1.08	0.06	A
Matrix: SO								
1	AM241	2.220	0.000	3.200	0.754	0.69	0.16	W
1	CS137	281.000	0.000	266.000	3.560	1.06	0.01	A
1	K 40	448.000	0.000	384.000	27.800	1.17	0.08	A
1	PU238	32.700	0.000	32.000	0.567	1.02	0.02	A
1	PU239	7.280	0.000	6.760	0.440	1.08	0.07	A
1	U BQ	62.700	0.000	63.400	3.200	0.99	0.05	A
Matrix: VE								
1	AM241	0.620	0.000	0.702	0.048	0.88	0.06	A
1	CO 60	7.640	0.000	9.600	1.700	0.80	0.14	W
1	CS137	140.000	0.000	117.000	3.270	1.20	0.03	A
1	K 40	1230.000	0.000	1030.000	8.160	1.19	0.01	A
1	PU238	0.000	0.000	0.089	0.019	0.00	0.18	N
1	PU239	1.120	0.000	1.120	0.159	1.00	0.14	A
Matrix: WA								
1	AM241	1.590	0.000	1.330	0.073	1.20	0.07	W
1	CO 60	212.000	0.000	196.000	3.490	1.08	0.02	A
1	CS134	82.600	0.000	83.500	1.800	0.99	0.02	A
1	CS137	84.500	0.000	76.800	2.280	1.10	0.03	A
1	GA	1400.000	0.000	1340.000	40.000	1.04	0.03	A
1	GB	1080.000	0.000	653.000	19.300	1.65	0.05	N
1	MN 54	47.100	0.000	43.500	2.060	1.08	0.05	A
1	PU239	0.670	0.000	0.591	0.047	1.13	0.09	A
1	U BQ	0.620	0.000	0.568	0.028	1.09	0.05	A
2	U BQ	0.000	0.000	0.568	0.028	0.00	0.05	N

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: GE

Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.440	0.040	0.177	0.003	2.49	0.23	N
1	CE144	61.800	10.100	91.200	0.912	0.68	0.11	W
1	CO 57	8.920	0.870	12.700	0.127	0.70	0.07	W
1	CO 60	2.860	0.380	3.760	0.376	0.76	0.13	W
1	CS134	4.650	0.590	5.750	0.575	0.81	0.13	A
1	CS137	4.220	0.560	5.280	0.528	0.80	0.13	W
1	GA	6.130	0.076	3.220	0.240	1.90	0.14	N
1	GB	2.440	0.037	1.850	0.139	1.32	0.10	W
1	MN 54	3.840	0.520	4.710	0.470	0.82	0.14	W
1	PU238	0.140	0.020	0.122	0.004	1.15	0.17	W
1	PU239	0.070	0.010	0.062	0.002	1.12	0.16	A
1	SB125	6.360	0.860	9.420	0.942	0.68	0.11	W
1	SR 90	0.640	0.030	0.739	0.054	0.87	0.07	A
1	U 234	0.130	0.020	0.059	0.002	2.20	0.34	N
1	U 238	0.006	0.003	0.002	0.000	3.00	1.53	N
1	U UG	0.800	0.010	0.538	0.021	1.49	0.06	W
Matrix: SO								
1	AM241	4.060	1.850	3.200	0.754	1.27	0.65	A
1	CS137	293.000	2.500	266.000	3.560	1.10	0.02	A
1	K 40	475.000	13.600	384.000	27.800	1.24	0.10	A
1	PU238	32.600	2.850	32.000	0.567	1.02	0.09	A
1	PU239	7.180	0.860	6.760	0.440	1.06	0.15	A
1	SR 90	18.100	0.990	11.300	1.500	1.60	0.23	W
1	U 234	27.500	5.600	30.300	1.790	0.91	0.19	A
1	U 238	26.600	5.460	31.600	1.270	0.84	0.18	A
1	U UG	2.290	0.027	2.500	0.130	0.92	0.05	A
Matrix: VE								
1	AM241	0.780	0.250	0.702	0.048	1.11	0.36	A
1	CO 60	10.300	1.790	9.600	1.700	1.07	0.27	A
1	CS137	138.000	2.870	117.000	3.270	1.18	0.04	A
1	K 40	1320.000	36.000	1030.000	8.160	1.28	0.04	W
1	PU238	0.230	0.090	0.089	0.019	2.59	1.16	N
1	PU239	1.110	0.237	1.120	0.159	0.99	0.25	A
1	SR 90	474.000	5.600	512.000	52.500	0.93	0.10	A
Matrix: WA								
1	AM241	0.800	0.090	1.330	0.073	0.60	0.08	W
1	CO 60	203.000	3.420	196.000	3.490	1.04	0.03	A
1	CS134	87.300	2.140	83.500	1.800	1.05	0.03	A
1	CS137	87.100	2.340	76.800	2.280	1.13	0.05	A
1	FE 55	149.000	15.500	119.000	5.820	1.25	0.14	W
1	GA	1750.000	88.100	1340.000	40.000	1.31	0.08	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: GE								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
1	GB	898.000	47.700	653.000	19.300	1.38	0.08	W
1	H 3	44.000	22.900	60.300	2.310	0.73	0.38	W
1	MN 54	48.200	1.930	43.500	2.060	1.11	0.07	A
1	PU239	0.760	0.090	0.591	0.047	1.29	0.18	W
1	SR 90	2.030	0.170	2.400	0.225	0.85	0.11	A
1	U 234	0.300	0.050	0.373	0.013	0.80	0.14	W
1	U UG	0.005	0.000	0.003	0.000	1.73	0.09	N

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: GS								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: WA								
1	GA	1810.000	79.000	1340.000	40.000	1.35	0.07	W
1	GB	997.000	28.000	653.000	19.300	1.53	0.06	N
1	U BQ	0.057	0.001	0.568	0.028	0.10	0.01	N
1	U UG	0.002	0.000	0.003	0.000	0.89	0.05	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: HA								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: SO								
1	AM241	5.600	0.600	3.200	0.754	1.75	0.45	W
1	CS137	300.000	30.000	266.000	3.560	1.13	0.11	A
1	K 40	2220.000	518.000	384.000	27.800	5.78	1.41	N
1	PU238	30.000	3.000	32.000	0.567	0.94	0.10	A
1	PU239	5.920	0.600	6.760	0.440	0.88	0.11	A
1	SR 90	12.600	2.000	11.300	1.500	1.12	0.23	A
1	U 234	27.000	3.000	30.300	1.790	0.89	0.11	A
1	U 238	30.700	4.000	31.600	1.270	0.97	0.13	A
Matrix: WA								
1	AM241	1.170	0.200	1.330	0.073	0.88	0.16	A
1	CO 60	220.000	30.000	196.000	3.490	1.12	0.15	W
1	CS134	91.000	10.000	83.500	1.800	1.09	0.12	A
1	CS137	89.900	9.000	76.800	2.280	1.17	0.12	W
1	FE 55	40.600	4.000	119.000	5.820	0.34	0.04	N
1	GA	1300.000	200.000	1340.000	40.000	0.97	0.15	A
1	GB	777.000	80.000	653.000	19.300	1.19	0.13	A
1	H 3	47.800	15.000	60.300	2.310	0.79	0.25	W
1	MN 54	43.700	5.000	43.500	2.060	1.01	0.12	A
1	PU239	1.130	0.200	0.591	0.047	1.91	0.37	N
2	PU239	0.710	0.080	0.591	0.047	1.20	0.17	W
1	SR 90	1.840	0.200	2.400	0.225	0.77	0.11	W
1	U 234	0.360	0.060	0.373	0.013	0.97	0.16	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: HC								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	GA	4.800	0.300	3.220	0.240	1.49	0.15	W
1	GB	2.600	0.200	1.850	0.139	1.41	0.15	W
Matrix: WA								
1	GA	1360.000	136.000	1340.000	40.000	1.02	0.11	A
1	GB	844.000	84.000	653.000	19.300	1.29	0.13	W
1	H 3	50.100	5.000	60.300	2.310	0.83	0.09	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: HI								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	CE144	74.900	0.800	91.200	0.912	0.82	0.01	A
1	CO 57	12.200	0.160	12.700	0.127	0.96	0.02	A
1	CO 60	2.640	0.150	3.760	0.376	0.70	0.08	N
1	CS134	5.030	0.150	5.750	0.575	0.88	0.09	A
1	CS137	4.340	0.160	5.280	0.528	0.82	0.09	W
1	GA	3.260	0.100	3.220	0.240	1.01	0.08	A
1	GB	1.720	0.320	1.850	0.139	0.93	0.19	A
1	MN 54	3.590	0.160	4.710	0.470	0.76	0.08	W
1	SB125	5.010	0.860	9.420	0.942	0.53	0.11	W
Matrix: SO								
1	CS137	274.000	19.000	266.000	3.560	1.03	0.07	A
1	K 40	356.000	30.000	384.000	27.800	0.93	0.10	A
Matrix: VE								
1	CS137	132.000	2.000	117.000	3.270	1.13	0.04	A
1	K 40	1320.000	13.000	1030.000	8.160	1.28	0.02	W
Matrix: WA								
1	AM241	1.800	1.600	1.330	0.073	1.35	1.21	W
1	CO 60	201.000	10.400	196.000	3.490	1.03	0.06	A
1	CS134	82.100	4.600	83.500	1.800	0.98	0.06	A
1	CS137	81.200	4.700	76.800	2.280	1.06	0.07	A
1	GA	612.000	50.000	1340.000	40.000	0.46	0.04	N
1	GB	698.000	40.000	653.000	19.300	1.07	0.07	A
1	H 3	185.000	6.000	60.300	2.310	3.07	0.15	N
1	MN 54	45.400	0.260	43.500	2.060	1.04	0.05	A
1	PU239	0.633	0.100	0.591	0.047	1.07	0.19	A
1	SR 90	2.960	0.300	2.400	0.225	1.23	0.17	W
1	U BQ	0.526	0.170	0.568	0.028	0.93	0.30	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable .

Results by Laboratory

Labcode: HL

Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: SO								
1	AM241	2.850	1.060	3.200	0.754	0.89	0.39	A
1	CS137	248.000	31.000	266.000	3.560	0.93	0.12	A
1	K 40	417.000	57.000	384.000	27.800	1.09	0.17	A
1	SR 90	15.200	2.200	11.300	1.500	1.35	0.26	A
1	U 234	16.800	6.400	30.300	1.790	0.55	0.21	W
1	U 235	5.100	3.500	1.590	0.075	3.21	2.21	N
1	U 238	15.900	6.200	31.600	1.270	0.50	0.20	W
1	U BQ	37.800	6.400	63.400	3.200	0.60	0.11	A
Matrix: WA								
1	AM241	3.400	1.100	1.330	0.073	2.56	0.84	N
1	CO 60	181.000	15.600	196.000	3.490	0.92	0.08	A
1	CS134	87.300	6.000	83.500	1.800	1.05	0.08	A
1	CS137	90.600	11.000	76.800	2.280	1.18	0.15	W
1	H 3	48.200	4.600	60.300	2.310	0.80	0.08	W
1	MN 54	48.400	6.400	43.500	2.060	1.11	0.16	A
1	SR 90	3.500	0.300	2.400	0.225	1.46	0.19	N
1	U 234	0.310	0.110	0.373	0.013	0.83	0.30	W
1	U BQ	0.630	0.230	0.568	0.028	1.11	0.41	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: HR								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	CS134	0.000	0.200	5.750	0.575	0.00	0.08	N
1	CS137	6.500	0.200	5.280	0.528	1.23	0.13	W
1	SR 90	1.000	0.100	0.739	0.054	1.35	0.17	A
1	U UG	1.000	1.000	0.538	0.021	1.86	1.86	N
Matrix: SO								
1	CS137	263.000	30.000	266.000	3.560	0.99	0.11	A
1	SR 90	15.000	26.000	11.300	1.500	1.33	2.31	A
1	U UG	1.400	0.100	2.500	0.130	0.56	0.05	A
Matrix: VE								
1	CS137	94.000	10.000	117.000	3.270	0.80	0.09	W
1	SR 90	356.000	16.000	512.000	52.500	0.70	0.08	A
Matrix: WA								
1	CS134	0.000	2.000	83.500	1.800	0.00	0.08	N
1	CS137	148.000	2.000	76.800	2.280	1.93	0.06	N
1	SR 90	2.800	0.300	2.400	0.225	1.17	0.17	W
1	U UG	0.003	0.001	0.003	0.000	1.15	0.39	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: ID								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	CE144	94.000	6.000	91.200	0.912	1.03	0.07	A
1	CO 57	13.400	0.700	12.700	0.127	1.05	0.06	A
1	CO 60	3.700	0.200	3.760	0.376	0.98	0.11	A
1	CS134	6.400	0.300	5.750	0.575	1.11	0.12	W
1	CS137	6.100	0.300	5.280	0.528	1.16	0.13	A
1	GA	4.200	0.200	3.220	0.240	1.30	0.12	W
1	GB	1.800	0.100	1.850	0.139	0.97	0.09	A
1	MN 54	4.800	0.300	4.710	0.470	1.02	0.12	A
1	SB125	11.000	0.600	9.420	0.942	1.17	0.13	A
Matrix: SO								
1	CS137	307.000	15.000	266.000	3.560	1.15	0.06	A
1	K 40	432.000	27.000	384.000	27.800	1.13	0.11	A
1	PU238	31.000	3.000	32.000	0.567	0.97	0.10	A
1	PU239	7.200	0.500	6.760	0.440	1.07	0.10	A
1	SR 90	14.000	1.000	11.300	1.500	1.24	0.19	A
Matrix: VE								
1	CO 60	9.400	0.600	9.600	1.700	0.98	0.18	A
1	CS137	144.000	7.000	117.000	3.270	1.23	0.07	A
1	K 40	1170.000	72.000	1030.000	8.160	1.14	0.07	A
1	PU238	0.730	0.490	0.089	0.019	8.23	5.81	N
1	PU239	1.100	0.200	1.120	0.159	0.98	0.23	A
1	SR 90	549.000	101.000	512.000	52.500	1.07	0.23	A
Matrix: WA								
1	CO 60	218.000	11.000	196.000	3.490	1.11	0.06	W
1	CS134	96.000	5.000	83.500	1.800	1.15	0.06	A
1	CS137	91.000	5.000	76.800	2.280	1.18	0.07	W
1	H 3	78.000	7.000	60.300	2.310	1.29	0.13	W
1	MN 54	48.000	2.000	43.500	2.060	1.10	0.07	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: IE								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.181	0.055	0.177	0.003	1.02	0.31	A
1	CO 57	10.900	0.280	12.700	0.127	0.86	0.02	A
1	CO 60	3.620	0.300	3.760	0.376	0.96	0.13	A
1	CS134	4.870	0.210	5.750	0.575	0.85	0.09	A
1	CS137	4.350	0.240	5.280	0.528	0.82	0.09	W
1	GA	3.660	0.030	3.220	0.240	1.14	0.09	A
1	GB	1.690	0.020	1.850	0.139	0.91	0.07	A
1	MN 54	3.750	0.240	4.710	0.470	0.80	0.09	W
1	PU238	0.137	0.033	0.122	0.004	1.12	0.27	A
1	PU239	0.096	0.027	0.062	0.002	1.54	0.44	W
1	U 234	0.070	0.118	0.059	0.002	1.19	2.00	A
1	U 238	0.008	0.013	0.002	0.000	3.95	6.61	N
Matrix: SO								
1	AM241	3.110	0.690	3.200	0.754	0.97	0.32	A
1	CS137	298.000	3.220	266.000	3.560	1.12	0.02	A
1	K 40	425.000	17.900	384.000	27.800	1.11	0.09	A
1	PU238	29.700	3.440	32.000	0.567	0.93	0.11	A
1	PU239	6.730	0.860	6.760	0.440	1.00	0.14	A
1	U 234	25.600	0.820	30.300	1.790	0.85	0.06	A
1	U 238	24.500	0.780	31.600	1.270	0.78	0.04	A
Matrix: VE								
1	AM241	0.710	0.185	0.702	0.048	1.01	0.27	A
1	CO 60	7.720	1.560	9.600	1.700	0.80	0.22	W
1	CS137	124.000	2.930	117.000	3.270	1.06	0.04	A
1	K 40	1060.000	35.400	1030.000	8.160	1.03	0.04	A
1	PU239	1.240	0.219	1.120	0.159	1.11	0.25	A
Matrix: WA								
1	AM241	1.340	0.192	1.330	0.073	1.01	0.16	A
1	CO 60	207.000	1.490	196.000	3.490	1.06	0.02	A
1	CS134	91.000	0.990	83.500	1.800	1.09	0.03	A
1	CS137	87.300	0.990	76.800	2.280	1.14	0.04	A
1	GA	1510.000	18.300	1340.000	40.000	1.13	0.04	A
1	GB	645.000	10.600	653.000	19.300	0.99	0.03	A
1	H 3	71.500	7.870	60.300	2.310	1.19	0.14	A
1	MN 54	47.600	0.980	43.500	2.060	1.09	0.06	A
1	PU239	0.702	0.101	0.591	0.047	1.19	0.20	W
1	U 234	0.425	0.070	0.373	0.013	1.14	0.19	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: IN								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	CE144	63.400	9.900	91.200	0.912	0.70	0.11	W
1	CO 57	9.090	0.670	12.700	0.127	0.72	0.05	W
1	CO 60	2.960	0.290	3.760	0.376	0.79	0.11	W
1	CS134	5.240	0.520	5.750	0.575	0.91	0.13	A
1	CS137	4.160	0.370	5.280	0.528	0.79	0.11	W
1	MN 54	3.740	0.340	4.710	0.470	0.79	0.11	W
1	SB125	8.640	0.920	9.420	0.942	0.92	0.13	A
Matrix: SO								
1	AM241	2.380	0.480	3.200	0.754	0.74	0.23	A
1	CS137	279.000	20.700	266.000	3.560	1.05	0.08	A
1	K 40	436.000	164.000	384.000	27.800	1.14	0.44	A
1	PU238	32.800	4.900	32.000	0.567	1.03	0.15	A
1	PU239	6.960	0.110	6.760	0.440	1.03	0.07	A
Matrix: VE								
1	CO 60	9.520	3.000	9.600	1.700	0.99	0.36	A
1	CS137	127.000	23.100	117.000	3.270	1.09	0.20	A
1	K 40	1240.000	293.000	1030.000	8.160	1.20	0.29	A
Matrix: WA								
1	AM241	1.550	0.290	1.330	0.073	1.17	0.23	A
1	CO 60	227.000	17.200	196.000	3.490	1.16	0.09	W
1	CS134	97.800	7.800	83.500	1.800	1.17	0.10	A
1	CS137	87.500	7.400	76.800	2.280	1.14	0.10	A
1	MN 54	51.200	4.700	43.500	2.060	1.18	0.12	W
1	PU239	0.660	0.110	0.591	0.047	1.12	0.21	A
1	SR 90	2.210	0.670	2.400	0.225	0.92	0.29	A
1	U 234	0.370	0.150	0.373	0.013	0.99	0.40	A
1	U 235	0.250	0.100	0.196	0.006	1.28	0.51	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: IR								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	GA	4.870	0.000	3.220	0.240	1.51	0.11	N
1	GB	1.640	0.000	1.850	0.139	0.89	0.07	A
1	U 238	1.400	0.070	0.002	0.000	700.00	78.30	N
Matrix: WA								
1	GA	1100.000	0.074	1340.000	40.000	0.82	0.02	A
1	GB	459.000	0.002	653.000	19.300	0.70	0.02	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: IS								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.119	0.012	0.177	0.003	0.67	0.07	W
1	CE144	61.600	3.080	91.200	0.912	0.68	0.03	W
1	CO 57	9.020	0.630	12.700	0.127	0.71	0.05	W
1	CO 60	3.010	0.210	3.760	0.376	0.80	0.10	W
1	CS134	5.190	0.250	5.750	0.575	0.90	0.10	A
1	CS137	4.400	0.220	5.280	0.528	0.83	0.09	W
1	GA	5.190	0.510	3.220	0.240	1.61	0.20	N
1	GB	1.770	0.170	1.850	0.139	0.96	0.12	A
1	MN 54	3.780	0.260	4.710	0.470	0.80	0.10	W
1	PU238	0.116	0.024	0.122	0.004	0.95	0.20	A
1	PU239	0.072	0.017	0.062	0.002	1.16	0.28	W
1	SB125	7.770	0.540	9.420	0.942	0.83	0.10	A
1	SR 90	0.363	0.037	0.739	0.054	0.49	0.06	N
1	U 234	0.101	0.054	0.059	0.002	1.71	0.92	W
1	U 238	0.020	0.005	0.002	0.000	9.85	2.78	N
1	U UG	0.696	0.073	0.538	0.021	1.29	0.15	W
Matrix: SO								
1	AM241	2.900	0.800	3.200	0.754	0.91	0.33	A
1	CS137	256.000	18.000	266.000	3.560	0.96	0.07	A
1	K 40	389.000	27.000	384.000	27.800	1.01	0.10	A
1	PU238	26.700	3.900	32.000	0.567	0.83	0.12	A
1	PU239	6.200	0.980	6.760	0.440	0.92	0.16	A
1	U 234	25.300	4.100	30.300	1.790	0.84	0.14	A
1	U 238	24.100	4.000	31.600	1.270	0.76	0.13	A
1	U UG	2.120	0.220	2.500	0.130	0.85	0.10	A
Matrix: VE								
1	CO 60	9.560	0.670	9.600	1.700	1.00	0.19	A
1	CS137	114.000	8.000	117.000	3.270	0.97	0.07	A
1	K 40	1050.000	52.000	1030.000	8.160	1.02	0.05	A
1	PU238	0.086	0.060	0.089	0.019	0.96	0.71	A
1	PU239	1.120	0.200	1.120	0.159	1.00	0.23	A
1	SR 90	540.000	21.000	512.000	52.500	1.05	0.12	A
Matrix: WA								
1	AM241	1.410	0.540	1.330	0.073	1.06	0.41	A
1	CO 60	219.000	11.000	196.000	3.490	1.12	0.06	W
1	CS134	92.100	4.600	83.500	1.800	1.10	0.06	A
1	CS137	89.400	4.500	76.800	2.280	1.16	0.07	W
1	GA	1840.000	184.000	1340.000	40.000	1.37	0.14	W
1	GB	694.000	69.000	653.000	19.300	1.06	0.11	A
1	H 3	93.700	11.300	60.300	2.310	1.55	0.20	W
1	MN 54	50.100	2.500	43.500	2.060	1.15	0.08	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: IS								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
1	PU239	0.635	0.122	0.591	0.047	1.07	0.22	A
1	SR 90	1.590	0.170	2.400	0.225	0.66	0.09	W
1	U 234	0.512	0.103	0.373	0.013	1.37	0.28	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: IT								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.157	0.010	0.177	0.003	0.89	0.06	A
1	CE144	59.500	1.440	91.200	0.912	0.65	0.02	W
1	CO 57	8.480	0.210	12.700	0.127	0.67	0.02	W
1	CO 60	2.830	0.170	3.760	0.376	0.75	0.09	W
1	CS134	4.530	0.021	5.750	0.575	0.79	0.08	A
1	CS137	4.160	0.190	5.280	0.528	0.79	0.09	W
1	GA	4.110	0.210	3.220	0.240	1.28	0.12	W
1	GB	1.640	0.080	1.850	0.139	0.89	0.08	A
1	MN 54	3.830	0.180	4.710	0.470	0.81	0.09	W
1	PU238	0.127	0.008	0.122	0.004	1.04	0.07	A
1	PU239	0.054	0.004	0.062	0.002	0.87	0.07	A
1	SB125	8.430	0.250	9.420	0.942	0.90	0.09	A
1	SR 90	0.384	0.047	0.739	0.054	0.52	0.07	N
Matrix: SO								
1	AM241	2.530	0.220	3.200	0.754	0.79	0.20	A
1	CS137	312.000	3.250	266.000	3.560	1.17	0.02	A
1	K 40	404.000	10.900	384.000	27.800	1.05	0.08	A
1	PU238	32.200	0.955	32.000	0.567	1.01	0.03	A
1	PU239	7.270	0.530	6.760	0.440	1.08	0.11	A
1	SR 90	11.700	0.490	11.300	1.500	1.04	0.14	A
Matrix: VE								
1	AM241	0.510	0.014	0.702	0.048	0.73	0.05	W
1	CO 60	9.390	0.420	9.600	1.700	0.98	0.18	A
1	CS137	132.000	4.000	117.000	3.270	1.13	0.05	A
1	K 40	1120.000	19.000	1030.000	8.160	1.09	0.02	A
1	PU238	0.100	0.011	0.089	0.019	1.13	0.28	A
1	PU239	1.090	0.110	1.120	0.159	0.97	0.17	A
1	SR 90	522.000	48.000	512.000	52.500	1.02	0.14	A
Matrix: WA								
1	AM241	0.957	0.138	1.330	0.073	0.72	0.11	W
1	CO 60	228.000	3.700	196.000	3.490	1.16	0.03	W
1	CS134	96.200	2.340	83.500	1.800	1.15	0.04	A
1	CS137	94.000	1.110	76.800	2.280	1.22	0.04	W
1	GA	1300.000	91.400	1340.000	40.000	0.97	0.07	A
1	GB	723.000	36.000	653.000	19.300	1.11	0.06	A
1	H 3	53.400	0.480	60.300	2.310	0.89	0.03	A
1	MN 54	53.300	1.320	43.500	2.060	1.23	0.07	W
1	PU239	0.660	0.075	0.591	0.047	1.12	0.16	A
1	SR 90	3.090	0.202	2.400	0.225	1.29	0.15	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: KA								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	GA	4.410	0.110	3.220	0.240	1.37	0.11	W
1	GB	2.460	0.060	1.850	0.139	1.33	0.11	W
Matrix: SO								
1	CS137	311.000	21.000	266.000	3.560	1.17	0.08	A
1	K 40	418.000	43.000	384.000	27.800	1.09	0.14	A
1	PU238	29.400	3.660	32.000	0.567	0.92	0.12	A
1	PU239	7.600	0.760	6.760	0.440	1.12	0.13	A
1	SR 90	13.300	0.600	11.300	1.500	1.18	0.17	A
Matrix: WA								
1	CO 60	208.000	3.000	196.000	3.490	1.06	0.02	A
1	CS134	86.700	3.000	83.500	1.800	1.04	0.04	A
1	CS137	83.300	3.000	76.800	2.280	1.09	0.05	A
1	FE 55	148.000	6.000	119.000	5.820	1.24	0.08	W
1	GA	1660.000	127.000	1340.000	40.000	1.24	0.10	W
1	GB	880.000	64.000	653.000	19.300	1.35	0.11	W
1	H 3	57.400	7.500	60.300	2.310	0.95	0.13	A
1	MN 54	47.300	2.000	43.500	2.060	1.09	0.07	A
1	PU239	0.670	0.004	0.591	0.047	1.13	0.09	A
1	SR 90	2.170	0.360	2.400	0.225	0.90	0.17	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: LA

Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.166	0.020	0.177	0.003	0.94	0.11	A
2	AM241	0.175	0.020	0.177	0.003	0.99	0.11	A
3	AM241	0.165	0.019	0.177	0.003	0.93	0.11	A
1	CE144	47.800	3.590	91.200	0.912	0.52	0.04	N
2	CE144	46.800	3.520	91.200	0.912	0.51	0.04	N
3	CE144	47.600	3.650	91.200	0.912	0.52	0.04	N
1	CO 57	8.970	0.660	12.700	0.127	0.71	0.05	W
2	CO 57	8.860	0.660	12.700	0.127	0.70	0.05	W
3	CO 57	8.910	0.670	12.700	0.127	0.70	0.05	W
1	CO 60	3.030	0.250	3.760	0.376	0.81	0.10	W
2	CO 60	3.000	0.250	3.760	0.376	0.80	0.10	W
3	CO 60	2.990	0.260	3.760	0.376	0.80	0.11	W
1	CS134	4.920	0.400	5.750	0.575	0.86	0.11	A
2	CS134	4.860	0.380	5.750	0.575	0.85	0.11	A
3	CS134	4.860	0.390	5.750	0.575	0.85	0.11	A
1	CS137	4.890	0.400	5.280	0.528	0.93	0.12	A
2	CS137	4.710	0.380	5.280	0.528	0.89	0.12	A
3	CS137	4.770	0.410	5.280	0.528	0.90	0.12	A
2	GA	3.700	0.740	3.220	0.240	1.15	0.25	A
3	GA	3.700	0.740	3.220	0.240	1.15	0.25	A
3	GA	3.700	0.740	3.220	0.240	1.15	0.25	A
2	GB	2.220	0.296	1.850	0.139	1.20	0.18	A
3	GB	2.180	0.296	1.850	0.139	1.18	0.18	A
3	GB	2.260	0.296	1.850	0.139	1.22	0.18	W
1	MN 54	4.240	0.350	4.710	0.470	0.90	0.12	A
2	MN 54	4.060	0.340	4.710	0.470	0.86	0.11	A
3	MN 54	4.200	0.360	4.710	0.470	0.89	0.12	A
1	PU238	0.129	0.015	0.122	0.004	1.06	0.13	A
2	PU238	0.116	0.014	0.122	0.004	0.95	0.12	A
3	PU238	0.104	0.013	0.122	0.004	0.85	0.11	A
1	PU239	0.073	0.009	0.062	0.002	1.17	0.15	W
2	PU239	0.078	0.010	0.062	0.002	1.25	0.17	W
3	PU239	0.074	0.010	0.062	0.002	1.19	0.17	W
1	SB125	9.020	0.750	9.420	0.942	0.96	0.13	A
2	SB125	8.980	0.750	9.420	0.942	0.95	0.12	A
3	SB125	8.770	0.770	9.420	0.942	0.93	0.12	A
1	SR 90	0.770	0.160	0.739	0.054	1.04	0.23	A
2	SR 90	0.900	0.140	0.739	0.054	1.22	0.21	A
3	SR 90	0.890	0.140	0.739	0.054	1.20	0.21	A
Matrix: SO								
1	AM241	3.100	0.200	3.200	0.754	0.97	0.24	A
2	AM241	3.100	0.200	3.200	0.754	0.97	0.24	A
3	AM241	2.600	0.200	3.200	0.754	0.81	0.20	A
1	CS137	223.000	20.000	266.000	3.560	0.84	0.08	A
2	CS137	223.000	20.000	266.000	3.560	0.84	0.08	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: LA								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
3	CS137	243.000	21.000	266.000	3.560	0.91	0.08	A
1	K 40	328.000	43.000	384.000	27.800	0.85	0.13	A
2	K 40	355.000	46.000	384.000	27.800	0.92	0.14	A
3	K 40	367.000	47.000	384.000	27.800	0.96	0.14	A
1	PU238	35.000	1.000	32.000	0.567	1.09	0.04	A
2	PU238	29.000	1.000	32.000	0.567	0.91	0.04	A
3	PU238	32.000	1.000	32.000	0.567	1.00	0.04	A
1	PU239	7.500	0.200	6.760	0.440	1.11	0.08	A
2	PU239	6.900	0.200	6.760	0.440	1.02	0.07	A
3	PU239	6.800	0.300	6.760	0.440	1.01	0.08	A
1	SR 90	14.800	7.400	11.300	1.500	1.31	0.68	A
2	SR 90	18.500	7.400	11.300	1.500	1.64	0.69	W
3	SR 90	44.400	7.400	11.300	1.500	3.93	0.84	N
Matrix: VE								
1	AM241	1.090	0.062	0.702	0.048	1.55	0.14	A
2	AM241	1.270	0.070	0.702	0.048	1.81	0.16	W
3	AM241	1.120	0.062	0.702	0.048	1.60	0.14	A
1	CO 60	1.110	1.110	9.600	1.700	0.12	0.12	N
2	CO 60	1.480	1.480	9.600	1.700	0.15	0.16	N
3	CO 60	2.220	2.220	9.600	1.700	0.23	0.24	N
1	CS137	148.000	15.000	117.000	3.270	1.27	0.13	A
2	CS137	153.000	15.000	117.000	3.270	1.31	0.13	W
3	CS137	155.000	16.000	117.000	3.270	1.33	0.14	W
1	K 40	1200.000	128.000	1030.000	8.160	1.17	0.13	A
2	K 40	1200.000	122.000	1030.000	8.160	1.17	0.12	A
3	K 40	1210.000	123.000	1030.000	8.160	1.17	0.12	A
1	PU238	0.070	0.015	0.089	0.019	0.79	0.24	W
2	PU238	0.100	0.019	0.089	0.019	1.13	0.33	A
3	PU238	0.093	0.015	0.089	0.019	1.05	0.29	A
1	PU239	1.080	0.067	1.120	0.159	0.96	0.15	A
2	PU239	1.060	0.063	1.120	0.159	0.95	0.15	A
3	PU239	1.530	0.081	1.120	0.159	1.37	0.21	A
1	SR 90	560.000	30.000	512.000	52.500	1.09	0.13	A
2	SR 90	460.000	30.000	512.000	52.500	0.90	0.11	A
3	SR 90	510.000	30.000	512.000	52.500	1.00	0.12	A
Matrix: WA								
1	AM241	0.112	0.016	1.330	0.073	0.08	0.01	N
2	AM241	0.118	0.018	1.330	0.073	0.09	0.01	N
3	AM241	0.125	0.018	1.330	0.073	0.09	0.01	N
1	CO 60	216.000	22.000	196.000	3.490	1.10	0.11	A
2	CO 60	216.000	22.000	196.000	3.490	1.10	0.11	A
3	CO 60	219.000	22.000	196.000	3.490	1.12	0.11	W
1	CS134	93.200	10.000	83.500	1.800	1.12	0.12	A
2	CS134	94.200	10.200	83.500	1.800	1.13	0.13	A
3	CS134	92.900	10.000	83.500	1.800	1.11	0.12	A
1	CS137	88.700	9.500	76.800	2.280	1.16	0.13	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: LA								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
2	CS137	87.500	9.400	76.800	2.280	1.14	0.13	A
3	CS137	88.900	9.600	76.800	2.280	1.16	0.13	W
2	GA	1700.000	333.000	1340.000	40.000	1.27	0.25	W
3	GA	1630.000	333.000	1340.000	40.000	1.22	0.25	W
3	GA	1670.000	333.000	1340.000	40.000	1.25	0.25	W
2	GB	851.000	74.000	653.000	19.300	1.30	0.12	W
3	GB	851.000	74.000	653.000	19.300	1.30	0.12	W
3	GB	851.000	74.000	653.000	19.300	1.30	0.12	W
1	H 3	69.200	14.800	60.300	2.310	1.15	0.25	A
2	H 3	66.200	14.800	60.300	2.310	1.10	0.25	A
3	H 3	68.800	14.800	60.300	2.310	1.14	0.25	A
1	MN 54	49.500	5.800	43.500	2.060	1.14	0.14	A
2	MN 54	49.100	5.800	43.500	2.060	1.13	0.14	A
3	MN 54	49.600	5.800	43.500	2.060	1.14	0.14	A
1	PU239	0.700	0.280	0.591	0.047	1.18	0.48	W
2	PU239	0.620	0.250	0.591	0.047	1.05	0.43	A
3	PU239	0.690	0.280	0.591	0.047	1.17	0.48	W
1	SR 90	2.090	0.330	2.400	0.225	0.87	0.16	A
2	SR 90	2.360	0.360	2.400	0.225	0.98	0.18	A
3	SR 90	2.650	0.380	2.400	0.225	1.10	0.19	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: LB								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	CE144	45.000	6.000	91.200	0.912	0.49	0.07	N
1	CO 57	6.400	1.000	12.700	0.127	0.50	0.08	N
1	CO 60	3.000	1.500	3.760	0.376	0.80	0.41	W
1	CS134	5.600	2.100	5.750	0.575	0.97	0.38	A
1	CS137	4.400	1.600	5.280	0.528	0.83	0.31	W
1	GA	3.900	0.500	3.220	0.240	1.21	0.18	W
1	GB	2.200	0.400	1.850	0.139	1.19	0.23	A
1	MN 54	3.700	1.500	4.710	0.470	0.79	0.33	W
1	SB125	6.800	1.700	9.420	0.942	0.72	0.19	W
Matrix: SO								
1	CS137	226.000	10.000	266.000	3.560	0.85	0.04	A
1	K 40	569.000	42.000	384.000	27.800	1.48	0.15	W
Matrix: VE								
1	CO 60	6.800	1.400	9.600	1.700	0.71	0.19	W
1	CS137	116.000	11.000	117.000	3.270	0.99	0.10	A
1	K 40	1070.000	139.000	1030.000	8.160	1.04	0.14	A
Matrix: WA								
1	AM241	1.800	0.000	1.330	0.073	1.35	0.07	W
1	CO 60	227.000	14.000	196.000	3.490	1.16	0.07	W
1	CS134	103.000	51.000	83.500	1.800	1.23	0.61	W
1	CS137	90.000	43.000	76.800	2.280	1.17	0.56	W
1	GA	1730.000	207.000	1340.000	40.000	1.29	0.16	W
1	GB	652.000	24.000	653.000	19.300	1.00	0.05	A
1	H 3	146.000	29.000	60.300	2.310	2.42	0.49	N
1	MN 54	47.000	25.000	43.500	2.060	1.08	0.58	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: LH

Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.165	0.020	0.177	0.003	0.93	0.11	A
1	CE144	61.400	11.000	91.200	0.912	0.67	0.12	W
1	CO 57	9.010	1.880	12.700	0.127	0.71	0.15	W
1	CO 60	2.820	0.620	3.760	0.376	0.75	0.18	W
1	CS134	4.270	0.800	5.750	0.575	0.74	0.16	W
1	CS137	4.510	1.130	5.280	0.528	0.85	0.23	A
1	GA	5.410	0.290	3.220	0.240	1.68	0.15	N
1	GB	2.020	0.110	1.850	0.139	1.09	0.10	A
1	MN 54	4.410	1.770	4.710	0.470	0.94	0.39	A
1	PU238	0.153	0.022	0.122	0.004	1.25	0.19	W
1	PU239	0.088	0.016	0.062	0.002	1.41	0.26	W
1	SB125	7.940	1.720	9.420	0.942	0.84	0.20	A
1	SR 90	0.810	0.100	0.739	0.054	1.10	0.16	A
1	U 234	0.064	0.014	0.059	0.002	1.09	0.24	A
1	U 238	0.011	0.006	0.002	0.000	5.50	3.05	N
Matrix: SO								
1	AM241	1.990	0.860	3.200	0.754	0.62	0.31	W
1	CS137	338.000	51.000	266.000	3.560	1.27	0.19	W
1	K 40	472.000	112.000	384.000	27.800	1.23	0.31	A
1	PU238	31.900	3.200	32.000	0.567	1.00	0.10	A
1	PU239	7.610	1.240	6.760	0.440	1.13	0.20	A
1	SR 90	11.700	1.800	11.300	1.500	1.04	0.21	A
1	U 234	24.300	3.600	30.300	1.790	0.80	0.13	A
1	U 238	25.000	3.000	31.600	1.270	0.79	0.10	A
Matrix: VE								
1	AM241	0.548	0.111	0.702	0.048	0.78	0.17	A
1	CO 60	8.270	4.780	9.600	1.700	0.86	0.52	A
1	CS137	147.000	33.000	117.000	3.270	1.26	0.28	A
1	K 40	1210.000	298.000	1030.000	8.160	1.17	0.29	A
1	PU238	0.090	0.034	0.089	0.019	1.02	0.44	A
1	PU239	1.040	0.120	1.120	0.159	0.93	0.17	A
Matrix: WA								
1	AM241	1.340	0.230	1.330	0.073	1.01	0.18	A
1	CO 60	193.000	21.000	196.000	3.490	0.99	0.11	A
1	CS134	80.100	9.700	83.500	1.800	0.96	0.12	A
1	CS137	87.100	14.700	76.800	2.280	1.13	0.19	A
1	FE 55	108.000	16.000	119.000	5.820	0.91	0.14	A
1	GA	1080.000	101.000	1340.000	40.000	0.81	0.08	A
1	GB	601.000	54.000	653.000	19.300	0.92	0.09	A
1	H 3	48.000	9.300	60.300	2.310	0.80	0.16	W
1	MN 54	60.000	11.200	43.500	2.060	1.38	0.27	N

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: LH								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
1	PU239	1.240	0.230	0.591	0.047	2.10	0.42	N
1	SR 90	2.460	0.550	2.400	0.225	1.03	0.25	A
1	U 234	0.491	0.143	0.373	0.013	1.32	0.39	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: LL								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	CE144	67.900	1.800	91.200	0.912	0.75	0.02	W
1	CO 57	10.000	0.330	12.700	0.127	0.79	0.03	A
1	CO 60	3.340	0.100	3.760	0.376	0.89	0.09	A
1	CS134	5.810	0.130	5.750	0.575	1.01	0.10	A
1	CS137	4.920	0.180	5.280	0.528	0.93	0.10	A
1	MN 54	4.140	0.183	4.710	0.470	0.88	0.10	A
1	PU238	0.116	0.019	0.122	0.004	0.95	0.16	A
1	PU239	0.060	0.012	0.062	0.002	0.96	0.19	A
1	SB125	8.060	0.310	9.420	0.942	0.86	0.09	A
Matrix: SO								
1	CS137	300.000	6.400	266.000	3.560	1.13	0.03	A
1	K 40	387.000	26.000	384.000	27.800	1.01	0.10	A
1	PU238	31.600	2.240	32.000	0.567	0.99	0.07	A
1	PU239	6.660	0.610	6.760	0.440	0.99	0.11	A
Matrix: VE								
1	CO 60	7.880	1.820	9.600	1.700	0.82	0.24	W
1	CS137	131.000	4.000	117.000	3.270	1.12	0.05	A
1	K 40	1040.000	57.200	1030.000	8.160	1.01	0.06	A
1	PU238	0.089	0.046	0.089	0.019	1.00	0.56	A
1	PU239	1.030	0.152	1.120	0.159	0.92	0.19	A
Matrix: WA								
1	CO 60	200.000	5.250	196.000	3.490	1.02	0.03	A
1	CS134	92.000	3.420	83.500	1.800	1.10	0.05	A
1	CS137	83.500	4.170	76.800	2.280	1.09	0.06	A
1	H 3	56.700	3.170	60.300	2.310	0.94	0.06	A
1	MN 54	44.600	3.410	43.500	2.060	1.03	0.09	A
1	PU239	0.678	0.051	0.591	0.047	1.15	0.13	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: LM

Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	CE144	130.000	2.900	91.200	0.912	1.43	0.03	N
1	CO 57	18.000	0.450	12.700	0.127	1.42	0.04	W
1	CO 60	6.900	0.780	3.760	0.376	1.84	0.28	N
1	CS134	8.800	0.510	5.750	0.575	1.53	0.18	N
2	CS134	100.000	5.300	5.750	0.575	17.40	1.97	N
1	CS137	8.600	0.610	5.280	0.528	1.63	0.20	N
1	GA	4.100	0.400	3.220	0.240	1.27	0.16	W
1	GB	0.340	0.030	1.850	0.139	0.18	0.02	N
1	MN 54	7.600	0.670	4.710	0.470	1.61	0.22	N
1	SB125	14.000	1.300	9.420	0.942	1.49	0.20	W
Matrix: WA								
1	CO 60	250.000	8.400	196.000	3.490	1.28	0.05	N
1	CS137	96.000	5.600	76.800	2.280	1.25	0.08	W
1	H 3	78.000	8.000	60.300	2.310	1.29	0.14	W
1	MN 54	56.000	5.600	43.500	2.060	1.29	0.14	N

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: LW								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: SO								
1	CS137	299.000	12.000	266.000	3.560	1.12	0.05	A
1	K 40	402.000	56.000	384.000	27.800	1.05	0.16	A
Matrix: VE								
1	CO 60	7.350	1.810	9.600	1.700	0.77	0.23	W
1	CS137	126.000	6.000	117.000	3.270	1.08	0.06	A
1	K 40	995.000	60.000	1030.000	8.160	0.97	0.06	A
Matrix: WA								
1	CO 60	185.000	5.180	196.000	3.490	0.94	0.03	A
1	CS134	83.300	3.600	83.500	1.800	1.00	0.05	A
1	CS137	80.800	4.100	76.800	2.280	1.05	0.06	A
1	H 3	49.200	1.780	60.300	2.310	0.82	0.04	W
1	MN 54	44.900	3.280	43.500	2.060	1.03	0.09	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: MA								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: SO								
1	AM241	3.300	1.900	3.200	0.754	1.03	0.64	A
1	CS137	340.000	10.000	266.000	3.560	1.28	0.04	W
1	K 40	407.000	37.000	384.000	27.800	1.06	0.12	A
Matrix: VE								
1	CO 60	9.600	3.000	9.600	1.700	1.00	0.36	A
1	CS137	159.000	6.700	117.000	3.270	1.36	0.07	W
1	K 40	1110.000	74.000	1030.000	8.160	1.08	0.07	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: ME								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	1.110	0.100	0.177	0.003	6.27	0.58	N
1	CE144	76.500	6.660	91.200	0.912	0.84	0.07	A
1	CO 57	11.500	0.310	12.700	0.127	0.91	0.03	A
1	CO 60	3.250	0.090	3.760	0.376	0.86	0.09	A
1	CS134	4.660	0.100	5.750	0.575	0.81	0.08	A
1	CS137	4.920	0.160	5.280	0.528	0.93	0.10	A
1	GA	131.000	2.000	3.220	0.240	40.70	3.10	N
1	GB	66.000	1.200	1.850	0.139	35.70	2.76	N
1	MN 54	6.920	0.140	4.710	0.470	1.47	0.15	N
1	PU239	0.200	0.030	0.062	0.002	3.21	0.49	N
1	SB125	8.070	0.100	9.420	0.942	0.86	0.09	A
Matrix: SO								
1	AM241	3.100	0.700	3.200	0.754	0.97	0.32	A
1	CS137	409.000	2.700	266.000	3.560	1.54	0.02	N
1	K 40	564.000	10.800	384.000	27.800	1.47	0.11	W
1	PU239	3.400	1.500	6.760	0.440	0.50	0.22	N
Matrix: VE								
1	CO 60	12.600	1.100	9.600	1.700	1.31	0.26	W
1	CS137	216.000	3.200	117.000	3.270	1.85	0.06	N
1	K 40	1770.000	38.000	1030.000	8.160	1.72	0.04	N
Matrix: WA								
1	CO 60	206.000	9.580	196.000	3.490	1.05	0.05	A
1	CS134	82.900	1.790	83.500	1.800	0.99	0.03	A
1	CS137	80.100	2.810	76.800	2.280	1.04	0.05	A
1	H 3	52.500	8.500	60.300	2.310	0.87	0.15	A
1	MN 54	44.600	2.000	43.500	2.060	1.03	0.07	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: MI								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	CO 57	8.020	0.265	12.700	0.127	0.63	0.02	N
1	CO 60	2.780	0.105	3.760	0.376	0.74	0.08	W
1	CS134	5.110	0.167	5.750	0.575	0.89	0.09	A
1	CS137	3.870	0.182	5.280	0.528	0.73	0.08	W
1	MN 54	3.500	0.192	4.710	0.470	0.74	0.08	W
Matrix: WA								
1	AM241	2.750	0.173	1.330	0.073	2.07	0.17	N
2	AM241	2.710	0.171	1.330	0.073	2.04	0.17	N
1	CO 60	224.000	7.330	196.000	3.490	1.14	0.04	W
2	CO 60	228.000	7.460	196.000	3.490	1.16	0.04	W
1	CS137	77.500	3.660	76.800	2.280	1.01	0.06	A
2	CS137	80.300	3.780	76.800	2.280	1.05	0.06	A
1	H 3	70.000	0.000	60.300	2.310	1.16	0.04	A
2	H 3	75.000	0.000	60.300	2.310	1.24	0.05	A
1	MN 54	45.900	2.240	43.500	2.060	1.05	0.07	A
2	MN 54	47.400	2.300	43.500	2.060	1.09	0.07	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: ML								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	GA	3.240	0.260	3.220	0.240	1.01	0.11	A
1	GB	1.160	0.080	1.850	0.139	0.63	0.06	W
1	PU238	0.125	0.006	0.122	0.004	1.03	0.06	A
1	PU239	0.067	0.005	0.062	0.002	1.08	0.08	A
1	U 234	0.068	0.004	0.059	0.002	1.15	0.07	A
1	U 235	0.041	0.001	0.030	0.009	1.34	0.40	W
Matrix: SO								
1	CS137	286.000	4.400	266.000	3.560	1.08	0.02	A
1	K 40	533.000	32.300	384.000	27.800	1.39	0.13	W
1	PU238	34.700	1.780	32.000	0.567	1.08	0.06	A
1	PU239	6.960	0.797	6.760	0.440	1.03	0.14	A
1	U 234	25.700	1.700	30.300	1.790	0.85	0.08	A
1	U 238	25.200	1.680	31.600	1.270	0.80	0.06	A
2	U 238	24.200	0.992	31.600	1.270	0.77	0.04	A
Matrix: VE								
1	CO 60	7.900	0.970	9.600	1.700	0.82	0.18	W
1	CS137	105.000	3.300	117.000	3.270	0.90	0.04	A
1	K 40	1010.000	55.300	1030.000	8.160	0.98	0.05	A
1	PU238	0.081	0.115	0.089	0.019	0.91	1.31	A
1	PU239	1.080	0.110	1.120	0.159	0.96	0.17	A
Matrix: WA								
1	GA	1480.000	84.900	1340.000	40.000	1.10	0.07	A
1	GB	784.000	70.500	653.000	19.300	1.20	0.11	A
1	H 3	44.800	5.460	60.300	2.310	0.74	0.09	W
1	PU239	0.713	0.051	0.591	0.047	1.21	0.13	W
1	U 234	0.350	0.017	0.373	0.013	0.94	0.06	A
1	U 235	0.228	0.014	0.196	0.006	1.16	0.08	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: NA								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.170	0.020	0.177	0.003	0.96	0.11	A
1	CE144	114.000	0.520	91.200	0.912	1.25	0.01	W
1	CO 57	16.000	0.070	12.700	0.127	1.26	0.01	W
1	CO 60	4.510	0.060	3.760	0.376	1.20	0.12	W
1	CS134	7.200	0.060	5.750	0.575	1.25	0.13	N
1	CS137	7.190	0.080	5.280	0.528	1.36	0.14	N
1	MN 54	6.310	0.080	4.710	0.470	1.34	0.14	W
1	PU238	0.110	0.010	0.122	0.004	0.90	0.09	A
1	PU239	0.070	0.010	0.062	0.002	1.12	0.16	A
1	SB125	14.000	0.170	9.420	0.942	1.49	0.15	W
1	SR 90	0.730	0.010	0.739	0.054	0.99	0.07	A
1	U 234	0.120	0.010	0.059	0.002	2.03	0.18	N
1	U 235	0.030	0.010	0.030	0.009	0.99	0.44	A
1	U 238	0.035	0.010	0.002	0.000	17.50	5.30	N
Matrix: SO								
1	AM241	4.600	1.800	3.200	0.754	1.44	0.66	A
1	CS137	304.000	1.800	266.000	3.560	1.14	0.02	A
1	K 40	434.000	9.400	384.000	27.800	1.13	0.09	A
1	PU238	32.700	2.900	32.000	0.567	1.02	0.09	A
1	PU239	6.200	1.100	6.760	0.440	0.92	0.17	A
1	SR 90	689.000	160.000	11.300	1.500	61.00	16.30	N
1	U 234	36.100	3.400	30.300	1.790	1.19	0.13	W
1	U 235	1.700	0.700	1.590	0.075	1.07	0.44	A
1	U 238	25.900	2.800	31.600	1.270	0.82	0.09	A
Matrix: VE								
1	AM241	2.300	1.100	0.702	0.048	3.28	1.58	N
1	CO 60	9.400	1.600	9.600	1.700	0.98	0.24	A
1	CS137	146.000	1.900	117.000	3.270	1.25	0.04	A
1	K 40	1270.000	24.000	1030.000	8.160	1.23	0.03	A
1	PU238	0.700	0.900	0.089	0.019	7.89	10.30	N
1	PU239	1.300	0.700	1.120	0.159	1.16	0.65	A
1	SR 90	69.200	6.200	512.000	52.500	0.14	0.02	N
Matrix: WA								
1	AM241	1.320	0.060	1.330	0.073	0.99	0.07	A
1	CO 60	211.000	1.200	196.000	3.490	1.08	0.02	A
1	CS134	91.100	0.700	83.500	1.800	1.09	0.03	A
1	CS137	86.100	1.000	76.800	2.280	1.12	0.04	A
1	H 3	48.700	4.040	60.300	2.310	0.81	0.07	W
1	MN 54	47.500	0.800	43.500	2.060	1.09	0.05	A
1	PU239	0.610	0.050	0.591	0.047	1.03	0.12	A
1	SR 90	2.050	0.270	2.400	0.225	0.85	0.14	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: NA								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
1	U 234	0.520	0.060	0.373	0.013	1.39	0.17	W
1	U 235	0.200	0.030	0.196	0.006	1.02	0.16	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: NC								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	CE144	85.000	1.700	91.200	0.912	0.93	0.02	A
1	CO 57	12.000	0.200	12.700	0.127	0.95	0.02	A
1	CO 60	3.560	0.160	3.760	0.376	0.95	0.10	A
1	CS134	4.840	0.220	5.750	0.575	0.84	0.09	A
1	CS137	4.830	0.190	5.280	0.528	0.92	0.10	A
1	MN 54	4.330	0.210	4.710	0.470	0.92	0.10	A
1	SB125	9.080	0.360	9.420	0.942	0.96	0.10	A
Matrix: SO								
1	CS137	256.000	3.800	266.000	3.560	0.96	0.02	A
Matrix: VE								
1	CO 60	8.220	0.540	9.600	1.700	0.86	0.16	A
1	CS137	120.000	2.100	117.000	3.270	1.03	0.03	A
1	K 40	1170.000	32.800	1030.000	8.160	1.14	0.03	A
Matrix: WA								
1	CO 60	203.000	4.100	196.000	3.490	1.04	0.03	A
1	CS134	90.200	3.400	83.500	1.800	1.08	0.05	A
1	CS137	79.900	2.400	76.800	2.280	1.04	0.04	A
1	MN 54	50.600	1.500	43.500	2.060	1.16	0.07	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: NJ								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	U 234	0.075	0.007	0.059	0.002	1.27	0.12	A
1	U 235	0.034	0.004	0.030	0.009	1.12	0.36	A
1	U 238	0.008	0.001	0.002	0.000	3.75	0.55	N
Matrix: SO								
1	AM241	3.500	0.600	3.200	0.754	1.09	0.32	A
1	CS137	300.000	10.000	266.000	3.560	1.13	0.04	A
1	K 40	380.000	10.000	384.000	27.800	0.99	0.08	A
1	U 234	29.900	2.200	30.300	1.790	0.99	0.09	A
1	U 238	29.800	2.200	31.600	1.270	0.94	0.08	A
Matrix: VE								
1	AM241	2.500	1.700	0.702	0.048	3.56	2.43	N
1	CO 60	8.400	1.000	9.600	1.700	0.88	0.19	A
1	CS137	129.000	6.000	117.000	3.270	1.10	0.06	A
1	K 40	1070.000	20.000	1030.000	8.160	1.04	0.02	A
Matrix: WA								
1	AM241	1.700	0.570	1.330	0.073	1.28	0.43	W
1	CO 60	213.000	14.000	196.000	3.490	1.09	0.07	A
2	CO 60	219.000	5.000	196.000	3.490	1.12	0.03	W
1	CS134	92.200	10.700	83.500	1.800	1.10	0.13	A
2	CS134	97.000	5.000	83.500	1.800	1.16	0.06	A
1	CS137	85.000	8.000	76.800	2.280	1.11	0.11	A
2	CS137	88.000	5.000	76.800	2.280	1.15	0.07	A
1	H 3	53.300	4.400	60.300	2.310	0.88	0.08	A
1	MN 54	47.000	5.000	43.500	2.060	1.08	0.13	A
2	MN 54	49.000	3.000	43.500	2.060	1.13	0.09	A
1	SR 90	2.490	0.180	2.400	0.225	1.04	0.12	A
1	U 234	0.407	0.026	0.373	0.013	1.09	0.08	A
1	U 235	0.198	0.014	0.196	0.006	1.01	0.08	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: NL								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	CE144	61.000	1.000	91.200	0.912	0.67	0.01	W
1	CO 57	8.500	0.400	12.700	0.127	0.67	0.03	W
1	CO 60	2.800	0.100	3.760	0.376	0.75	0.08	W
1	CS134	4.400	0.100	5.750	0.575	0.77	0.08	A
1	CS137	3.900	0.100	5.280	0.528	0.74	0.08	W
1	MN 54	3.700	0.100	4.710	0.470	0.79	0.08	W
1	PU238	0.120	0.010	0.122	0.004	0.98	0.09	A
1	PU239	0.064	0.005	0.062	0.002	1.03	0.09	A
1	SB125	2.200	0.400	9.420	0.942	0.23	0.05	N
Matrix: SO								
1	CS137	330.000	6.000	266.000	3.560	1.24	0.03	A
1	K 40	500.000	40.000	384.000	27.800	1.30	0.14	W
1	PU238	30.000	2.000	32.000	0.567	0.94	0.06	A
1	PU239	5.800	0.700	6.760	0.440	0.86	0.12	A
1	U 234	92.500	9.300	30.300	1.790	3.05	0.36	N
1	U 235	4.070	0.400	1.590	0.075	2.56	0.28	N
1	U 238	77.700	7.800	31.600	1.270	2.46	0.27	N
Matrix: WA								
1	CO 60	200.000	4.000	196.000	3.490	1.02	0.03	A
1	CS134	81.000	2.000	83.500	1.800	0.97	0.03	A
1	CS137	78.000	2.000	76.800	2.280	1.02	0.04	A
1	MN 54	48.000	2.000	43.500	2.060	1.10	0.07	A
1	PU239	0.690	0.040	0.591	0.047	1.17	0.12	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: NY								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: WA								
1	PU239	0.583	0.017	0.591	0.047	0.99	0.08	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable .

Results by Laboratory

Labcode: OB								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	GA	2.070	0.200	3.220	0.240	0.64	0.08	W
1	GB	1.650	0.200	1.850	0.139	0.89	0.13	A
Matrix: SO								
1	PU238	4.000	0.400	32.000	0.567	0.13	0.01	N
1	PU239	27.000	1.000	6.760	0.440	3.99	0.30	N
1	U 234	29.000	1.000	30.300	1.790	0.96	0.07	A
1	U 238	29.000	1.000	31.600	1.270	0.92	0.05	A
Matrix: WA								
1	GA	1320.000	130.000	1340.000	40.000	0.99	0.10	A
1	GB	574.000	50.000	653.000	19.300	0.88	0.08	A
1	PU239	1.400	0.100	0.591	0.047	2.37	0.25	N
1	U 234	0.680	0.100	0.373	0.013	1.82	0.28	N

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: OD								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	CE144	53.400	1.980	91.200	0.912	0.59	0.02	W
1	CO 57	8.650	0.310	12.700	0.127	0.68	0.03	W
1	CO 60	2.940	0.130	3.760	0.376	0.78	0.09	W
1	CS134	4.740	0.170	5.750	0.575	0.82	0.09	A
1	CS137	4.320	0.270	5.280	0.528	0.82	0.10	W
1	MN 54	3.760	0.280	4.710	0.470	0.80	0.10	W
1	SB125	7.640	0.310	9.420	0.942	0.81	0.09	A
Matrix: WA								
1	AM241	1.370	0.128	1.330	0.073	1.03	0.11	A
1	CO 60	209.000	1.970	196.000	3.490	1.07	0.02	A
1	CS134	82.300	1.780	83.500	1.800	0.99	0.03	A
1	CS137	84.300	2.870	76.800	2.280	1.10	0.05	A
1	H 3	68.500	12.400	60.300	2.310	1.14	0.21	A
1	MN 54	46.400	2.150	43.500	2.060	1.07	0.07	A
1	PU239	0.594	0.065	0.591	0.047	1.01	0.14	A
1	SR 90	1.980	0.360	2.400	0.225	0.83	0.17	W
1	U 234	0.355	0.038	0.373	0.013	0.95	0.11	A
1	U 235	0.165	0.019	0.196	0.006	0.84	0.10	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: OI								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	CE144	165.000	1.000	91.200	0.912	1.81	0.02	N
1	CO 60	6.200	0.100	3.760	0.376	1.65	0.17	N
1	CS134	10.900	0.100	5.750	0.575	1.90	0.19	N
1	CS137	10.100	0.200	5.280	0.528	1.91	0.20	N
1	MN 54	8.500	0.200	4.710	0.470	1.81	0.19	N
1	SR 90	1.230	0.070	0.739	0.054	1.66	0.15	W
1	U BQ	0.160	0.020	0.091	0.005	1.76	0.24	N
Matrix: SO								
1	CS137	162.000	1.000	266.000	3.560	0.61	0.01	N
1	K 40	207.000	7.000	384.000	27.800	0.54	0.04	N
1	U BQ	38.000	3.100	63.400	3.200	0.60	0.06	A
Matrix: VE								
1	CO 60	5.600	0.100	9.600	1.700	0.58	0.10	N
1	CS137	84.500	1.700	117.000	3.270	0.72	0.02	W
1	K 40	677.000	17.000	1030.000	8.160	0.66	0.02	W
1	SR 90	480.000	6.000	512.000	52.500	0.94	0.10	A
Matrix: WA								
1	CO 60	169.000	1.000	196.000	3.490	0.86	0.02	W
1	CS134	79.200	1.000	83.500	1.800	0.95	0.02	A
1	CS137	72.300	0.800	76.800	2.280	0.94	0.03	A
1	MN 54	39.400	1.000	43.500	2.060	0.91	0.05	W
1	U BQ	0.480	0.060	0.568	0.028	0.85	0.11	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: OL								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.210	0.040	0.177	0.003	1.19	0.23	A
1	CE144	62.600	6.500	91.200	0.912	0.69	0.07	W
1	CO 57	9.640	0.560	12.700	0.127	0.76	0.04	W
1	CO 60	3.110	0.170	3.760	0.376	0.83	0.09	A
1	CS134	4.380	0.300	5.750	0.575	0.76	0.09	A
1	CS137	4.600	0.220	5.280	0.528	0.87	0.10	A
1	MN 54	4.100	0.280	4.710	0.470	0.87	0.11	A
1	SB125	8.260	0.820	9.420	0.942	0.88	0.12	A
Matrix: SO								
1	CS137	304.000	7.800	266.000	3.560	1.14	0.03	A
1	K 40	449.000	23.000	384.000	27.800	1.17	0.10	A
Matrix: VE								
1	CO 60	8.570	0.500	9.600	1.700	0.89	0.17	A
1	CS137	142.000	3.390	117.000	3.270	1.21	0.04	A
1	K 40	1240.000	39.700	1030.000	8.160	1.20	0.04	A
Matrix: WA								
1	CO 60	214.000	2.200	196.000	3.490	1.09	0.02	A
1	CS134	87.700	1.900	83.500	1.800	1.05	0.03	A
1	CS137	87.800	1.800	76.800	2.280	1.14	0.04	A
1	MN 54	49.800	1.300	43.500	2.060	1.15	0.06	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: OR

Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.190	0.020	0.177	0.003	1.07	0.12	A
1	CE144	70.000	1.000	91.200	0.912	0.77	0.01	W
1	CO 57	10.000	1.000	12.700	0.127	0.79	0.08	A
1	CO 60	3.400	0.300	3.760	0.376	0.90	0.12	A
1	CS134	5.100	0.200	5.750	0.575	0.89	0.10	A
1	CS137	5.200	0.300	5.280	0.528	0.99	0.11	A
1	MN 54	4.300	0.300	4.710	0.470	0.91	0.11	A
1	PU238	0.130	0.010	0.122	0.004	1.07	0.09	A
1	PU239	0.065	0.009	0.062	0.002	1.04	0.15	A
1	SB125	10.300	0.800	9.420	0.942	1.09	0.14	A
1	SR 90	0.780	0.060	0.739	0.054	1.05	0.11	A
1	U BQ	0.100	0.020	0.091	0.005	1.10	0.23	A
Matrix: SO								
1	CS137	330.000	20.000	266.000	3.560	1.24	0.08	A
1	K 40	520.000	100.000	384.000	27.800	1.35	0.28	W
1	PU238	15.000	1.000	32.000	0.567	0.47	0.03	W
1	PU239	3.100	0.400	6.760	0.440	0.46	0.07	N
1	SR 90	10.000	2.000	11.300	1.500	0.89	0.21	A
1	U BQ	48.000	4.000	63.400	3.200	0.76	0.07	A
Matrix: VE								
1	AM241	0.710	0.210	0.702	0.048	1.01	0.31	A
1	CO 60	9.500	3.500	9.600	1.700	0.99	0.41	A
1	CS137	140.000	10.000	117.000	3.270	1.20	0.09	A
1	K 40	1300.000	100.000	1030.000	8.160	1.26	0.10	W
1	PU238	0.053	0.081	0.089	0.019	0.60	0.92	N
1	PU239	0.570	0.140	1.120	0.159	0.51	0.14	N
1	SR 90	380.000	20.000	512.000	52.500	0.74	0.09	A
Matrix: WA								
1	AM241	1.400	0.100	1.330	0.073	1.05	0.09	A
1	CO 60	200.000	10.000	196.000	3.490	1.02	0.05	A
1	CS134	83.000	2.000	83.500	1.800	0.99	0.03	A
1	CS137	81.000	3.000	76.800	2.280	1.05	0.05	A
1	H 3	54.000	11.000	60.300	2.310	0.90	0.19	A
1	MN 54	45.000	2.000	43.500	2.060	1.03	0.07	A
1	PU239	0.650	0.060	0.591	0.047	1.10	0.13	A
1	SR 90	2.000	0.200	2.400	0.225	0.83	0.11	W
1	U BQ	0.660	0.080	0.568	0.028	1.16	0.15	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: OS								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	CE144	88.400	4.150	91.200	0.912	0.97	0.05	A
1	CO 57	12.800	0.590	12.700	0.127	1.01	0.05	A
1	CO 60	2.930	0.080	3.760	0.376	0.78	0.08	W
1	CS134	4.810	0.110	5.750	0.575	0.84	0.09	A
1	CS137	4.700	0.260	5.280	0.528	0.89	0.10	A
1	MN 54	4.070	0.110	4.710	0.470	0.86	0.09	A
1	SB125	9.220	0.370	9.420	0.942	0.98	0.11	A
Matrix: SO								
1	CS137	253.000	6.000	266.000	3.560	0.95	0.03	A
1	K 40	332.000	6.000	384.000	27.800	0.87	0.06	A
Matrix: VE								
1	CO 60	6.900	0.310	9.600	1.700	0.72	0.13	W
1	CS137	108.000	0.570	117.000	3.270	0.92	0.03	A
1	K 40	855.000	10.000	1030.000	8.160	0.83	0.01	A
Matrix: WA								
1	CO 60	191.000	0.770	196.000	3.490	0.97	0.02	A
1	CS134	87.400	0.392	83.500	1.800	1.05	0.02	A
1	CS137	83.000	3.000	76.800	2.280	1.08	0.05	A
1	MN 54	46.400	0.370	43.500	2.060	1.07	0.05	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: OT								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.140	0.020	0.177	0.003	0.79	0.11	A
1	CE144	76.000	1.000	91.200	0.912	0.83	0.01	A
1	CO 57	10.000	1.000	12.700	0.127	0.79	0.08	A
1	CO 60	3.400	0.200	3.760	0.376	0.90	0.11	A
1	CS134	5.300	0.200	5.750	0.575	0.92	0.10	A
1	CS137	5.200	0.200	5.280	0.528	0.99	0.11	A
1	GA	3.300	0.100	3.220	0.240	1.03	0.08	A
1	GB	2.100	0.100	1.850	0.139	1.14	0.10	A
1	MN 54	4.500	0.300	4.710	0.470	0.96	0.12	A
1	PU238	0.120	0.020	0.122	0.004	0.98	0.17	A
1	PU239	0.070	0.013	0.062	0.002	1.12	0.21	A
1	SB125	9.700	0.900	9.420	0.942	1.03	0.14	A
1	SR 90	0.810	0.120	0.739	0.054	1.10	0.18	A
1	U BQ	0.130	0.040	0.091	0.005	1.43	0.45	W
Matrix: SO								
1	AM241	3.700	1.000	3.200	0.754	1.16	0.42	A
1	CS137	290.000	10.000	266.000	3.560	1.09	0.04	A
1	K 40	380.000	50.000	384.000	27.800	0.99	0.15	A
1	PU238	28.000	2.000	32.000	0.567	0.88	0.06	A
1	PU239	7.000	1.200	6.760	0.440	1.04	0.19	A
1	SR 90	7.400	4.200	11.300	1.500	0.66	0.38	W
Matrix: VE								
1	AM241	0.880	0.640	0.702	0.048	1.25	0.92	A
1	CO 60	9.400	3.700	9.600	1.700	0.98	0.42	A
1	CS137	140.000	10.000	117.000	3.270	1.20	0.09	A
1	K 40	1000.000	100.000	1030.000	8.160	0.97	0.10	A
1	PU239	1.300	1.000	1.120	0.159	1.16	0.91	A
1	SR 90	440.000	30.000	512.000	52.500	0.86	0.11	A
Matrix: WA								
1	AM241	1.200	0.200	1.330	0.073	0.90	0.16	A
1	CO 60	200.000	10.000	196.000	3.490	1.02	0.05	A
1	CS134	87.000	1.000	83.500	1.800	1.04	0.03	A
1	CS137	84.000	2.000	76.800	2.280	1.09	0.04	A
1	GA	1500.000	100.000	1340.000	40.000	1.12	0.08	A
1	GB	1000.000	100.000	653.000	19.300	1.53	0.16	N
1	MN 54	47.000	1.000	43.500	2.060	1.08	0.06	A
1	PU239	0.660	0.100	0.591	0.047	1.12	0.19	A
1	SR 90	2.500	0.900	2.400	0.225	1.04	0.39	A
1	U BQ	0.600	0.300	0.568	0.028	1.06	0.53	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: PA								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	GA	3.460	0.053	3.220	0.240	1.08	0.08	A
1	GB	2.470	0.045	1.850	0.139	1.34	0.10	W
1	PU239	0.100	0.010	0.062	0.002	1.61	0.17	N
1	U 234	0.080	0.010	0.059	0.002	1.36	0.17	W
1	U 238	0.020	0.010	0.002	0.000	10.00	5.10	N
Matrix: SO								
1	PU239	8.900	1.100	6.760	0.440	1.32	0.18	W
1	U 234	19.600	2.600	30.300	1.790	0.65	0.09	W
1	U 238	22.600	2.600	31.600	1.270	0.72	0.09	A
Matrix: VE								
1	PU239	1.100	0.370	1.120	0.159	0.98	0.36	A
Matrix: WA								
1	GA	1110.000	25.900	1340.000	40.000	0.83	0.03	A
2	GA	1470.000	18.000	1340.000	40.000	1.10	0.04	A
1	GB	740.000	17.000	653.000	19.300	1.13	0.04	A
2	GB	643.000	10.000	653.000	19.300	0.99	0.03	A
1	H 3	70.300	9.600	60.300	2.310	1.17	0.17	A
1	PU239	0.740	0.090	0.591	0.047	1.25	0.18	W
1	U 234	0.330	0.050	0.373	0.013	0.89	0.14	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: PB								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	PU239	0.110	0.050	0.062	0.002	1.77	0.80	N
1	U 234	0.090	0.040	0.059	0.002	1.53	0.68	W
1	U 238	0.028	0.020	0.002	0.000	14.00	10.10	N
Matrix: SO								
1	PU239	7.000	0.740	6.760	0.440	1.04	0.13	A
1	U 234	10.000	1.100	30.300	1.790	0.33	0.04	N
1	U 238	9.600	1.100	31.600	1.270	0.30	0.04	N
Matrix: VE								
1	PU239	1.100	0.100	1.120	0.159	0.98	0.17	A
Matrix: WA								
1	H 3	57.800	8.600	60.300	2.310	0.96	0.15	A
1	PU239	0.730	0.120	0.591	0.047	1.24	0.23	W
1	U 234	0.400	0.070	0.373	0.013	1.07	0.19	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: PC

Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.270	0.110	0.177	0.003	1.53	0.62	W
1	CE144	70.000	9.500	91.200	0.912	0.77	0.10	W
1	CO 57	10.000	0.840	12.700	0.127	0.79	0.07	A
1	CO 60	3.400	0.340	3.760	0.376	0.90	0.13	A
1	CS134	5.400	0.420	5.750	0.575	0.94	0.12	A
1	CS137	4.400	0.530	5.280	0.528	0.83	0.13	W
1	MN 54	4.000	0.490	4.710	0.470	0.85	0.13	A
1	PU238	0.130	0.022	0.122	0.004	1.07	0.18	A
1	PU239	0.067	0.016	0.062	0.002	1.08	0.26	A
1	SB125	9.000	0.600	9.420	0.942	0.96	0.12	A
1	SR 90	0.680	0.093	0.739	0.054	0.92	0.14	A
1	U 234	0.064	0.012	0.059	0.002	1.09	0.21	A
1	U 238	0.005	0.004	0.002	0.000	2.40	1.82	N
Matrix: SO								
1	AM241	7.500	3.500	3.200	0.754	2.34	1.23	N
1	CS137	306.000	46.000	266.000	3.560	1.15	0.17	A
1	K 40	377.000	72.000	384.000	27.800	0.98	0.20	A
1	PU238	37.000	5.200	32.000	0.567	1.16	0.16	W
1	PU239	6.200	2.200	6.760	0.440	0.92	0.33	A
1	U 234	26.000	7.800	30.300	1.790	0.86	0.26	A
1	U 238	25.000	5.600	31.600	1.270	0.79	0.18	A
Matrix: VE								
1	CO 60	8.500	2.600	9.600	1.700	0.89	0.31	A
1	CS137	140.000	23.000	117.000	3.270	1.20	0.20	A
1	K 40	1110.000	180.000	1030.000	8.160	1.08	0.18	A
1	PU239	1.300	0.550	1.120	0.159	1.16	0.52	A
1	SR 90	371.000	8.500	512.000	52.500	0.73	0.08	A
2	SR 90	370.000	8.500	512.000	52.500	0.72	0.08	A
Matrix: WA								
1	AM241	1.500	0.160	1.330	0.073	1.13	0.14	A
1	CO 60	197.000	13.000	196.000	3.490	1.01	0.07	A
1	CS134	88.000	5.400	83.500	1.800	1.05	0.07	A
1	CS137	87.000	8.600	76.800	2.280	1.13	0.12	A
1	H 3	58.000	13.000	60.300	2.310	0.96	0.22	A
1	MN 54	48.000	5.000	43.500	2.060	1.10	0.13	A
1	PU239	0.670	0.075	0.591	0.047	1.13	0.16	A
1	SR 90	2.500	0.370	2.400	0.225	1.04	0.18	A
1	U 234	0.360	0.067	0.373	0.013	0.97	0.18	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: PI								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
2	PU238	0.122	0.010	0.122	0.004	1.00	0.09	A
2	PU239	0.062	0.007	0.062	0.002	0.99	0.11	A
Matrix: SO								
1	PU238	34.100	3.400	32.000	0.567	1.07	0.11	A
1	PU239	7.210	1.100	6.760	0.440	1.07	0.18	A
Matrix: WA								
2	H 3	52.600	7.600	60.300	2.310	0.87	0.13	A
2	PU239	0.678	0.065	0.591	0.047	1.15	0.14	A
1	U BQ	0.589	0.060	0.568	0.028	1.04	0.12	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: PR								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: WA								
1	H 3	55.100	0.000	60.300	2.310	0.91	0.04	A
2	H 3	55.100	2.810	60.300	2.310	0.91	0.06	A
2	H 3	56.400	0.000	60.300	2.310	0.94	0.04	A
2	H 3	56.400	2.810	60.300	2.310	0.94	0.06	A
3	H 3	55.700	0.000	60.300	2.310	0.92	0.04	A
3	H 3	55.700	2.810	60.300	2.310	0.92	0.06	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: RE								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.117	0.018	0.177	0.003	0.66	0.10	W
1	CE144	67.000	7.170	91.200	0.912	0.74	0.08	W
1	CO 57	9.360	1.050	12.700	0.127	0.74	0.08	W
1	CO 60	3.420	0.516	3.760	0.376	0.91	0.17	A
1	CS134	6.020	0.753	5.750	0.575	1.05	0.17	A
1	CS137	4.980	0.672	5.280	0.528	0.94	0.16	A
1	MN 54	4.020	0.583	4.710	0.470	0.85	0.15	A
1	PU238	0.073	0.014	0.122	0.004	0.60	0.11	W
1	PU239	0.070	0.013	0.062	0.002	1.12	0.21	A
1	SB125	9.400	1.410	9.420	0.942	1.00	0.18	A
1	SR 90	0.868	0.087	0.739	0.054	1.17	0.15	A
1	U 234	0.051	0.009	0.059	0.002	0.87	0.16	W
1	U 238	0.007	0.002	0.002	0.000	3.38	1.27	N
Matrix: SO								
1	AM241	2.130	0.488	3.200	0.754	0.67	0.22	W
1	CS137	234.000	20.600	266.000	3.560	0.88	0.08	A
1	K 40	332.000	44.200	384.000	27.800	0.87	0.13	A
1	PU238	18.700	5.620	32.000	0.567	0.58	0.18	A
1	PU239	6.810	0.842	6.760	0.440	1.01	0.14	A
1	SR 90	13.400	2.270	11.300	1.500	1.19	0.26	A
1	U 234	18.000	2.120	30.300	1.790	0.59	0.08	W
1	U 238	24.300	2.700	31.600	1.270	0.77	0.09	A
Matrix: VE								
1	AM241	0.676	0.107	0.702	0.048	0.96	0.17	A
1	CO 60	12.600	3.810	9.600	1.700	1.31	0.46	W
1	CS137	146.000	11.100	117.000	3.270	1.25	0.10	A
1	K 40	1220.000	188.000	1030.000	8.160	1.18	0.18	A
1	PU238	0.059	0.074	0.089	0.019	0.66	0.85	N
1	PU239	1.150	0.293	1.120	0.159	1.03	0.30	A
1	SR 90	484.000	55.600	512.000	52.500	0.95	0.15	A
Matrix: WA								
1	AM241	1.310	0.240	1.330	0.073	0.99	0.19	A
1	CO 60	216.000	11.300	196.000	3.490	1.10	0.06	A
1	CS134	85.900	5.060	83.500	1.800	1.03	0.06	A
1	CS137	86.600	5.200	76.800	2.280	1.13	0.08	A
1	H 3	61.000	8.240	60.300	2.310	1.01	0.14	A
1	MN 54	49.000	3.590	43.500	2.060	1.13	0.10	A
1	PU239	0.616	0.068	0.591	0.047	1.04	0.14	A
1	SR 90	2.370	0.196	2.400	0.225	0.99	0.12	A
1	U 234	0.356	0.026	0.373	0.013	0.95	0.08	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: RF								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.174	0.021	0.177	0.003	0.98	0.12	A
1	GA	1.980	0.590	3.220	0.240	0.62	0.19	W
1	GB	1.040	0.250	1.850	0.139	0.56	0.14	W
1	PU238	0.119	0.012	0.122	0.004	0.98	0.10	A
1	PU239	0.060	0.006	0.062	0.002	0.97	0.10	A
1	U 234	0.071	0.014	0.059	0.002	1.20	0.24	A
1	U 238	0.004	0.002	0.002	0.000	1.85	0.92	W
Matrix: SO								
1	AM241	3.020	0.230	3.200	0.754	0.94	0.23	A
1	PU238	32.700	3.480	32.000	0.567	1.02	0.11	A
1	PU239	6.870	0.900	6.760	0.440	1.02	0.15	A
1	U 234	25.800	2.800	30.300	1.790	0.85	0.11	A
1	U 238	26.100	2.830	31.600	1.270	0.83	0.10	A
Matrix: VE								
1	AM241	0.693	0.065	0.702	0.048	0.99	0.12	A
1	PU238	0.094	0.040	0.089	0.019	1.06	0.51	A
1	PU239	1.090	0.160	1.120	0.159	0.97	0.20	A
Matrix: WA								
1	AM241	1.440	0.162	1.330	0.073	1.08	0.14	A
1	CO 60	89.800	0.800	196.000	3.490	0.46	0.01	N
1	CS134	38.600	0.700	83.500	1.800	0.46	0.01	N
1	CS137	37.900	0.700	76.800	2.280	0.49	0.02	N
1	H 3	56.800	7.660	60.300	2.310	0.94	0.13	A
1	MN 54	20.700	0.700	43.500	2.060	0.48	0.03	N
1	PU239	0.685	0.090	0.591	0.047	1.16	0.18	A
1	U 234	0.401	0.059	0.373	0.013	1.08	0.16	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: RG								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: SO								
1	AM241	3.530	0.490	3.200	0.754	1.10	0.30	A
1	PU238	33.300	1.590	32.000	0.567	1.04	0.05	A
1	PU239	7.470	0.630	6.760	0.440	1.11	0.12	A
1	U 234	29.800	1.450	30.300	1.790	0.98	0.08	A
1	U 238	29.400	1.430	31.600	1.270	0.93	0.06	A
1	U BQ	60.300	3.120	63.400	3.200	0.95	0.07	A
Matrix: WA								
1	AM241	1.370	0.456	1.330	0.073	1.03	0.35	A
2	AM241	1.370	0.460	1.330	0.073	1.03	0.35	A
1	GA	1450.000	51.000	1340.000	40.000	1.08	0.05	A
1	GB	722.000	55.000	653.000	19.300	1.11	0.09	A
1	H 3	50.100	3.500	60.300	2.310	0.83	0.07	A
1	PU239	0.656	0.029	0.591	0.047	1.11	0.10	A
2	PU239	0.656	0.029	0.591	0.047	1.11	0.10	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: RI								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.186	0.026	0.177	0.003	1.05	0.15	A
1	CE144	57.400	2.000	91.200	0.912	0.63	0.02	W
1	CO 57	8.340	0.360	12.700	0.127	0.66	0.03	W
1	CO 60	3.300	0.320	3.760	0.376	0.88	0.12	A
1	CS134	5.190	0.280	5.750	0.575	0.90	0.10	A
1	CS137	3.740	0.540	5.280	0.528	0.71	0.12	W
1	MN 54	4.070	0.440	4.710	0.470	0.86	0.13	A
1	SB125	4.850	0.830	9.420	0.942	0.52	0.10	W
1	SR 90	0.829	0.208	0.739	0.054	1.12	0.29	A
Matrix: SO								
1	CS137	302.000	9.000	266.000	3.560	1.14	0.04	A
1	K 40	421.000	93.000	384.000	27.800	1.10	0.26	A
1	PU238	32.200	1.500	32.000	0.567	1.01	0.05	A
1	PU239	7.590	0.460	6.760	0.440	1.12	0.10	A
Matrix: VE								
1	CS137	134.000	12.000	117.000	3.270	1.15	0.11	A
1	K 40	1250.000	184.000	1030.000	8.160	1.21	0.18	A
1	PU239	2.170	0.200	1.120	0.159	1.94	0.33	W
1	SR 90	188.000	57.000	512.000	52.500	0.37	0.12	N
Matrix: WA								
1	AM241	1.400	0.180	1.330	0.073	1.05	0.15	A
1	CO 60	217.000	3.000	196.000	3.490	1.11	0.03	W
1	CS134	91.100	2.000	83.500	1.800	1.09	0.03	A
1	CS137	85.100	2.700	76.800	2.280	1.11	0.05	A
1	H 3	74.700	2.100	60.300	2.310	1.24	0.06	A
1	MN 54	50.700	2.300	43.500	2.060	1.17	0.08	W
1	PU239	0.633	0.033	0.591	0.047	1.07	0.10	A
1	SR 90	2.320	0.530	2.400	0.225	0.97	0.24	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: SA								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	CE144	99.400	9.000	91.200	0.912	1.09	0.10	A
1	CO 57	14.400	0.140	12.700	0.127	1.13	0.02	A
1	CO 60	4.100	0.400	3.760	0.376	1.09	0.15	A
1	CS134	6.300	0.600	5.750	0.575	1.10	0.15	W
1	CS137	6.000	0.600	5.280	0.528	1.14	0.16	A
1	MN 54	5.300	0.500	4.710	0.470	1.13	0.16	A
1	SB125	11.400	1.100	9.420	0.942	1.21	0.17	W
Matrix: WA								
1	CO 60	205.000	20.000	196.000	3.490	1.05	0.10	A
1	CS134	82.000	8.000	83.500	1.800	0.98	0.10	A
1	CS137	81.000	8.000	76.800	2.280	1.05	0.11	A
1	MN 54	45.000	4.500	43.500	2.060	1.03	0.11	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: SC								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	GA	3.700	0.000	3.220	0.240	1.15	0.09	A
2	GA	3.700	0.030	3.220	0.240	1.15	0.09	A
1	GB	1.730	0.000	1.850	0.139	0.94	0.07	A
2	GB	1.730	0.030	1.850	0.139	0.94	0.07	A
Matrix: SO								
1	CS137	221.000	2.000	266.000	3.560	0.83	0.01	A
1	K 40	397.000	9.000	384.000	27.800	1.03	0.08	A
1	PU238	22.000	0.200	32.000	0.567	0.69	0.01	A
1	PU239	5.000	0.100	6.760	0.440	0.74	0.05	W
1	U 234	20.500	0.050	30.300	1.790	0.68	0.04	W
1	U 238	20.400	0.050	31.600	1.270	0.65	0.03	W
Matrix: WA								
1	AM241	1.200	0.030	1.330	0.073	0.90	0.05	A
1	CO 60	206.000	1.000	196.000	3.490	1.05	0.02	A
1	CS134	88.000	1.000	83.500	1.800	1.05	0.03	A
1	CS137	81.000	1.000	76.800	2.280	1.05	0.03	A
1	GA	1810.000	36.000	1340.000	40.000	1.35	0.05	W
1	GB	738.000	15.000	653.000	19.300	1.13	0.04	A
1	H 3	43.000	0.800	60.300	2.310	0.71	0.03	W
1	MN 54	41.000	1.000	43.500	2.060	0.94	0.05	A
1	PU239	0.575	0.020	0.591	0.047	0.97	0.09	A
1	U 234	0.310	0.010	0.373	0.013	0.83	0.04	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: SK								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	CE144	78.100	7.200	91.200	0.912	0.86	0.08	A
1	CO 57	10.900	1.200	12.700	0.127	0.86	0.09	A
1	CO 60	3.200	0.200	3.760	0.376	0.85	0.10	A
1	CS134	6.100	0.800	5.750	0.575	1.06	0.18	A
1	CS137	4.400	0.200	5.280	0.528	0.83	0.09	W
1	MN 54	3.700	0.200	4.710	0.470	0.79	0.09	W
1	SB125	8.500	0.600	9.420	0.942	0.90	0.11	A
Matrix: SO								
1	CS137	322.000	8.000	266.000	3.560	1.21	0.03	A
1	K 40	423.000	30.000	384.000	27.800	1.10	0.11	A
Matrix: VE								
1	CO 60	9.400	2.200	9.600	1.700	0.98	0.29	A
1	CS137	142.000	16.000	117.000	3.270	1.21	0.14	A
1	K 40	1200.000	138.000	1030.000	8.160	1.17	0.13	A
Matrix: WA								
1	AM241	1.430	0.080	1.330	0.073	1.08	0.08	A
1	CO 60	219.000	10.000	196.000	3.490	1.12	0.05	W
1	CS134	95.200	6.200	83.500	1.800	1.14	0.08	A
1	CS137	86.900	4.600	76.800	2.280	1.13	0.07	A
1	GA	1170.000	120.000	1340.000	40.000	0.87	0.09	A
1	GB	587.000	60.000	653.000	19.300	0.90	0.10	A
1	H 3	51.600	1.400	60.300	2.310	0.86	0.04	A
1	MN 54	47.500	1.400	43.500	2.060	1.09	0.06	A
1	PU239	0.564	0.038	0.591	0.047	0.95	0.10	A
1	U BQ	0.611	0.048	0.568	0.028	1.08	0.10	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: SR

Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	CE144	50.800	2.500	91.200	0.912	0.56	0.03	N
1	CO 57	7.200	0.500	12.700	0.127	0.57	0.04	N
1	CO 60	2.600	0.200	3.760	0.376	0.69	0.09	N
1	CS134	4.200	0.600	5.750	0.575	0.73	0.13	W
1	CS137	3.500	0.600	5.280	0.528	0.66	0.13	N
1	GA	3.640	0.200	3.220	0.240	1.13	0.11	A
1	GB	1.990	0.070	1.850	0.139	1.08	0.09	A
1	MN 54	3.100	0.500	4.710	0.470	0.66	0.13	N
1	PU238	0.063	0.003	0.122	0.004	0.52	0.03	W
1	PU239	0.033	0.002	0.062	0.002	0.53	0.04	N
1	SB125	6.900	1.000	9.420	0.942	0.73	0.13	W
Matrix: SO								
1	CS137	299.000	10.000	266.000	3.560	1.12	0.04	A
1	K 40	393.000	41.000	384.000	27.800	1.02	0.13	A
Matrix: VE								
1	CO 60	11.200	5.900	9.600	1.700	1.17	0.65	A
1	CS137	134.000	9.800	117.000	3.270	1.15	0.09	A
1	K 40	1160.000	236.000	1030.000	8.160	1.13	0.23	A
1	PU238	0.130	0.040	0.089	0.019	1.47	0.55	W
1	PU239	1.190	0.150	1.120	0.159	1.06	0.20	A
1	SR 90	274.000	28.000	512.000	52.500	0.54	0.08	W
Matrix: WA								
1	AM241	1.340	0.190	1.330	0.073	1.01	0.15	A
1	CO 60	216.000	4.000	196.000	3.490	1.10	0.03	A
1	CS134	88.000	2.000	83.500	1.800	1.05	0.03	A
1	CS137	89.000	3.000	76.800	2.280	1.16	0.05	W
1	GA	1240.000	47.000	1340.000	40.000	0.93	0.04	A
1	GB	666.000	26.000	653.000	19.300	1.02	0.05	A
1	H 3	71.000	5.000	60.300	2.310	1.18	0.09	A
1	MN 54	50.000	1.000	43.500	2.060	1.15	0.06	W
1	PU239	0.588	0.021	0.591	0.047	1.00	0.09	A
1	SR 90	2.200	0.500	2.400	0.225	0.92	0.23	A
1	U 234	0.356	0.056	0.373	0.013	0.95	0.15	A
1	U 235	0.252	0.052	0.196	0.006	1.29	0.27	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: SS								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	CE144	72.000	7.000	91.200	0.912	0.79	0.08	A
1	CO 57	10.300	1.000	12.700	0.127	0.81	0.08	A
1	CO 60	3.600	0.400	3.760	0.376	0.96	0.14	A
1	CS134	5.100	0.500	5.750	0.575	0.89	0.12	A
1	CS137	5.300	0.500	5.280	0.528	1.00	0.14	A
1	MN 54	4.700	0.500	4.710	0.470	1.00	0.15	A
1	SB125	9.300	0.900	9.420	0.942	0.99	0.14	A
Matrix: SO								
1	CS137	328.000	16.000	266.000	3.560	1.23	0.06	A
1	K 40	478.000	28.000	384.000	27.800	1.25	0.12	A
Matrix: VE								
1	CO 60	9.400	0.600	9.600	1.700	0.98	0.18	A
1	CS137	158.000	6.000	117.000	3.270	1.35	0.06	W
1	K 40	1340.000	67.000	1030.000	8.160	1.30	0.07	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: SV								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: WA								
1	GA	105.000	12.000	1340.000	40.000	0.08	0.01	N
1	GB	652.000	16.000	653.000	19.300	1.00	0.04	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: SW								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.060	0.010	0.177	0.003	0.34	0.06	N
1	CE144	65.300	1.100	91.200	0.912	0.72	0.01	W
1	CO 57	9.490	1.700	12.700	0.127	0.75	0.13	W
1	CO 60	3.150	0.140	3.760	0.376	0.84	0.09	A
1	CS134	5.100	0.150	5.750	0.575	0.89	0.09	A
1	CS137	4.290	0.230	5.280	0.528	0.81	0.09	W
1	GA	3.390	0.078	3.220	0.240	1.05	0.08	A
1	GB	1.410	0.064	1.850	0.139	0.76	0.07	W
1	MN 54	3.910	0.210	4.710	0.470	0.83	0.09	W
1	PU238	0.240	0.030	0.122	0.004	1.97	0.26	N
1	PU239	0.160	0.020	0.062	0.002	2.57	0.33	N
1	SB125	8.380	0.340	9.420	0.942	0.89	0.10	A
1	SR 90	3.440	0.270	0.739	0.054	4.66	0.50	N
Matrix: SO								
1	CS137	291.000	18.900	266.000	3.560	1.09	0.07	A
1	K 40	393.000	124.000	384.000	27.800	1.02	0.33	A
1	SR 90	17.000	2.700	11.300	1.500	1.50	0.31	A
Matrix: VE								
1	CO 60	9.910	1.160	9.600	1.700	1.03	0.22	A
1	CS137	102.000	2.400	117.000	3.270	0.87	0.03	A
1	K 40	816.000	29.200	1030.000	8.160	0.79	0.03	A
1	SR 90	269.000	39.400	512.000	52.500	0.52	0.09	W
Matrix: WA								
1	AM241	1.680	0.120	1.330	0.073	1.26	0.11	W
1	CO 60	213.000	1.300	196.000	3.490	1.09	0.02	A
1	CS134	89.200	0.800	83.500	1.800	1.07	0.02	A
1	CS137	87.700	1.200	76.800	2.280	1.14	0.04	A
1	FE 55	0.000	0.000	119.000	5.820	0.00	0.14	N
1	H 3	187.000	34.000	60.300	2.310	3.10	0.58	N
1	MN 54	49.200	1.100	43.500	2.060	1.13	0.06	A
1	PU239	0.900	0.080	0.591	0.047	1.52	0.18	N
1	SR 90	4.100	0.460	2.400	0.225	1.71	0.25	N

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: TI

Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.180	0.030	0.177	0.003	1.02	0.17	A
1	CE144	53.300	5.300	91.200	0.912	0.58	0.06	N
1	CO 57	7.900	0.800	12.700	0.127	0.62	0.06	N
1	CO 60	3.200	0.300	3.760	0.376	0.85	0.12	A
1	CS134	4.700	0.500	5.750	0.575	0.82	0.12	A
1	CS137	4.900	0.500	5.280	0.528	0.93	0.13	A
1	GA	3.500	0.100	3.220	0.240	1.09	0.09	A
1	GB	1.900	0.100	1.850	0.139	1.03	0.09	A
1	MN 54	3.400	0.300	4.710	0.470	0.72	0.10	N
1	PU238	0.120	0.030	0.122	0.004	0.98	0.25	A
1	PU239	0.045	0.017	0.062	0.002	0.72	0.27	W
1	SB125	7.700	1.000	9.420	0.942	0.82	0.13	A
1	SR 90	0.770	0.150	0.739	0.054	1.04	0.22	A
1	U BQ	0.510	0.080	0.091	0.005	5.60	0.93	N
Matrix: SO								
1	AM241	3.700	1.200	3.200	0.754	1.16	0.46	A
1	CS137	319.000	32.000	266.000	3.560	1.20	0.12	A
1	K 40	444.000	44.000	384.000	27.800	1.16	0.14	A
1	PU238	47.000	5.000	32.000	0.567	1.47	0.16	N
1	PU239	11.000	2.000	6.760	0.440	1.63	0.31	W
1	SR 90	9.600	1.200	11.300	1.500	0.85	0.16	A
1	U BQ	44.000	7.000	63.400	3.200	0.69	0.12	A
Matrix: VE								
1	AM241	0.810	0.400	0.702	0.048	1.15	0.58	A
1	CO 60	10.200	1.000	9.600	1.700	1.06	0.22	A
1	CS137	144.000	14.000	117.000	3.270	1.23	0.13	A
1	K 40	1240.000	120.000	1030.000	8.160	1.20	0.12	A
1	PU238	0.000	0.300	0.089	0.019	0.00	0.16	N
1	PU239	0.870	0.500	1.120	0.159	0.78	0.46	A
1	SR 90	430.000	10.000	512.000	52.500	0.84	0.09	A
Matrix: WA								
1	AM241	1.400	0.200	1.330	0.073	1.05	0.16	A
1	CO 60	228.000	22.800	196.000	3.490	1.16	0.12	W
1	CS134	94.000	9.400	83.500	1.800	1.13	0.12	A
1	CS137	95.800	9.600	76.800	2.280	1.25	0.13	W
1	FE 55	148.000	22.200	119.000	5.820	1.24	0.20	W
1	GA	1480.000	740.000	1340.000	40.000	1.10	0.55	A
1	GB	960.000	40.000	653.000	19.300	1.47	0.08	W
1	H 3	62.900	0.600	60.300	2.310	1.04	0.04	A
1	MN 54	51.400	5.100	43.500	2.060	1.18	0.13	W
1	PU239	0.700	0.200	0.591	0.047	1.18	0.35	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: TI								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
1	SR 90	2.300	0.200	2.400	0.225	0.96	0.12	A
1	U 234	0.480	0.110	0.373	0.013	1.29	0.30	W
1	U 235	0.160	0.060	0.196	0.006	0.82	0.31	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: TM								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.183	0.010	0.177	0.003	1.03	0.06	A
1	CE144	67.400	2.220	91.200	0.912	0.74	0.03	W
1	CO 57	10.400	0.354	12.700	0.127	0.82	0.03	A
1	CO 60	3.220	0.251	3.760	0.376	0.86	0.11	A
1	CS134	5.290	0.256	5.750	0.575	0.92	0.10	A
1	CS137	4.380	0.272	5.280	0.528	0.83	0.10	W
1	MN 54	4.400	0.290	4.710	0.470	0.93	0.11	A
1	PU238	0.117	0.007	0.122	0.004	0.96	0.06	A
1	PU239	0.059	0.004	0.062	0.002	0.95	0.08	A
1	SB125	9.250	0.609	9.420	0.942	0.98	0.12	A
1	SR 90	0.875	0.109	0.739	0.054	1.18	0.17	A
1	U 234	0.065	0.005	0.059	0.002	1.10	0.09	A
1	U 238	0.005	0.001	0.002	0.000	2.41	0.61	N
Matrix: SO								
1	AM241	2.420	0.250	3.200	0.754	0.76	0.20	A
1	CS137	210.000	6.870	266.000	3.560	0.79	0.03	W
1	K 40	289.000	27.100	384.000	27.800	0.75	0.09	W
1	PU238	32.700	1.810	32.000	0.567	1.02	0.06	A
1	PU239	7.340	0.574	6.760	0.440	1.09	0.11	A
1	SR 90	13.500	2.800	11.300	1.500	1.20	0.29	A
1	U 234	27.500	1.890	30.300	1.790	0.91	0.08	A
1	U 238	28.400	1.930	31.600	1.270	0.90	0.07	A
Matrix: VE								
1	AM241	0.740	0.102	0.702	0.048	1.05	0.16	A
1	CO 60	10.900	2.020	9.600	1.700	1.14	0.29	A
1	CS137	154.000	5.570	117.000	3.270	1.32	0.06	W
1	K 40	1210.000	56.700	1030.000	8.160	1.17	0.06	A
1	PU238	0.296	0.093	0.089	0.019	3.34	1.27	N
1	PU239	1.090	0.139	1.120	0.159	0.97	0.19	A
1	SR 90	610.000	37.400	512.000	52.500	1.19	0.14	W
Matrix: WA								
1	AM241	1.380	0.066	1.330	0.073	1.04	0.08	A
1	CO 60	214.000	6.510	196.000	3.490	1.09	0.04	A
1	CS134	92.500	2.910	83.500	1.800	1.11	0.04	A
1	CS137	90.100	2.880	76.800	2.280	1.17	0.05	W
1	H 3	54.700	5.740	60.300	2.310	0.91	0.10	A
1	MN 54	49.200	1.880	43.500	2.060	1.13	0.07	A
1	PU239	0.695	0.043	0.591	0.047	1.18	0.12	W
1	SR 90	2.120	0.176	2.400	0.225	0.88	0.11	A
1	U 234	0.402	0.040	0.373	0.013	1.08	0.11	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: TN								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.172	0.019	0.177	0.003	0.97	0.11	A
1	CE144	60.400	0.115	91.200	0.912	0.66	0.01	W
1	CO 57	9.440	0.139	12.700	0.127	0.74	0.01	W
1	CO 60	3.330	0.166	3.760	0.376	0.89	0.10	A
1	CS134	6.760	0.334	5.750	0.575	1.18	0.13	W
1	CS137	4.490	0.181	5.280	0.528	0.85	0.09	A
1	GA	4.110	0.070	3.220	0.240	1.28	0.10	W
1	GB	1.800	0.056	1.850	0.139	0.97	0.08	A
1	MN 54	4.280	0.184	4.710	0.470	0.91	0.10	A
1	PU238	0.131	0.008	0.122	0.004	1.07	0.07	A
1	PU239	0.058	0.005	0.062	0.002	0.92	0.08	A
1	SB125	9.190	0.522	9.420	0.942	0.98	0.11	A
Matrix: SO								
1	AM241	2.720	0.983	3.200	0.754	0.85	0.37	A
1	CS137	251.000	7.000	266.000	3.560	0.94	0.03	A
1	K 40	384.000	39.600	384.000	27.800	1.00	0.13	A
1	PU238	34.300	2.210	32.000	0.567	1.07	0.07	A
1	PU239	7.440	0.949	6.760	0.440	1.10	0.16	A
1	SR 90	11.800	1.200	11.300	1.500	1.04	0.18	A
1	U 234	26.000	1.520	30.300	1.790	0.86	0.07	A
1	U 238	26.300	1.530	31.600	1.270	0.83	0.06	A
Matrix: VE								
2	CO 60	9.230	2.590	9.600	1.700	0.96	0.32	A
1	CS137	131.000	3.100	117.000	3.270	1.12	0.04	A
1	K 40	1150.000	38.000	1030.000	8.160	1.12	0.04	A
1	PU238	0.254	0.098	0.089	0.019	2.86	1.27	N
1	PU239	1.100	0.217	1.120	0.159	0.98	0.24	A
1	SR 90	531.000	53.000	512.000	52.500	1.04	0.15	A
Matrix: WA								
1	AM241	1.360	0.207	1.330	0.073	1.02	0.17	A
1	CO 60	196.000	7.200	196.000	3.490	1.00	0.04	A
1	CS134	104.000	7.800	83.500	1.800	1.25	0.10	W
1	CS137	80.400	6.010	76.800	2.280	1.05	0.08	A
1	FE 55	117.000	10.400	119.000	5.820	0.98	0.10	A
1	GA	1480.000	41.200	1340.000	40.000	1.10	0.05	A
1	GB	671.000	13.000	653.000	19.300	1.03	0.04	A
1	H 3	51.600	5.650	60.300	2.310	0.86	0.10	A
1	MN 54	42.600	6.010	43.500	2.060	0.98	0.15	A
1	PU239	0.684	0.078	0.591	0.047	1.16	0.16	A
1	SR 90	2.410	0.240	2.400	0.225	1.00	0.14	A
1	U 234	0.385	0.050	0.373	0.013	1.03	0.14	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: TO								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	CO 60	4.530	0.200	3.760	0.376	1.21	0.13	W
1	CS134	5.900	0.606	5.750	0.575	1.03	0.15	A
1	CS137	6.100	0.464	5.280	0.528	1.16	0.15	A
1	GA	4.700	0.054	3.220	0.240	1.46	0.11	W
1	GB	2.570	0.046	1.850	0.139	1.39	0.11	W
1	MN 54	5.240	0.422	4.710	0.470	1.11	0.14	A
1	SB125	11.600	0.704	9.420	0.942	1.23	0.14	W
Matrix: SO								
1	CS137	306.000	19.600	266.000	3.560	1.15	0.08	A
1	K 40	406.000	31.800	384.000	27.800	1.06	0.11	A
1	PU238	33.600	3.020	32.000	0.567	1.05	0.10	A
1	PU239	7.880	0.910	6.760	0.440	1.17	0.16	A
1	SR 90	14.900	1.580	11.300	1.500	1.32	0.22	A
1	U 234	25.800	3.540	30.300	1.790	0.85	0.13	A
1	U 238	22.300	2.430	31.600	1.270	0.71	0.08	A
Matrix: VE								
1	CO 60	7.080	1.270	9.600	1.700	0.74	0.19	W
1	PU238	0.278	0.072	0.089	0.019	3.13	1.07	N
1	PU239	1.200	0.141	1.120	0.159	1.07	0.20	A
1	SR 90	559.000	75.900	512.000	52.500	1.09	0.19	A
Matrix: WA								
1	AM241	1.310	0.181	1.330	0.073	0.99	0.15	A
1	CO 60	212.000	4.160	196.000	3.490	1.08	0.03	A
1	CS134	87.400	2.840	83.500	1.800	1.05	0.04	A
1	CS137	88.700	2.600	76.800	2.280	1.16	0.05	W
1	GA	1310.000	29.300	1340.000	40.000	0.98	0.04	A
1	GB	912.000	22.400	653.000	19.300	1.40	0.05	W
1	H 3	35.200	1.230	60.300	2.310	0.58	0.03	N
1	MN 54	49.000	1.470	43.500	2.060	1.13	0.06	A
1	PU239	0.943	0.078	0.591	0.047	1.60	0.18	N
1	SR 90	2.040	0.420	2.400	0.225	0.85	0.19	A
1	U 234	0.370	0.078	0.373	0.013	0.99	0.21	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: TY								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	GA	3.800	1.200	3.220	0.240	1.18	0.38	A
1	GB	2.000	0.200	1.850	0.139	1.08	0.14	A
1	SR 90	0.720	0.100	0.739	0.054	0.97	0.15	A
Matrix: SO								
1	SR 90	10.000	1.400	11.300	1.500	0.89	0.17	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: UC								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.380	0.019	0.177	0.003	2.15	0.11	N
1	CO 60	3.220	0.055	3.760	0.376	0.86	0.09	A
1	CS137	5.350	0.048	5.280	0.528	1.01	0.10	A
1	GA	3.800	0.130	3.220	0.240	1.18	0.10	A
1	GB	1.600	0.050	1.850	0.139	0.87	0.07	A
Matrix: SO								
1	CS137	273.000	1.970	266.000	3.560	1.03	0.02	A
1	K 40	449.000	10.900	384.000	27.800	1.17	0.09	A
Matrix: VE								
1	CO 60	8.270	0.680	9.600	1.700	0.86	0.17	A
1	CS137	128.000	1.570	117.000	3.270	1.09	0.03	A
1	K 40	1240.000	19.600	1030.000	8.160	1.20	0.02	A
Matrix: WA								
1	CO 60	194.000	1.490	196.000	3.490	0.99	0.02	A
1	CS137	78.600	0.870	76.800	2.280	1.02	0.03	A
1	GA	1580.000	94.000	1340.000	40.000	1.18	0.08	A
2	GA	1580.000	94.000	1340.000	40.000	1.18	0.08	A
1	GB	835.000	42.000	653.000	19.300	1.28	0.07	W
1	PU239	0.620	0.120	0.591	0.047	1.05	0.22	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: UK								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	CE144	4.770	0.480	91.200	0.912	0.05	0.01	N
1	CO 57	5.510	0.140	12.700	0.127	0.43	0.01	N
1	CO 60	1.900	0.083	3.760	0.376	0.51	0.06	N
1	CS134	0.330	0.067	5.750	0.575	0.06	0.01	N
1	CS137	2.930	0.130	5.280	0.528	0.56	0.06	N
1	MN 54	2.780	0.140	4.710	0.470	0.59	0.07	N
Matrix: SO								
1	CS137	264.000	3.800	266.000	3.560	0.99	0.02	A
1	K 40	361.000	20.000	384.000	27.800	0.94	0.09	A
Matrix: WA								
1	CO 60	227.000	3.400	196.000	3.490	1.16	0.03	W
1	CS134	11.100	1.500	83.500	1.800	0.13	0.02	N
1	CS137	85.800	2.700	76.800	2.280	1.12	0.05	A
1	GA	929.000	74.000	1340.000	40.000	0.69	0.06	W
1	GB	644.000	32.000	653.000	19.300	0.99	0.06	A
1	MN 54	52.200	2.700	43.500	2.060	1.20	0.08	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: UP

Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.213	0.067	0.177	0.003	1.20	0.38	A
1	CE144	49.900	7.070	91.200	0.912	0.55	0.08	N
1	CO 57	7.050	0.418	12.700	0.127	0.56	0.03	N
1	CO 60	2.100	0.698	3.760	0.376	0.56	0.19	N
1	CS134	3.860	0.514	5.750	0.575	0.67	0.11	W
1	CS137	3.240	0.708	5.280	0.528	0.61	0.15	N
1	MN 54	3.600	0.602	4.710	0.470	0.76	0.15	W
1	PU238	0.105	0.036	0.122	0.004	0.86	0.30	A
1	PU239	0.232	0.059	0.062	0.002	3.72	0.95	N
1	SR 90	0.707	0.205	0.739	0.054	0.96	0.29	A
Matrix: SO								
1	PU238	24.500	5.130	32.000	0.567	0.77	0.16	A
1	PU239	4.450	1.550	6.760	0.440	0.66	0.23	W
Matrix: WA								
1	AM241	1.310	0.370	1.330	0.073	0.99	0.28	A
1	CO 60	213.000	4.030	196.000	3.490	1.09	0.03	A
1	CS134	91.800	5.360	83.500	1.800	1.10	0.07	A
1	CS137	87.300	5.480	76.800	2.280	1.14	0.08	A
1	H 3	62.800	3.530	60.300	2.310	1.04	0.07	A
1	MN 54	49.200	3.770	43.500	2.060	1.13	0.10	A
1	PU239	0.674	0.168	0.591	0.047	1.14	0.30	A
1	SR 90	2.070	0.650	2.400	0.225	0.86	0.28	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: UY

Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	GA	3.900	0.200	3.220	0.240	1.21	0.11	W
1	GB	2.600	0.300	1.850	0.139	1.41	0.19	W
Matrix: SO								
1	AM241	2.200	1.200	3.200	0.754	0.69	0.41	W
1	CS137	52.000	32.000	266.000	3.560	0.20	0.12	N
1	PU238	16.000	2.500	32.000	0.567	0.50	0.08	A
1	PU239	3.200	0.800	6.760	0.440	0.47	0.12	N
Matrix: WA								
1	AM241	1.600	0.400	1.330	0.073	1.20	0.31	W
1	CO 60	220.000	13.000	196.000	3.490	1.12	0.07	W
1	CS134	96.000	8.900	83.500	1.800	1.15	0.11	A
1	CS137	91.000	13.000	76.800	2.280	1.18	0.17	W
1	GA	1200.000	160.000	1340.000	40.000	0.90	0.12	A
1	GB	960.000	140.000	653.000	19.300	1.47	0.22	W
1	MN 54	54.000	12.000	43.500	2.060	1.24	0.28	W
1	PU239	0.770	0.200	0.591	0.047	1.30	0.35	W
1	SR 90	3.200	1.800	2.400	0.225	1.33	0.76	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: WA

Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.171	0.021	0.177	0.003	0.97	0.12	A
1	CE144	75.200	1.500	91.200	0.912	0.83	0.02	A
1	CO 57	10.900	0.200	12.700	0.127	0.86	0.02	A
1	CO 60	3.440	0.150	3.760	0.376	0.92	0.10	A
1	CS134	5.070	0.150	5.750	0.575	0.88	0.09	A
1	CS137	5.300	0.220	5.280	0.528	1.00	0.11	A
1	GA	3.450	0.090	3.220	0.240	1.07	0.08	A
1	GB	2.530	0.060	1.850	0.139	1.37	0.11	W
1	MN 54	4.850	0.220	4.710	0.470	1.03	0.11	A
1	PU238	0.122	0.020	0.122	0.004	1.00	0.17	A
1	PU239	0.066	0.014	0.062	0.002	1.06	0.23	A
1	SB125	10.300	0.400	9.420	0.942	1.09	0.12	A
1	SR 90	0.910	0.150	0.739	0.054	1.23	0.22	A
1	U 234	0.085	0.011	0.059	0.002	1.44	0.19	W
1	U 235	0.027	0.006	0.030	0.009	0.89	0.33	A
1	U 238	0.030	0.007	0.002	0.000	15.00	3.81	N
1	U BQ	0.150	0.010	0.091	0.005	1.65	0.14	N
Matrix: SO								
1	AM241	2.420	0.220	3.200	0.754	0.76	0.19	A
1	CS137	290.000	19.000	266.000	3.560	1.09	0.07	A
1	K 40	418.000	30.000	384.000	27.800	1.09	0.11	A
1	PU238	28.600	1.500	32.000	0.567	0.89	0.05	A
1	PU239	5.590	0.670	6.760	0.440	0.83	0.11	A
1	SR 90	13.700	1.900	11.300	1.500	1.21	0.23	A
1	U 234	27.800	2.600	30.300	1.790	0.92	0.10	A
1	U 238	27.000	2.600	31.600	1.270	0.85	0.09	A
1	U BQ	59.300	3.700	63.400	3.200	0.94	0.08	A
Matrix: VE								
1	AM241	0.628	0.204	0.702	0.048	0.90	0.30	A
1	CO 60	8.150	1.740	9.600	1.700	0.85	0.24	A
1	CS137	120.000	9.000	117.000	3.270	1.03	0.08	A
1	K 40	1100.000	70.000	1030.000	8.160	1.07	0.07	A
1	PU238	0.350	0.250	0.089	0.019	3.95	2.95	N
1	PU239	1.050	0.240	1.120	0.159	0.94	0.25	A
1	SR 90	560.000	11.000	512.000	52.500	1.09	0.11	A
Matrix: WA								
1	AM241	1.310	0.090	1.330	0.073	0.99	0.09	A
1	CO 60	206.000	4.000	196.000	3.490	1.05	0.03	A
1	CS134	86.100	4.400	83.500	1.800	1.03	0.06	A
1	CS137	83.600	6.300	76.800	2.280	1.09	0.09	A
1	GA	1420.000	70.000	1340.000	40.000	1.06	0.06	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: WA								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
1	GB	916.000	39.000	653.000	19.300	1.40	0.07	W
1	H 3	55.900	4.800	60.300	2.310	0.93	0.09	A
1	MN 54	47.500	4.800	43.500	2.060	1.09	0.12	A
1	PU239	0.615	0.063	0.591	0.047	1.04	0.14	A
1	SR 90	2.540	0.270	2.400	0.225	1.06	0.15	A
1	U 234	0.280	0.043	0.373	0.013	0.75	0.12	N
1	U 235	0.148	0.030	0.196	0.006	0.76	0.16	W
1	U BQ	0.455	0.056	0.568	0.028	0.80	0.11	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: WC								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.177	0.042	0.177	0.003	1.00	0.24	A
1	CE144	58.300	5.800	91.200	0.912	0.64	0.06	W
1	CO 57	8.550	0.970	12.700	0.127	0.67	0.08	W
1	CO 60	3.040	0.330	3.760	0.376	0.81	0.12	W
1	CS134	4.380	0.400	5.750	0.575	0.76	0.10	A
1	CS137	4.500	0.760	5.280	0.528	0.85	0.17	A
1	GA	3.700	0.370	3.220	0.240	1.15	0.14	A
1	GB	2.620	0.262	1.850	0.139	1.42	0.18	W
1	MN 54	3.990	0.699	4.710	0.470	0.85	0.17	A
1	PU238	0.125	0.030	0.122	0.004	1.03	0.25	A
1	PU239	0.061	0.019	0.062	0.002	0.98	0.31	A
1	SB125	8.610	0.660	9.420	0.942	0.91	0.12	A
Matrix: SO								
1	AM241	3.650	1.250	3.200	0.754	1.14	0.47	A
1	CS137	301.000	32.700	266.000	3.560	1.13	0.12	A
1	K 40	432.000	61.400	384.000	27.800	1.13	0.18	A
1	PU238	2.130	0.960	32.000	0.567	0.07	0.03	N
1	PU239	2.740	1.120	6.760	0.440	0.41	0.17	N
1	SR 90	0.010	0.001	11.300	1.500	0.00	0.00	N
Matrix: VE								
1	AM241	1.370	0.645	0.702	0.048	1.95	0.93	W
1	CO 60	9.490	1.360	9.600	1.700	0.99	0.23	A
1	CS137	140.000	15.400	117.000	3.270	1.20	0.14	A
1	K 40	1210.000	170.000	1030.000	8.160	1.17	0.17	A
1	PU239	3.730	0.948	1.120	0.159	3.33	0.97	N
1	SR 90	469.000	69.000	512.000	52.500	0.92	0.16	A
Matrix: WA								
1	AM241	1.630	0.285	1.330	0.073	1.23	0.23	W
1	CO 60	220.000	22.500	196.000	3.490	1.12	0.12	W
1	CS134	74.200	6.000	83.500	1.800	0.89	0.07	A
1	CS137	89.200	14.800	76.800	2.280	1.16	0.20	W
1	GA	1610.000	161.000	1340.000	40.000	1.20	0.13	A
1	GB	958.000	95.800	653.000	19.300	1.47	0.15	W
1	H 3	55.500	5.600	60.300	2.310	0.92	0.10	A
1	MN 54	50.300	8.500	43.500	2.060	1.16	0.20	W
1	PU239	0.708	0.131	0.591	0.047	1.20	0.24	W
1	SR 90	2.130	0.400	2.400	0.225	0.89	0.19	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: WI								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	CE144	67.500	6.820	91.200	0.912	0.74	0.08	W
1	CO 57	10.100	0.775	12.700	0.127	0.80	0.06	A
1	CO 60	3.210	0.323	3.760	0.376	0.85	0.12	A
1	CS134	5.780	0.575	5.750	0.575	1.01	0.14	A
1	CS137	4.390	0.542	5.280	0.528	0.83	0.13	W
1	MN 54	3.880	0.516	4.710	0.470	0.82	0.14	W
1	SB125	8.720	0.720	9.420	0.942	0.93	0.12	A
Matrix: WA								
1	CO 60	212.000	16.000	196.000	3.490	1.08	0.08	A
1	CS134	93.700	5.690	83.500	1.800	1.12	0.07	A
1	CS137	84.900	9.290	76.800	2.280	1.11	0.13	A
1	MN 54	46.700	5.420	43.500	2.060	1.07	0.14	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: WN								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.154	0.004	0.177	0.003	0.87	0.03	A
1	CE144	59.600	5.800	91.200	0.912	0.65	0.06	W
1	CO 57	8.800	0.560	12.700	0.127	0.69	0.04	W
1	CO 60	2.740	0.230	3.760	0.376	0.73	0.10	W
1	CS134	5.160	0.400	5.750	0.575	0.90	0.11	A
1	CS137	4.140	0.330	5.280	0.528	0.78	0.10	W
1	MN 54	3.580	0.300	4.710	0.470	0.76	0.10	W
1	PU238	0.121	0.014	0.122	0.004	0.99	0.12	A
1	PU239	0.065	0.008	0.062	0.002	1.04	0.13	A
1	SB125	8.030	0.800	9.420	0.942	0.85	0.12	A
1	SR 90	0.827	0.106	0.739	0.054	1.12	0.17	A
1	U 234	0.059	0.010	0.059	0.002	1.00	0.17	A
1	U 238	0.002	0.001	0.002	0.000	1.10	0.43	A
Matrix: SO								
1	AM241	2.600	0.800	3.200	0.754	0.81	0.32	A
1	CS137	341.000	27.000	266.000	3.560	1.28	0.10	W
1	K 40	457.000	52.000	384.000	27.800	1.19	0.16	A
1	PU238	31.900	6.100	32.000	0.567	1.00	0.19	A
1	PU239	7.050	1.640	6.760	0.440	1.04	0.25	A
1	SR 90	12.300	4.600	11.300	1.500	1.09	0.43	A
1	U 234	40.200	8.700	30.300	1.790	1.33	0.30	N
1	U 238	41.800	10.100	31.600	1.270	1.32	0.32	W
Matrix: VE								
1	AM241	0.680	0.180	0.702	0.048	0.97	0.27	A
1	CO 60	7.350	0.820	9.600	1.700	0.77	0.16	W
1	CS137	127.000	10.000	117.000	3.270	1.09	0.09	A
1	K 40	1030.000	130.000	1030.000	8.160	1.00	0.13	A
1	PU238	0.113	0.037	0.089	0.019	1.27	0.50	W
1	PU239	1.210	0.290	1.120	0.159	1.08	0.30	A
1	SR 90	435.000	88.000	512.000	52.500	0.85	0.19	A
Matrix: WA								
1	CO 60	213.000	12.000	196.000	3.490	1.09	0.06	A
1	CS134	89.000	5.000	83.500	1.800	1.07	0.06	A
1	CS137	88.900	5.000	76.800	2.280	1.16	0.07	W
1	FE 55	146.000	28.000	119.000	5.820	1.23	0.24	W
1	GA	1250.000	540.000	1340.000	40.000	0.93	0.40	A
1	GB	786.000	127.000	653.000	19.300	1.20	0.20	A
1	H 3	47.600	11.700	60.300	2.310	0.79	0.20	W
1	MN 54	49.900	3.100	43.500	2.060	1.15	0.09	W
1	PU239	0.738	0.139	0.591	0.047	1.25	0.26	W
1	SR 90	2.200	0.500	2.400	0.225	0.92	0.23	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: WP

Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.170	0.033	0.177	0.003	0.96	0.19	A
1	CE144	57.700	5.900	91.200	0.912	0.63	0.07	W
1	CO 57	8.510	0.850	12.700	0.127	0.67	0.07	W
1	CO 60	2.990	0.300	3.760	0.376	0.80	0.11	W
1	CS134	4.550	0.440	5.750	0.575	0.79	0.11	A
1	CS137	4.890	0.480	5.280	0.528	0.93	0.13	A
1	MN 54	4.180	0.410	4.710	0.470	0.89	0.12	A
1	PU238	0.130	0.037	0.122	0.004	1.07	0.31	A
1	PU239	0.044	0.022	0.062	0.002	0.71	0.35	W
1	SB125	8.650	0.855	9.420	0.942	0.92	0.13	A
1	SR 90	0.740	0.074	0.739	0.054	1.00	0.12	A
Matrix: SO								
1	AM241	2.700	0.630	3.200	0.754	0.84	0.28	A
1	CS137	295.000	30.000	266.000	3.560	1.11	0.11	A
1	K 40	410.000	40.000	384.000	27.800	1.07	0.13	A
1	PU238	3.400	3.300	32.000	0.567	0.11	0.10	N
1	PU239	5.900	1.000	6.760	0.440	0.87	0.16	A
2	PU239	5.900	1.100	6.760	0.440	0.87	0.17	A
1	SR 90	11.000	2.200	11.300	1.500	0.97	0.23	A
Matrix: VE								
1	AM241	1.100	0.410	0.702	0.048	1.57	0.59	A
1	CO 60	10.300	2.000	9.600	1.700	1.07	0.28	A
1	CS137	160.000	16.000	117.000	3.270	1.37	0.14	W
1	K 40	1300.000	130.000	1030.000	8.160	1.26	0.13	W
1	PU239	0.670	0.440	1.120	0.159	0.60	0.40	W
1	SR 90	440.000	37.000	512.000	52.500	0.86	0.11	A
Matrix: WA								
1	AM241	1.300	0.190	1.330	0.073	0.98	0.15	A
1	CO 60	211.000	21.000	196.000	3.490	1.08	0.11	A
1	CS134	87.300	8.900	83.500	1.800	1.05	0.11	A
1	CS137	85.100	8.500	76.800	2.280	1.11	0.12	A
1	H 3	44.000	7.000	60.300	2.310	0.73	0.12	W
1	MN 54	45.300	4.400	43.500	2.060	1.04	0.11	A
1	PU239	0.560	0.150	0.591	0.047	0.95	0.27	A
1	SR 90	2.600	0.410	2.400	0.225	1.08	0.20	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: WS								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: SO								
1	CS137	223.000	0.000	266.000	3.560	0.84	0.01	A
1	K 40	357.000	0.000	384.000	27.800	0.93	0.07	A
1	U 238	42.000	0.000	31.600	1.270	1.33	0.05	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable .

Results by Laboratory

Labcode: WV								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	GA	3.100	6.000	3.220	0.240	0.96	1.86	A
1	GB	2.200	4.000	1.850	0.139	1.19	2.16	A
Matrix: WA								
1	CO 60	210.000	2.000	196.000	3.490	1.07	0.02	A
1	CS134	87.000	1.100	83.500	1.800	1.04	0.03	A
1	CS137	83.000	1.200	76.800	2.280	1.08	0.04	A
1	GA	1.500	2.500	1340.000	40.000	0.00	0.00	N
1	GB	9.500	1.700	653.000	19.300	0.02	0.00	N
1	H 3	52.000	3.700	60.300	2.310	0.86	0.07	A
1	MN 54	48.000	1.200	43.500	2.060	1.10	0.06	A
1	SR 90	3.100	0.410	2.400	0.225	1.29	0.21	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: YA

Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
Matrix: AI								
1	AM241	0.179	0.016	0.177	0.003	1.01	0.09	A
1	CE144	56.800	0.710	91.200	0.912	0.62	0.01	W
1	CO 57	8.340	0.088	12.700	0.127	0.66	0.01	W
1	CO 60	3.200	0.210	3.760	0.376	0.85	0.10	A
1	CS134	5.020	0.230	5.750	0.575	0.87	0.10	A
1	CS137	4.020	0.350	5.280	0.528	0.76	0.10	W
1	GA	3.410	0.011	3.220	0.240	1.06	0.08	A
1	GB	1.760	0.026	1.850	0.139	0.95	0.07	A
1	MN 54	3.500	0.240	4.710	0.470	0.74	0.09	W
1	PU238	0.137	0.004	0.122	0.004	1.12	0.05	A
1	PU239	0.065	0.003	0.062	0.002	1.04	0.06	A
1	SB125	7.680	0.180	9.420	0.942	0.82	0.08	A
1	SR 90	0.807	0.052	0.739	0.054	1.09	0.11	A
1	U 234	0.110	0.030	0.059	0.002	1.86	0.51	N
1	U 235	0.038	0.003	0.030	0.009	1.25	0.38	A
Matrix: SO								
1	AM241	2.130	0.042	3.200	0.754	0.67	0.16	W
1	CS137	294.000	3.700	266.000	3.560	1.11	0.02	A
1	K 40	434.000	11.000	384.000	27.800	1.13	0.09	A
1	PU238	33.800	1.600	32.000	0.567	1.06	0.05	A
1	PU239	7.050	0.320	6.760	0.440	1.04	0.08	A
1	SR 90	17.600	6.100	11.300	1.500	1.56	0.58	W
1	U 234	24.100	0.170	30.300	1.790	0.80	0.05	A
1	U 235	1.130	0.004	1.590	0.075	0.71	0.03	A
1	U 238	24.100	0.240	31.600	1.270	0.76	0.03	A
Matrix: VE								
1	AM241	0.631	0.026	0.702	0.048	0.90	0.07	A
1	CO 60	7.910	0.670	9.600	1.700	0.82	0.16	W
1	CS137	129.000	0.500	117.000	3.270	1.10	0.03	A
1	K 40	1120.000	20.000	1030.000	8.160	1.09	0.02	A
1	PU238	0.110	0.014	0.089	0.019	1.24	0.31	W
1	PU239	1.070	0.078	1.120	0.159	0.96	0.15	A
1	SR 90	475.000	21.000	512.000	52.500	0.93	0.10	A
Matrix: WA								
1	AM241	1.590	0.004	1.330	0.073	1.20	0.07	W
1	CO 60	200.000	1.000	196.000	3.490	1.02	0.02	A
1	CS134	84.400	1.300	83.500	1.800	1.01	0.03	A
1	CS137	80.600	1.800	76.800	2.280	1.05	0.04	A
1	FE 55	114.000	1.000	119.000	5.820	0.96	0.05	A
1	GA	1660.000	27.000	1340.000	40.000	1.24	0.04	W
1	GB	661.000	14.000	653.000	19.300	1.01	0.04	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Laboratory

Labcode: YA								
Test No.	Radio-Nuclide	Reported Value	Error	EML Value	EML Error	Reported EML	Ratio Error	Evaluation
1	H 3	36.200	3.200	60.300	2.310	0.60	0.06	N
1	MN 54	44.500	0.580	43.500	2.060	1.02	0.05	A
1	PU239	0.630	0.017	0.591	0.047	1.07	0.09	A
1	SR 90	2.100	0.088	2.400	0.225	0.88	0.09	A
1	U 234	0.376	0.011	0.373	0.013	1.01	0.05	A
1	U 235	0.236	0.020	0.196	0.006	1.20	0.11	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: AI
Radionuclide: AM241

EML Value: 0.177
EML Error: 0.003

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	0.177	0.003	1.00	0.02	A
AC	1	0.186	0.012	1.05	0.07	A
AG	1	0.156	0.010	0.88	0.06	A
AG	2	0.156	0.016	0.88	0.09	A
AM	1	0.360	0.060	2.03	0.34	N
AN	1	0.178	0.005	1.01	0.03	A
AR	1	0.149	0.023	0.84	0.13	A
AT	1	0.167	0.041	0.94	0.23	A
AU	1	0.145	0.013	0.82	0.07	A
AW	1	0.430	0.170	2.43	0.96	N
BE	1	0.177	0.005	1.00	0.03	A
BL	1	0.170	0.010	0.96	0.06	A
BL	2	0.190	0.020	1.07	0.12	A
BM	1	0.260	0.110	1.47	0.62	W
BS	1	0.280	0.030	1.58	0.17	W
BU	1	0.180	0.080	1.02	0.45	A
BX	1	1.570	0.000	8.87	0.16	N
CC	1	0.173	0.013	0.98	0.08	A
CH	1	0.201	0.044	1.14	0.25	A
CL	1	0.276	0.070	1.56	0.40	W
CP	1	0.211	0.038	1.19	0.22	A
CS	1	0.160	0.020	0.90	0.11	A
DC	1	0.201	0.000	1.14	0.02	A
EE	1	0.181	0.017	1.02	0.10	A
EL	1	0.120	0.010	0.68	0.06	W
ES	1	0.210	0.020	1.19	0.12	A
ET	1	0.221	0.025	1.25	0.14	W
FG	1	0.180	0.030	1.02	0.17	A
FL	1	0.195	0.055	1.10	0.31	A
FM	1	0.190	0.050	1.07	0.28	A
GA	1	0.210	0.000	1.19	0.02	A
GE	1	0.440	0.040	2.49	0.23	N
IE	1	0.181	0.055	1.02	0.31	A
IS	1	0.119	0.012	0.67	0.07	W
IT	1	0.157	0.010	0.89	0.06	A
LA	1	0.166	0.020	0.94	0.11	A
LA	2	0.175	0.020	0.99	0.11	A
LA	3	0.165	0.019	0.93	0.11	A
LH	1	0.165	0.020	0.93	0.11	A
ME	1	1.110	0.100	6.27	0.58	N
NA	1	0.170	0.020	0.96	0.11	A
OL	1	0.210	0.040	1.19	0.23	A
OR	1	0.190	0.020	1.07	0.12	A
OT	1	0.140	0.020	0.79	0.11	A
PC	1	0.270	0.110	1.53	0.62	W
RE	1	0.117	0.018	0.66	0.10	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: AI
Radionuclide: AM241

EML Value: 0.177
EML Error: 0.003

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
RF	1	0.174	0.021	0.98	0.12	A
RI	1	0.186	0.026	1.05	0.15	A
SW	1	0.060	0.010	0.34	0.06	N
TI	1	0.180	0.030	1.02	0.17	A
TM	1	0.183	0.010	1.03	0.06	A
TN	1	0.172	0.019	0.97	0.11	A
UC	1	0.380	0.019	2.15	0.11	N
UP	1	0.213	0.067	1.20	0.38	A
WA	1	0.171	0.021	0.97	0.12	A
WC	1	0.177	0.042	1.00	0.24	A
WN	1	0.154	0.004	0.87	0.03	A
WP	1	0.170	0.033	0.96	0.19	A
YA	1	0.179	0.016	1.01	0.09	A

Total Number Reported: 59

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: AI
Radionuclide: CE144

EML Value: 91.200
EML Error: 0.912

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	91.200	0.912	1.00	0.01	A
AC	1	55.600	1.200	0.61	0.01	W
AG	1	68.600	6.800	0.75	0.07	W
AG	2	68.600	6.900	0.75	0.08	W
AM	1	72.100	0.640	0.79	0.01	A
AN	1	70.300	1.250	0.77	0.02	W
AR	1	61.200	8.320	0.67	0.09	W
AT	1	76.500	37.600	0.84	0.41	A
AU	1	71.300	1.420	0.78	0.02	A
AW	1	92.900	13.900	1.02	0.15	A
BA	1	76.500	5.500	0.84	0.06	A
BE	1	69.600	7.950	0.76	0.09	W
BL	1	71.500	1.800	0.78	0.02	A
BM	1	74.500	5.200	0.82	0.06	A
BN	1	76.000	17.100	0.83	0.19	A
BR	1	56.600	2.920	0.62	0.03	W
BS	1	64.800	0.300	0.71	0.01	W
BU	1	101.000	5.000	1.11	0.06	A
BX	1	67.700	0.000	0.74	0.01	W
CA	1	59.900	2.600	0.66	0.03	W
CC	1	58.800	1.600	0.65	0.02	W
CH	1	56.000	1.370	0.61	0.02	W
CL	1	52.800	4.790	0.58	0.05	N
CP	1	77.400	7.000	0.85	0.08	A
CS	1	44.300	1.900	0.49	0.02	N
DC	1	88.000	0.000	0.97	0.01	A
EE	1	68.800	8.870	0.75	0.10	W
EG	1	64.000	5.000	0.70	0.06	W
EL	1	81.900	6.100	0.90	0.07	A
EP	1	86.900	12.900	0.95	0.14	A
ES	1	63.800	0.930	0.70	0.01	W
ET	1	58.500	2.860	0.64	0.03	W
FG	1	89.600	2.400	0.98	0.03	A
FL	1	58.800	0.300	0.65	0.01	W
FM	1	66.900	1.080	0.73	0.01	W
FN	1	72.800	7.400	0.80	0.08	A
GA	1	64.700	0.000	0.71	0.01	W
GE	1	61.800	10.100	0.68	0.11	W
HI	1	74.900	0.800	0.82	0.01	A
ID	1	94.000	6.000	1.03	0.07	A
IN	1	63.400	9.900	0.70	0.11	W
IS	1	61.600	3.080	0.68	0.03	W
IT	1	59.500	1.440	0.65	0.02	W
LA	1	47.800	3.590	0.52	0.04	N
LA	2	46.800	3.520	0.51	0.04	N
LA	3	47.600	3.650	0.52	0.04	N

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: AI
Radionuclide: CE144

EML Value: 91.200
EML Error: 0.912

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
LB	1	45.000	6.000	0.49	0.07	N
LH	1	61.400	11.000	0.67	0.12	W
LL	1	67.900	1.800	0.75	0.02	W
LM	1	130.000	2.900	1.43	0.03	N
ME	1	76.500	6.660	0.84	0.07	A
NA	1	114.000	0.520	1.25	0.01	W
NC	1	85.000	1.700	0.93	0.02	A
NL	1	61.000	1.000	0.67	0.01	W
OD	1	53.400	1.980	0.59	0.02	W
OI	1	165.000	1.000	1.81	0.02	N
OL	1	62.600	6.500	0.69	0.07	W
OR	1	70.000	1.000	0.77	0.01	W
OS	1	88.400	4.150	0.97	0.05	A
OT	1	76.000	1.000	0.83	0.01	A
PC	1	70.000	9.500	0.77	0.10	W
RE	1	67.000	7.170	0.74	0.08	W
RI	1	57.400	2.000	0.63	0.02	W
SA	1	99.400	9.000	1.09	0.10	A
SK	1	78.100	7.200	0.86	0.08	A
SR	1	50.800	2.500	0.56	0.03	N
SS	1	72.000	7.000	0.79	0.08	A
SW	1	65.300	1.100	0.72	0.01	W
TI	1	53.300	5.300	0.58	0.06	N
TM	1	67.400	2.220	0.74	0.03	W
TN	1	60.400	0.115	0.66	0.01	W
UK	1	4.770	0.480	0.05	0.01	N
UP	1	49.900	7.070	0.55	0.08	N
WA	1	75.200	1.500	0.83	0.02	A
WC	1	58.300	5.800	0.64	0.06	W
WI	1	67.500	6.820	0.74	0.08	W
WN	1	59.600	5.800	0.65	0.06	W
WP	1	57.700	5.900	0.63	0.07	W
YA	1	56.800	0.710	0.62	0.01	W

Total Number Reported: 79

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: AI
Radionuclide: CO 57

EML Value: 12.700
EML Error: 0.127

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	12.700	0.127	1.00	0.01	A
AC	1	8.440	0.460	0.67	0.04	W
AG	1	8.760	0.880	0.69	0.07	W
AM	1	9.370	0.080	0.74	0.01	W
AN	1	10.100	0.130	0.80	0.01	A
AR	1	8.930	0.640	0.70	0.05	W
AT	1	13.600	6.190	1.07	0.49	A
AU	1	10.000	0.200	0.79	0.02	A
AW	1	13.700	2.100	1.08	0.17	A
BA	1	10.800	0.640	0.85	0.05	A
BE	1	9.880	0.870	0.78	0.07	W
BL	1	10.300	0.300	0.81	0.03	A
BM	1	10.700	0.700	0.84	0.06	A
BN	1	11.300	3.060	0.89	0.24	A
BR	1	8.830	0.450	0.70	0.04	W
BS	1	9.190	0.040	0.72	0.01	W
BU	1	13.000	1.000	1.02	0.08	A
BX	1	9.810	0.000	0.77	0.01	W
CA	1	8.400	0.300	0.66	0.02	W
CC	1	8.710	0.270	0.69	0.02	W
CH	1	8.190	0.231	0.65	0.02	W
CL	1	9.340	0.420	0.74	0.03	W
CP	1	11.200	1.000	0.88	0.08	A
CS	1	7.050	0.230	0.56	0.02	N
DC	1	11.300	0.000	0.89	0.01	A
EE	1	9.950	0.955	0.78	0.08	W
EG	1	10.100	0.700	0.80	0.06	A
EL	1	12.100	0.600	0.95	0.05	A
EP	1	12.600	0.999	0.99	0.08	A
ES	1	9.360	0.130	0.74	0.01	W
ET	1	8.120	0.314	0.64	0.03	W
FG	1	12.500	0.500	0.98	0.04	A
FL	1	8.570	0.110	0.68	0.01	W
FM	1	9.260	0.150	0.73	0.01	W
FN	1	10.000	0.600	0.79	0.05	A
GA	1	9.270	0.000	0.73	0.01	W
GE	1	8.920	0.870	0.70	0.07	W
HI	1	12.200	0.160	0.96	0.02	A
ID	1	13.400	0.700	1.05	0.06	A
IE	1	10.900	0.280	0.86	0.02	A
IN	1	9.090	0.670	0.72	0.05	W
IS	1	9.020	0.630	0.71	0.05	W
IT	1	8.480	0.210	0.67	0.02	W
LA	1	8.970	0.660	0.71	0.05	W
LA	2	8.860	0.660	0.70	0.05	W
LA	3	8.910	0.670	0.70	0.05	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: AI
Radionuclide: CO 57

EML Value: 12.700
EML Error: 0.127

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
LB	1	6.400	1.000	0.50	0.08	N
LH	1	9.010	1.880	0.71	0.15	W
LL	1	10.000	0.330	0.79	0.03	A
LM	1	18.000	0.450	1.42	0.04	W
ME	1	11.500	0.310	0.91	0.03	A
MI	1	8.020	0.265	0.63	0.02	N
NA	1	16.000	0.070	1.26	0.01	W
NC	1	12.000	0.200	0.95	0.02	A
NL	1	8.500	0.400	0.67	0.03	W
OD	1	8.650	0.310	0.68	0.03	W
OL	1	9.640	0.560	0.76	0.04	W
OR	1	10.000	1.000	0.79	0.08	A
OS	1	12.800	0.590	1.01	0.05	A
OT	1	10.000	1.000	0.79	0.08	A
PC	1	10.000	0.840	0.79	0.07	A
RE	1	9.360	1.050	0.74	0.08	W
RI	1	8.340	0.360	0.66	0.03	W
SA	1	14.400	0.140	1.13	0.02	A
SK	1	10.900	1.200	0.86	0.09	A
SR	1	7.200	0.500	0.57	0.04	N
SS	1	10.300	1.000	0.81	0.08	A
SW	1	9.490	1.700	0.75	0.13	W
TI	1	7.900	0.800	0.62	0.06	N
TM	1	10.400	0.354	0.82	0.03	A
TN	1	9.440	0.139	0.74	0.01	W
UK	1	5.510	0.140	0.43	0.01	N
UP	1	7.050	0.418	0.56	0.03	N
WA	1	10.900	0.200	0.86	0.02	A
WC	1	8.550	0.970	0.67	0.08	W
WI	1	10.100	0.775	0.80	0.06	A
WN	1	8.800	0.560	0.69	0.04	W
WP	1	8.510	0.850	0.67	0.07	W
YA	1	8.340	0.088	0.66	0.01	W

Total Number Reported: 79

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: AI
Radionuclide: CO 60

EML Value: 3.760
EML Error: 0.376

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	3.760	0.376	1.00	0.14	A
AC	1	3.040	0.220	0.81	0.10	W
AG	1	2.940	0.290	0.78	0.11	W
AM	1	3.020	0.130	0.80	0.09	W
AN	1	3.390	0.099	0.90	0.09	A
AR	1	2.960	0.300	0.79	0.11	W
AT	1	4.130	0.270	1.10	0.13	A
AU	1	3.200	0.460	0.85	0.15	A
AW	1	3.800	0.600	1.01	0.19	A
BA	1	3.680	0.200	0.98	0.11	A
BE	1	3.570	0.495	0.95	0.16	A
BL	1	3.200	0.200	0.85	0.10	A
BM	1	3.200	0.220	0.85	0.10	A
BN	1	3.370	1.210	0.90	0.33	A
BR	1	5.160	0.840	1.37	0.26	N
BS	1	2.910	0.140	0.77	0.09	W
BU	1	3.500	0.300	0.93	0.12	A
BX	1	2.890	0.000	0.77	0.08	W
CA	1	2.800	0.300	0.75	0.11	W
CC	1	2.810	0.130	0.75	0.08	W
CH	1	2.810	0.229	0.75	0.10	W
CL	1	3.360	0.330	0.89	0.13	A
CP	1	3.530	0.430	0.94	0.15	A
CS	1	2.600	0.120	0.69	0.08	N
DC	1	3.400	0.000	0.90	0.09	A
EE	1	3.270	0.289	0.87	0.12	A
EG	1	3.300	0.300	0.88	0.12	A
EL	1	3.400	0.200	0.90	0.11	A
EP	1	4.030	0.333	1.07	0.14	A
ES	1	3.060	0.120	0.81	0.09	W
ET	1	2.860	0.113	0.76	0.08	W
FG	1	3.480	0.380	0.93	0.14	A
FL	1	2.830	0.080	0.75	0.08	W
FM	1	3.170	0.080	0.84	0.09	A
FN	1	3.280	0.220	0.87	0.11	A
GA	1	2.890	0.000	0.77	0.08	W
GE	1	2.860	0.380	0.76	0.13	W
HI	1	2.640	0.150	0.70	0.08	N
ID	1	3.700	0.200	0.98	0.11	A
IE	1	3.620	0.300	0.96	0.13	A
IN	1	2.960	0.290	0.79	0.11	W
IS	1	3.010	0.210	0.80	0.10	W
IT	1	2.830	0.170	0.75	0.09	W
LA	1	3.030	0.250	0.81	0.10	W
LA	2	3.000	0.250	0.80	0.10	W
LA	3	2.990	0.260	0.80	0.11	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: AI
Radionuclide: CO 60

EML Value: 3.760
EML Error: 0.376

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
LB	1	3.000	1.500	0.80	0.41	W
LH	1	2.820	0.620	0.75	0.18	W
LL	1	3.340	0.100	0.89	0.09	A
LM	1	6.900	0.780	1.84	0.28	N
ME	1	3.250	0.090	0.86	0.09	A
MI	1	2.780	0.105	0.74	0.08	W
NA	1	4.510	0.060	1.20	0.12	W
NC	1	3.560	0.160	0.95	0.10	A
NL	1	2.800	0.100	0.75	0.08	W
OD	1	2.940	0.130	0.78	0.09	W
OI	1	6.200	0.100	1.65	0.17	N
OL	1	3.110	0.170	0.83	0.09	A
OR	1	3.400	0.300	0.90	0.12	A
OS	1	2.930	0.080	0.78	0.08	W
OT	1	3.400	0.200	0.90	0.11	A
PC	1	3.400	0.340	0.90	0.13	A
RE	1	3.420	0.516	0.91	0.17	A
RI	1	3.300	0.320	0.88	0.12	A
SA	1	4.100	0.400	1.09	0.15	A
SK	1	3.200	0.200	0.85	0.10	A
SR	1	2.600	0.200	0.69	0.09	N
SS	1	3.600	0.400	0.96	0.14	A
SW	1	3.150	0.140	0.84	0.09	A
TI	1	3.200	0.300	0.85	0.12	A
TM	1	3.220	0.251	0.86	0.11	A
TN	1	3.330	0.166	0.89	0.10	A
TO	1	4.530	0.200	1.21	0.13	W
UC	1	3.220	0.055	0.86	0.09	A
UK	1	1.900	0.083	0.51	0.06	N
UP	1	2.100	0.698	0.56	0.19	N
WA	1	3.440	0.150	0.92	0.10	A
WC	1	3.040	0.330	0.81	0.12	W
WI	1	3.210	0.323	0.85	0.12	A
WN	1	2.740	0.230	0.73	0.10	W
WP	1	2.990	0.300	0.80	0.11	W
YA	1	3.200	0.210	0.85	0.10	A

Total Number Reported: 82

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: AI
Radionuclide: CS134

EML Value: 5.750
EML Error: 0.575

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	5.750	0.575	1.00	0.14	A
AC	1	5.480	0.240	0.95	0.10	A
AG	1	4.980	0.500	0.87	0.12	A
AM	1	4.090	0.100	0.71	0.07	W
AN	1	5.470	0.122	0.95	0.10	A
AR	1	4.650	0.450	0.81	0.11	A
AT	1	6.180	0.300	1.08	0.12	A
AU	1	5.250	0.300	0.91	0.11	A
AW	1	5.800	0.900	1.01	0.19	A
BA	1	5.680	0.320	0.99	0.11	A
BE	1	4.800	0.485	0.84	0.12	A
BL	1	5.390	0.250	0.94	0.10	A
BM	1	5.800	0.410	1.01	0.12	A
BN	1	5.300	0.600	0.92	0.14	A
BR	1	4.770	0.570	0.83	0.13	A
BS	1	5.300	0.130	0.92	0.09	A
BU	1	5.400	0.700	0.94	0.15	A
BX	1	5.220	0.000	0.91	0.09	A
CA	1	5.300	0.300	0.92	0.11	A
CC	1	4.750	0.200	0.83	0.09	A
CH	1	4.420	0.239	0.77	0.09	A
CL	1	4.960	0.450	0.86	0.12	A
CP	1	5.540	0.730	0.96	0.16	A
CS	1	3.530	0.130	0.61	0.07	N
DC	1	5.330	0.000	0.93	0.09	A
EE	1	4.770	1.110	0.83	0.21	A
EG	1	5.600	0.400	0.97	0.12	A
EL	1	5.200	0.300	0.90	0.10	A
EP	1	6.400	0.629	1.11	0.16	W
ES	1	4.610	0.110	0.80	0.08	A
ET	1	4.670	0.158	0.81	0.09	A
FG	1	5.560	0.460	0.97	0.13	A
FL	1	4.330	0.040	0.75	0.08	A
FM	1	4.770	0.080	0.83	0.08	A
FN	1	4.850	0.620	0.84	0.14	A
GA	1	5.360	0.000	0.93	0.09	A
GE	1	4.650	0.590	0.81	0.13	A
HI	1	5.030	0.150	0.88	0.09	A
HR	1	0.000	0.200	0.00	0.08	N
ID	1	6.400	0.300	1.11	0.12	W
IE	1	4.870	0.210	0.85	0.09	A
IN	1	5.240	0.520	0.91	0.13	A
IS	1	5.190	0.250	0.90	0.10	A
IT	1	4.530	0.021	0.79	0.08	A
LA	1	4.920	0.400	0.86	0.11	A
LA	2	4.860	0.380	0.85	0.11	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: AI
Radionuclide: CS134

EML Value: 5.750
EML Error: 0.575

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
LA	3	4.860	0.390	0.85	0.11	A
LB	1	5.600	2.100	0.97	0.38	A
LH	1	4.270	0.800	0.74	0.16	W
LL	1	5.810	0.130	1.01	0.10	A
LM	1	8.800	0.510	1.53	0.18	N
LM	2	100.000	5.300	17.40	1.97	N
ME	1	4.660	0.100	0.81	0.08	A
MI	1	5.110	0.167	0.89	0.09	A
NA	1	7.200	0.060	1.25	0.13	N
NC	1	4.840	0.220	0.84	0.09	A
NL	1	4.400	0.100	0.77	0.08	A
OD	1	4.740	0.170	0.82	0.09	A
OI	1	10.900	0.100	1.90	0.19	N
OL	1	4.380	0.300	0.76	0.09	A
OR	1	5.100	0.200	0.89	0.10	A
OS	1	4.810	0.110	0.84	0.09	A
OT	1	5.300	0.200	0.92	0.10	A
PC	1	5.400	0.420	0.94	0.12	A
RE	1	6.020	0.753	1.05	0.17	A
RI	1	5.190	0.280	0.90	0.10	A
SA	1	6.300	0.600	1.10	0.15	W
SK	1	6.100	0.800	1.06	0.18	A
SR	1	4.200	0.600	0.73	0.13	W
SS	1	5.100	0.500	0.89	0.12	A
SW	1	5.100	0.150	0.89	0.09	A
TI	1	4.700	0.500	0.82	0.12	A
TM	1	5.290	0.256	0.92	0.10	A
TN	1	6.760	0.334	1.18	0.13	W
TO	1	5.900	0.606	1.03	0.15	A
UK	1	0.330	0.067	0.06	0.01	N
UP	1	3.860	0.514	0.67	0.11	W
WA	1	5.070	0.150	0.88	0.09	A
WC	1	4.380	0.400	0.76	0.10	A
WI	1	5.780	0.575	1.01	0.14	A
WN	1	5.160	0.400	0.90	0.11	A
WP	1	4.550	0.440	0.79	0.11	A
YA	1	5.020	0.230	0.87	0.10	A

Total Number Reported: 83

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: AI
Radionuclide: CS137

EML Value: 5.280
EML Error: 0.528

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	5.280	0.528	1.00	0.14	A
AC	1	4.700	0.260	0.89	0.10	A
AG	1	4.330	0.430	0.82	0.12	W
AM	1	4.460	0.160	0.85	0.09	A
AN	1	4.780	0.139	0.91	0.09	A
AR	1	4.320	0.360	0.82	0.11	W
AT	1	6.090	0.190	1.15	0.12	A
AU	1	4.820	0.390	0.91	0.12	A
AW	1	5.600	0.800	1.06	0.19	A
BA	1	5.460	0.410	1.03	0.13	A
BC	1	4.960	0.000	0.94	0.09	A
BE	1	5.200	0.660	0.99	0.16	A
BL	1	4.460	0.200	0.85	0.09	A
BM	1	5.080	0.360	0.96	0.12	A
BN	1	5.200	0.350	0.99	0.12	A
BR	1	4.960	0.770	0.94	0.17	A
BS	1	4.410	0.090	0.84	0.09	W
BU	1	5.300	0.500	1.00	0.14	A
BX	1	4.550	0.000	0.86	0.09	A
CA	1	4.400	0.600	0.83	0.14	W
CC	1	4.270	0.190	0.81	0.09	W
CH	1	3.980	0.222	0.75	0.09	W
CL	1	4.860	0.550	0.92	0.14	A
CP	1	5.230	0.680	0.99	0.16	A
CS	1	3.340	0.180	0.63	0.07	N
DC	1	5.570	0.000	1.05	0.11	A
EE	1	4.830	0.773	0.92	0.17	A
EG	1	4.600	0.300	0.87	0.10	A
EL	1	4.290	0.300	0.81	0.10	W
EP	1	5.620	0.481	1.06	0.14	A
ES	1	4.460	0.160	0.85	0.09	A
ET	1	3.840	0.206	0.73	0.08	W
FG	1	5.110	0.490	0.97	0.13	A
FL	1	4.480	0.100	0.85	0.09	A
FM	1	4.640	0.120	0.88	0.09	A
FN	1	4.250	0.370	0.81	0.11	W
GA	1	4.660	0.000	0.88	0.09	A
GE	1	4.220	0.560	0.80	0.13	W
HI	1	4.340	0.160	0.82	0.09	W
HR	1	6.500	0.200	1.23	0.13	W
ID	1	6.100	0.300	1.16	0.13	A
IE	1	4.350	0.240	0.82	0.09	W
IN	1	4.160	0.370	0.79	0.11	W
IS	1	4.400	0.220	0.83	0.09	W
IT	1	4.160	0.190	0.79	0.09	W
LA	1	4.890	0.400	0.93	0.12	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: AI
Radionuclide: CS137

EML Value: 5.280
EML Error: 0.528

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
LA	2	4.710	0.380	0.89	0.12	A
LA	3	4.770	0.410	0.90	0.12	A
LB	1	4.400	1.600	0.83	0.31	W
LH	1	4.510	1.130	0.85	0.23	A
LL	1	4.920	0.180	0.93	0.10	A
LM	1	8.600	0.610	1.63	0.20	N
ME	1	4.920	0.160	0.93	0.10	A
MI	1	3.870	0.182	0.73	0.08	W
NA	1	7.190	0.080	1.36	0.14	N
NC	1	4.830	0.190	0.92	0.10	A
NL	1	3.900	0.100	0.74	0.08	W
OD	1	4.320	0.270	0.82	0.10	W
OI	1	10.100	0.200	1.91	0.20	N
OL	1	4.600	0.220	0.87	0.10	A
OR	1	5.200	0.300	0.99	0.11	A
OS	1	4.700	0.260	0.89	0.10	A
OT	1	5.200	0.200	0.99	0.11	A
PC	1	4.400	0.530	0.83	0.13	W
RE	1	4.980	0.672	0.94	0.16	A
RI	1	3.740	0.540	0.71	0.12	W
SA	1	6.000	0.600	1.14	0.16	A
SK	1	4.400	0.200	0.83	0.09	W
SR	1	3.500	0.600	0.66	0.13	N
SS	1	5.300	0.500	1.00	0.14	A
SW	1	4.290	0.230	0.81	0.09	W
TI	1	4.900	0.500	0.93	0.13	A
TM	1	4.380	0.272	0.83	0.10	W
TN	1	4.490	0.181	0.85	0.09	A
TO	1	6.100	0.464	1.16	0.15	A
UC	1	5.350	0.048	1.01	0.10	A
UK	1	2.930	0.130	0.56	0.06	N
UP	1	3.240	0.708	0.61	0.15	N
WA	1	5.300	0.220	1.00	0.11	A
WC	1	4.500	0.760	0.85	0.17	A
WI	1	4.390	0.542	0.83	0.13	W
WN	1	4.140	0.330	0.78	0.10	W
WP	1	4.890	0.480	0.93	0.13	A
YA	1	4.020	0.350	0.76	0.10	W

Total Number Reported: 84

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: AI
Radionuclide: GA

EML Value: 3.220
EML Error: 0.240

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	3.220	0.240	1.00	0.11	A
AG	1	3.680	0.400	1.14	0.15	A
AM	1	3.990	0.120	1.24	0.10	W
AN	1	4.260	0.210	1.32	0.12	W
AR	1	4.550	0.110	1.41	0.11	W
BC	1	3.540	0.000	1.10	0.08	A
BE	1	3.130	0.000	0.97	0.07	A
BN	1	3.870	0.310	1.20	0.13	A
BX	1	3.620	0.000	1.12	0.08	A
CA	1	3.100	0.100	0.96	0.08	A
CH	1	3.570	0.090	1.11	0.09	A
CP	1	3.870	0.080	1.20	0.09	A
CS	1	3.810	0.090	1.18	0.09	A
DC	1	3.690	0.000	1.15	0.09	A
EG	1	4.000	0.300	1.24	0.13	W
ES	1	7.740	1.340	2.40	0.45	N
ET	1	3.220	0.028	1.00	0.08	A
FG	1	4.000	0.130	1.24	0.10	W
FL	1	3.820	0.130	1.19	0.10	A
GA	1	3.120	0.190	0.97	0.09	A
GE	1	6.130	0.076	1.90	0.14	N
HC	1	4.800	0.300	1.49	0.15	W
HI	1	3.260	0.100	1.01	0.08	A
ID	1	4.200	0.200	1.30	0.12	W
IE	1	3.660	0.030	1.14	0.09	A
IR	1	4.870	0.000	1.51	0.11	N
IS	1	5.190	0.510	1.61	0.20	N
IT	1	4.110	0.210	1.28	0.12	W
KA	1	4.410	0.110	1.37	0.11	W
LA	2	3.700	0.740	1.15	0.25	A
LA	3	3.700	0.740	1.15	0.25	A
LA	3	3.700	0.740	1.15	0.25	A
LB	1	3.900	0.500	1.21	0.18	W
LH	1	5.410	0.290	1.68	0.15	N
LM	1	4.100	0.400	1.27	0.16	W
ME	1	131.000	2.000	40.70	3.10	N
ML	1	3.240	0.260	1.01	0.11	A
OB	1	2.070	0.200	0.64	0.08	W
OT	1	3.300	0.100	1.03	0.08	A
PA	1	3.460	0.053	1.08	0.08	A
RF	1	1.980	0.590	0.62	0.19	W
SC	1	3.700	0.000	1.15	0.09	A
SC	2	3.700	0.030	1.15	0.09	A
SR	1	3.640	0.200	1.13	0.11	A
SW	1	3.390	0.078	1.05	0.08	A
TI	1	3.500	0.100	1.09	0.09	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: AI
Radionuclide: GA

EML Value: 3.220
EML Error: 0.240

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
TN	1	4.110	0.070	1.28	0.10	W
TO	1	4.700	0.054	1.46	0.11	W
TY	1	3.800	1.200	1.18	0.38	A
UC	1	3.800	0.130	1.18	0.10	A
UY	1	3.900	0.200	1.21	0.11	W
WA	1	3.450	0.090	1.07	0.08	A
WC	1	3.700	0.370	1.15	0.14	A
WV	1	3.100	6.000	0.96	1.86	A
YA	1	3.410	0.011	1.06	0.08	A

Total Number Reported: 55

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: AI
Radionuclide: GB

EML Value: 1.850
EML Error: 0.139

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	1.850	0.139	1.00	0.11	A
AG	1	2.360	0.240	1.28	0.16	W
AM	1	2.360	0.230	1.28	0.16	W
AN	1	1.920	0.100	1.04	0.09	A
AR	1	1.750	0.050	0.95	0.08	A
BC	1	3.570	0.000	1.93	0.15	N
BE	1	2.010	0.000	1.09	0.08	A
BN	1	2.970	0.120	1.61	0.14	N
BX	1	3.660	0.000	1.98	0.15	N
CA	1	1.700	0.100	0.92	0.09	A
CH	1	1.390	0.065	0.75	0.07	W
CP	1	2.340	0.080	1.27	0.10	W
CS	1	3.600	0.080	1.95	0.15	N
DC	1	1.720	0.000	0.93	0.07	A
EG	1	2.800	0.400	1.51	0.24	N
ES	1	2.890	0.500	1.56	0.30	N
ET	1	1.560	0.017	0.84	0.06	A
FG	1	1.000	0.120	0.54	0.08	W
FL	1	2.510	0.050	1.36	0.11	W
GA	1	2.390	0.150	1.29	0.13	W
GE	1	2.440	0.037	1.32	0.10	W
HC	1	2.600	0.200	1.41	0.15	W
HI	1	1.720	0.320	0.93	0.19	A
ID	1	1.800	0.100	0.97	0.09	A
IE	1	1.690	0.020	0.91	0.07	A
IR	1	1.640	0.000	0.89	0.07	A
IS	1	1.770	0.170	0.96	0.12	A
IT	1	1.640	0.080	0.89	0.08	A
KA	1	2.460	0.060	1.33	0.11	W
LA	2	2.220	0.296	1.20	0.18	A
LA	3	2.180	0.296	1.18	0.18	A
LA	3	2.260	0.296	1.22	0.18	W
LB	1	2.200	0.400	1.19	0.23	A
LH	1	2.020	0.110	1.09	0.10	A
LM	1	0.340	0.030	0.18	0.02	N
ME	1	66.000	1.200	35.70	2.76	N
ML	1	1.160	0.080	0.63	0.06	W
OB	1	1.650	0.200	0.89	0.13	A
OT	1	2.100	0.100	1.14	0.10	A
PA	1	2.470	0.045	1.34	0.10	W
RF	1	1.040	0.250	0.56	0.14	W
SC	1	1.730	0.000	0.94	0.07	A
SC	2	1.730	0.030	0.94	0.07	A
SR	1	1.990	0.070	1.08	0.09	A
SW	1	1.410	0.064	0.76	0.07	W
TI	1	1.900	0.100	1.03	0.09	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: AI
Radionuclide: GB

EML Value: 1.850
EML Error: 0.139

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
TN	1	1.800	0.056	0.97	0.08	A
TO	1	2.570	0.046	1.39	0.11	W
TY	1	2.000	0.200	1.08	0.14	A
UC	1	1.600	0.050	0.87	0.07	A
UY	1	2.600	0.300	1.41	0.19	W
WA	1	2.530	0.060	1.37	0.11	W
WC	1	2.620	0.262	1.42	0.18	W
WV	1	2.200	4.000	1.19	2.16	A
YA	1	1.760	0.026	0.95	0.07	A

Total Number Reported: 55

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: AI
Radionuclide: MN 54

EML Value: 4.710
EML Error: 0.470

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	4.710	0.470	1.00	0.14	A
AC	1	3.770	0.200	0.80	0.09	W
AG	1	3.640	0.360	0.77	0.11	W
AM	1	3.860	0.160	0.82	0.09	W
AN	1	4.150	0.094	0.88	0.09	A
AR	1	3.800	0.330	0.81	0.11	W
AT	1	5.530	0.380	1.17	0.14	A
AU	1	4.510	0.380	0.96	0.13	A
AW	1	5.100	0.800	1.08	0.20	A
BA	1	4.470	0.440	0.95	0.13	A
BE	1	4.880	0.640	1.04	0.17	A
BL	1	4.070	0.200	0.86	0.10	A
BM	1	4.310	0.300	0.92	0.11	A
BN	1	4.700	0.920	1.00	0.22	A
BR	1	4.520	0.870	0.96	0.21	A
BS	1	4.260	0.130	0.90	0.09	A
BU	1	4.700	0.300	1.00	0.12	A
BX	1	3.850	0.000	0.82	0.08	W
CA	1	3.600	0.100	0.76	0.08	W
CC	1	3.740	0.180	0.79	0.09	W
CH	1	3.560	0.224	0.76	0.09	W
CL	1	4.220	0.510	0.90	0.14	A
CP	1	4.710	0.780	1.00	0.19	A
CS	1	4.010	0.200	0.85	0.10	A
DC	1	4.630	0.000	0.98	0.10	A
EE	1	4.460	0.494	0.95	0.14	A
EG	1	4.100	0.300	0.87	0.11	A
EL	1	4.980	0.200	1.06	0.11	A
EP	1	5.200	0.661	1.10	0.18	A
ES	1	3.980	0.170	0.85	0.09	A
ET	1	3.600	0.216	0.76	0.09	W
FG	1	4.500	0.460	0.96	0.14	A
FL	1	3.910	0.070	0.83	0.08	W
FM	1	4.150	0.130	0.88	0.09	A
FN	1	4.270	0.380	0.91	0.12	A
GA	1	3.730	0.000	0.79	0.08	W
GE	1	3.840	0.520	0.82	0.14	W
HI	1	3.590	0.160	0.76	0.08	W
ID	1	4.800	0.300	1.02	0.12	A
IE	1	3.750	0.240	0.80	0.09	W
IN	1	3.740	0.340	0.79	0.11	W
IS	1	3.780	0.260	0.80	0.10	W
IT	1	3.830	0.180	0.81	0.09	W
LA	1	4.240	0.350	0.90	0.12	A
LA	2	4.060	0.340	0.86	0.11	A
LA	3	4.200	0.360	0.89	0.12	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: AI
Radionuclide: MN 54

EML Value: 4.710
EML Error: 0.470

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
LB	1	3.700	1.500	0.79	0.33	W
LH	1	4.410	1.770	0.94	0.39	A
LL	1	4.140	0.183	0.88	0.10	A
LM	1	7.600	0.670	1.61	0.22	N
ME	1	6.920	0.140	1.47	0.15	N
MI	1	3.500	0.192	0.74	0.08	W
NA	1	6.310	0.080	1.34	0.14	W
NC	1	4.330	0.210	0.92	0.10	A
NL	1	3.700	0.100	0.79	0.08	W
OD	1	3.760	0.280	0.80	0.10	W
OI	1	8.500	0.200	1.81	0.19	N
OL	1	4.100	0.280	0.87	0.11	A
OR	1	4.300	0.300	0.91	0.11	A
OS	1	4.070	0.110	0.86	0.09	A
OT	1	4.500	0.300	0.96	0.12	A
PC	1	4.000	0.490	0.85	0.13	A
RE	1	4.020	0.583	0.85	0.15	A
RI	1	4.070	0.440	0.86	0.13	A
SA	1	5.300	0.500	1.13	0.16	A
SK	1	3.700	0.200	0.79	0.09	W
SR	1	3.100	0.500	0.66	0.13	N
SS	1	4.700	0.500	1.00	0.15	A
SW	1	3.910	0.210	0.83	0.09	W
TI	1	3.400	0.300	0.72	0.10	N
TM	1	4.400	0.290	0.93	0.11	A
TN	1	4.280	0.184	0.91	0.10	A
TO	1	5.240	0.422	1.11	0.14	A
UK	1	2.780	0.140	0.59	0.07	N
UP	1	3.600	0.602	0.76	0.15	W
WA	1	4.850	0.220	1.03	0.11	A
WC	1	3.990	0.699	0.85	0.17	A
WI	1	3.880	0.516	0.82	0.14	W
WN	1	3.580	0.300	0.76	0.10	W
WP	1	4.180	0.410	0.89	0.12	A
YA	1	3.500	0.240	0.74	0.09	W

Total Number Reported: 81

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: AI
Radionuclide: PU238

EML Value: 0.122
EML Error: 0.004

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	0.122	0.004	1.00	0.05	A
AC	1	0.115	0.009	0.94	0.08	A
AG	1	0.104	0.010	0.85	0.09	A
AN	1	0.059	0.007	0.48	0.06	W
AR	1	0.125	0.022	1.03	0.18	A
AT	1	0.123	0.040	1.01	0.33	A
AU	1	0.109	0.012	0.89	0.10	A
BA	1	0.120	0.020	0.98	0.17	A
BE	1	0.119	0.005	0.98	0.05	A
BL	1	0.120	0.010	0.98	0.09	A
BL	2	0.130	0.010	1.07	0.09	A
BM	1	0.114	0.012	0.93	0.10	A
BU	1	0.108	0.008	0.89	0.07	A
BX	1	0.127	0.000	1.04	0.04	A
CC	1	0.123	0.010	1.01	0.09	A
CH	1	0.134	0.024	1.10	0.20	A
CL	1	0.126	0.080	1.03	0.66	A
DC	1	0.124	0.000	1.02	0.03	A
EE	1	0.117	0.013	0.96	0.11	A
EP	1	0.128	0.014	1.05	0.12	A
ES	1	0.090	0.050	0.74	0.41	A
ET	1	0.122	0.011	1.00	0.10	A
FL	1	0.113	0.003	0.93	0.04	A
GA	1	0.110	0.000	0.90	0.03	A
GE	1	0.140	0.020	1.15	0.17	W
IE	1	0.137	0.033	1.12	0.27	A
IS	1	0.116	0.024	0.95	0.20	A
IT	1	0.127	0.008	1.04	0.07	A
LA	1	0.129	0.015	1.06	0.13	A
LA	2	0.116	0.014	0.95	0.12	A
LA	3	0.104	0.013	0.85	0.11	A
LH	1	0.153	0.022	1.25	0.19	W
LL	1	0.116	0.019	0.95	0.16	A
ML	1	0.125	0.006	1.03	0.06	A
NA	1	0.110	0.010	0.90	0.09	A
NL	1	0.120	0.010	0.98	0.09	A
OR	1	0.130	0.010	1.07	0.09	A
OT	1	0.120	0.020	0.98	0.17	A
PC	1	0.130	0.022	1.07	0.18	A
PI	2	0.122	0.010	1.00	0.09	A
RE	1	0.073	0.014	0.60	0.11	W
RF	1	0.119	0.012	0.98	0.10	A
SR	1	0.063	0.003	0.52	0.03	W
SW	1	0.240	0.030	1.97	0.26	N
TI	1	0.120	0.030	0.98	0.25	A
TM	1	0.117	0.007	0.96	0.06	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: AI
Radionuclide: PU238

EML Value: 0.122
EML Error: 0.004

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
TN	1	0.131	0.008	1.07	0.07	A
UP	1	0.105	0.036	0.86	0.30	A
WA	1	0.122	0.020	1.00	0.17	A
WC	1	0.125	0.030	1.03	0.25	A
WN	1	0.121	0.014	0.99	0.12	A
WP	1	0.130	0.037	1.07	0.31	A
YA	1	0.137	0.004	1.12	0.05	A

Total Number Reported: 53

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: AI
Radionuclide: PU239

EML Value: 0.062
EML Error: 0.002

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	0.062	0.002	1.00	0.04	A
AC	1	0.068	0.006	1.09	0.10	A
AG	1	0.060	0.006	0.96	0.10	A
AG	2	0.060	0.009	0.96	0.15	A
AM	1	0.360	0.060	5.78	0.98	N
AN	1	0.032	0.004	0.51	0.07	N
AR	1	0.068	0.016	1.09	0.26	A
AT	1	0.056	0.025	0.90	0.40	A
AU	1	0.058	0.009	0.94	0.15	A
BA	1	0.051	0.014	0.82	0.23	A
BE	1	0.068	0.004	1.09	0.07	A
BL	1	0.070	0.010	1.12	0.16	A
BL	2	0.070	0.010	1.12	0.16	A
BM	1	0.059	0.007	0.95	0.12	A
BU	1	0.056	0.004	0.90	0.07	A
BX	1	0.055	0.000	0.88	0.03	A
CC	1	0.060	0.006	0.96	0.10	A
CH	1	0.085	0.020	1.37	0.33	W
CL	1	0.124	0.040	1.99	0.65	N
DC	1	0.058	0.000	0.93	0.03	A
EE	1	0.062	0.008	1.00	0.14	A
EP	1	0.068	0.008	1.08	0.13	A
ES	1	0.060	0.020	0.96	0.32	A
ET	1	0.063	0.007	1.01	0.12	A
FL	1	0.062	0.002	1.00	0.05	A
GA	1	0.059	0.000	0.95	0.03	A
GE	1	0.070	0.010	1.12	0.16	A
IE	1	0.096	0.027	1.54	0.44	W
IS	1	0.072	0.017	1.16	0.28	W
IT	1	0.054	0.004	0.87	0.07	A
LA	1	0.073	0.009	1.17	0.15	W
LA	2	0.078	0.010	1.25	0.17	W
LA	3	0.074	0.010	1.19	0.17	W
LH	1	0.088	0.016	1.41	0.26	W
LL	1	0.060	0.012	0.96	0.19	A
ME	1	0.200	0.030	3.21	0.49	N
ML	1	0.067	0.005	1.08	0.08	A
NA	1	0.070	0.010	1.12	0.16	A
NL	1	0.064	0.005	1.03	0.09	A
OR	1	0.065	0.009	1.04	0.15	A
OT	1	0.070	0.013	1.12	0.21	A
PA	1	0.100	0.010	1.61	0.17	N
PB	1	0.110	0.050	1.77	0.80	N
PC	1	0.067	0.016	1.08	0.26	A
PI	2	0.062	0.007	0.99	0.11	A
RE	1	0.070	0.013	1.12	0.21	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: AI
Radionuclide: PU239

EML Value: 0.062
EML Error: 0.002

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
RF	1	0.060	0.006	0.97	0.10	A
SR	1	0.033	0.002	0.53	0.04	N
SW	1	0.160	0.020	2.57	0.33	N
TI	1	0.045	0.017	0.72	0.27	W
TM	1	0.059	0.004	0.95	0.08	A
TN	1	0.058	0.005	0.92	0.08	A
UP	1	0.232	0.059	3.72	0.95	N
WA	1	0.066	0.014	1.06	0.23	A
WC	1	0.061	0.019	0.98	0.31	A
WN	1	0.065	0.008	1.04	0.13	A
WP	1	0.044	0.022	0.71	0.35	W
YA	1	0.065	0.003	1.04	0.06	A

Total Number Reported: 58

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: AI
Radionuclide: SB125

EML Value: 9.420
EML Error: 0.942

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	9.420	0.942	1.00	0.14	A
AC	1	8.370	0.920	0.89	0.13	A
AG	1	7.840	0.780	0.83	0.12	A
AM	1	6.130	0.280	0.65	0.07	W
AN	1	8.610	0.247	0.91	0.10	A
AR	1	8.140	0.780	0.86	0.12	A
AT	1	10.200	0.320	1.08	0.11	A
AU	1	8.290	0.960	0.88	0.14	A
AW	1	9.400	1.400	1.00	0.18	A
BA	1	10.000	0.580	1.06	0.12	A
BE	1	3.000	0.920	0.32	0.10	N
BL	1	8.330	0.590	0.88	0.11	A
BM	1	8.840	0.620	0.94	0.12	A
BN	1	9.330	1.170	0.99	0.16	A
BR	1	9.560	1.930	1.02	0.23	A
BS	1	7.300	0.170	0.78	0.08	W
BX	1	8.580	0.000	0.91	0.09	A
CA	1	8.200	0.400	0.87	0.10	A
CC	1	3.780	0.330	0.40	0.05	N
CH	1	7.670	0.552	0.81	0.10	A
CL	1	10.000	1.460	1.06	0.19	A
CP	1	10.400	1.300	1.10	0.18	A
CS	1	6.040	0.190	0.64	0.07	W
DC	1	8.170	0.000	0.87	0.09	A
EE	1	9.070	1.020	0.96	0.15	A
EG	1	9.500	0.700	1.01	0.13	A
EL	1	3.880	0.200	0.41	0.05	N
EP	1	10.400	1.520	1.10	0.20	A
ES	1	7.780	0.250	0.83	0.09	A
ET	1	7.850	0.239	0.83	0.09	A
FG	1	9.280	0.800	0.99	0.13	A
FL	1	8.400	0.100	0.89	0.09	A
FM	1	8.280	0.150	0.88	0.09	A
FN	1	9.630	0.560	1.02	0.12	A
GA	1	8.310	0.000	0.88	0.09	A
GE	1	6.360	0.860	0.68	0.11	W
HI	1	5.010	0.860	0.53	0.11	W
ID	1	11.000	0.600	1.17	0.13	A
IN	1	8.640	0.920	0.92	0.13	A
IS	1	7.770	0.540	0.83	0.10	A
IT	1	8.430	0.250	0.90	0.09	A
LA	1	9.020	0.750	0.96	0.13	A
LA	2	8.980	0.750	0.95	0.12	A
LA	3	8.770	0.770	0.93	0.12	A
LB	1	6.800	1.700	0.72	0.19	W
LH	1	7.940	1.720	0.84	0.20	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: AI
Radionuclide: SB125

EML Value: 9.420
EML Error: 0.942

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
LL	1	8.060	0.310	0.86	0.09	A
LM	1	14.000	1.300	1.49	0.20	W
ME	1	8.070	0.100	0.86	0.09	A
NA	1	14.000	0.170	1.49	0.15	W
NC	1	9.080	0.360	0.96	0.10	A
NL	1	2.200	0.400	0.23	0.05	N
OD	1	7.640	0.310	0.81	0.09	A
OL	1	8.260	0.820	0.88	0.12	A
OR	1	10.300	0.800	1.09	0.14	A
OS	1	9.220	0.370	0.98	0.11	A
OT	1	9.700	0.900	1.03	0.14	A
PC	1	9.000	0.600	0.96	0.12	A
RE	1	9.400	1.410	1.00	0.18	A
RI	1	4.850	0.830	0.52	0.10	W
SA	1	11.400	1.100	1.21	0.17	W
SK	1	8.500	0.600	0.90	0.11	A
SR	1	6.900	1.000	0.73	0.13	W
SS	1	9.300	0.900	0.99	0.14	A
SW	1	8.380	0.340	0.89	0.10	A
TI	1	7.700	1.000	0.82	0.13	A
TM	1	9.250	0.609	0.98	0.12	A
TN	1	9.190	0.522	0.98	0.11	A
TO	1	11.600	0.704	1.23	0.14	W
WA	1	10.300	0.400	1.09	0.12	A
WC	1	8.610	0.660	0.91	0.12	A
WI	1	8.720	0.720	0.93	0.12	A
WN	1	8.030	0.800	0.85	0.12	A
WP	1	8.650	0.855	0.92	0.13	A
YA	1	7.680	0.180	0.82	0.08	A

Total Number Reported: 75

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: AI
Radionuclide: SR 90

EML Value: 0.739
EML Error: 0.054

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	0.739	0.054	1.00	0.10	A
AC	1	0.790	0.010	1.07	0.08	A
AG	1	0.737	0.035	1.00	0.09	A
AG	2	0.737	0.074	1.00	0.12	A
AG	2	0.737	0.074	1.00	0.12	A
AN	1	0.786	0.014	1.06	0.08	A
AR	1	0.807	0.099	1.09	0.16	A
BA	1	0.780	0.130	1.05	0.19	A
BC	1	0.770	0.000	1.04	0.08	A
BE	1	0.762	0.093	1.03	0.15	A
BL	1	0.620	0.320	0.84	0.44	A
BM	1	0.700	0.110	0.95	0.16	A
BU	1	0.940	0.090	1.27	0.15	A
BX	1	0.903	0.000	1.22	0.09	A
CC	1	0.780	0.040	1.05	0.09	A
CH	1	0.792	0.127	1.07	0.19	A
CL	1	0.930	0.490	1.26	0.67	A
CP	1	1.150	0.290	1.56	0.41	W
DC	1	0.670	0.000	0.91	0.07	A
EE	1	0.981	0.228	1.33	0.32	A
EL	1	1.140	0.100	1.54	0.18	W
ES	1	3.550	0.620	4.80	0.91	N
ET	1	0.618	0.031	0.84	0.07	A
GE	1	0.640	0.030	0.87	0.07	A
HR	1	1.000	0.100	1.35	0.17	A
IS	1	0.363	0.037	0.49	0.06	N
IT	1	0.384	0.047	0.52	0.07	N
LA	1	0.770	0.160	1.04	0.23	A
LA	2	0.900	0.140	1.22	0.21	A
LA	3	0.890	0.140	1.20	0.21	A
LH	1	0.810	0.100	1.10	0.16	A
NA	1	0.730	0.010	0.99	0.07	A
OI	1	1.230	0.070	1.66	0.15	W
OR	1	0.780	0.060	1.05	0.11	A
OT	1	0.810	0.120	1.10	0.18	A
PC	1	0.680	0.093	0.92	0.14	A
RE	1	0.868	0.087	1.17	0.15	A
RI	1	0.829	0.208	1.12	0.29	A
SW	1	3.440	0.270	4.66	0.50	N
TI	1	0.770	0.150	1.04	0.22	A
TM	1	0.875	0.109	1.18	0.17	A
TY	1	0.720	0.100	0.97	0.15	A
UP	1	0.707	0.205	0.96	0.29	A
WA	1	0.910	0.150	1.23	0.22	A
WN	1	0.827	0.106	1.12	0.17	A
WP	1	0.740	0.074	1.00	0.12	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: AI
Radionuclide: SR 90

EML Value: 0.739
EML Error: 0.054

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
YA	1	0.807	0.052	1.09	0.11	A

Total Number Reported: 47

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: AI
Radionuclide: U 234

EML Value: 0.059
EML Error: 0.002

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	0.059	0.002	1.00	0.04	A
AG	1	0.104	0.010	1.76	0.18	N
AN	1	0.070	0.004	1.19	0.08	A
AR	1	0.069	0.015	1.17	0.26	A
AT	1	0.052	0.024	0.88	0.41	A
BC	1	0.074	0.000	1.25	0.03	A
BE	1	0.067	0.003	1.14	0.06	A
BL	1	0.030	0.000	0.51	0.01	N
BM	1	0.069	0.008	1.17	0.14	A
BX	1	0.083	0.000	1.40	0.04	W
CC	1	0.069	0.006	1.17	0.11	A
CH	1	0.063	0.012	1.07	0.21	A
CL	1	0.124	0.010	2.10	0.18	N
DC	1	0.094	0.000	1.59	0.04	W
EL	1	0.720	0.040	12.20	0.75	N
ES	1	0.110	0.020	1.86	0.34	N
GE	1	0.130	0.020	2.20	0.34	N
IE	1	0.070	0.118	1.19	2.00	A
IS	1	0.101	0.054	1.71	0.92	W
LH	1	0.064	0.014	1.09	0.24	A
ML	1	0.068	0.004	1.15	0.07	A
NA	1	0.120	0.010	2.03	0.18	N
NJ	1	0.075	0.007	1.27	0.12	A
PA	1	0.080	0.010	1.36	0.17	W
PB	1	0.090	0.040	1.53	0.68	W
PC	1	0.064	0.012	1.09	0.21	A
RE	1	0.051	0.009	0.87	0.16	W
RF	1	0.071	0.014	1.20	0.24	A
TM	1	0.065	0.005	1.10	0.09	A
WA	1	0.085	0.011	1.44	0.19	W
WN	1	0.059	0.010	1.00	0.17	A
YA	1	0.110	0.030	1.86	0.51	N

Total Number Reported: 32

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: AI
Radionuclide: U 235

EML Value: 0.030
EML Error: 0.009

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	0.030	0.009	1.00	0.42	A
AN	1	0.042	0.002	1.39	0.42	W
CC	1	0.039	0.003	1.29	0.40	W
ML	1	0.041	0.001	1.34	0.40	W
NA	1	0.030	0.010	0.99	0.44	A
NJ	1	0.034	0.004	1.12	0.36	A
WA	1	0.027	0.006	0.89	0.33	A
YA	1	0.038	0.003	1.25	0.38	A

Total Number Reported: 8

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: AI
Radionuclide: U 238

EML Value: 0.002
EML Error: 0.000

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	0.002	0.000	1.00	0.14	A
AG	1	0.045	0.005	22.50	3.36	N
AM	1	0.110	0.110	55.00	55.30	N
AR	1	0.019	0.008	9.35	4.01	N
AT	1	0.005	0.009	2.60	4.51	N
BL	1	0.029	0.000	14.50	1.45	N
BM	1	0.003	0.001	1.70	0.67	W
CC	1	0.004	0.001	2.00	0.54	N
CH	1	0.032	0.086	15.90	43.20	N
CL	1	0.038	0.004	19.00	2.76	N
DC	1	0.019	0.000	9.65	0.97	N
EL	1	0.100	0.010	50.00	7.07	N
GE	1	0.006	0.003	3.00	1.53	N
IE	1	0.008	0.013	3.95	6.61	N
IR	1	1.400	0.070	700.00	78.30	N
IS	1	0.020	0.005	9.85	2.78	N
LH	1	0.011	0.006	5.50	3.05	N
NA	1	0.035	0.010	17.50	5.30	N
NJ	1	0.008	0.001	3.75	0.55	N
PA	1	0.020	0.010	10.00	5.10	N
PB	1	0.028	0.020	14.00	10.10	N
PC	1	0.005	0.004	2.40	1.82	N
RE	1	0.007	0.002	3.38	1.27	N
RF	1	0.004	0.002	1.85	0.92	W
TM	1	0.005	0.001	2.41	0.61	N
WA	1	0.030	0.007	15.00	3.81	N
WN	1	0.002	0.001	1.10	0.43	A

Total Number Reported: 27

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: AI
Radionuclide: U BQ

EML Value: 0.091
EML Error: 0.005

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	0.091	0.005	1.00	0.08	A
AU	1	0.074	0.008	0.81	0.10	A
BL	1	0.059	0.001	0.65	0.04	W
BL	2	0.059	0.000	0.65	0.04	W
BU	1	0.099	0.008	1.09	0.11	A
CL	1	0.164	0.020	1.80	0.24	N
DC	1	13.000	0.000	143.00	7.85	N
ES	1	0.160	0.030	1.76	0.34	N
GA	1	0.098	0.000	1.08	0.06	A
OI	1	0.160	0.020	1.76	0.24	N
OR	1	0.100	0.020	1.10	0.23	A
OT	1	0.130	0.040	1.43	0.45	W
TI	1	0.510	0.080	5.60	0.93	N
WA	1	0.150	0.010	1.65	0.14	N

Total Number Reported: 14

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: AI
Radionuclide: U UG

EML Value: 0.538
EML Error: 0.021

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	0.538	0.021	1.00	0.06	A
AG	1	0.570	0.050	1.06	0.10	A
AG	2	0.570	0.030	1.06	0.07	A
AR	1	1.040	0.100	1.93	0.20	N
BL	1	2.370	0.000	4.41	0.17	N
CC	1	0.800	0.110	1.49	0.21	W
EL	1	3.100	0.200	5.76	0.43	N
ES	1	0.600	0.000	1.12	0.04	A
ET	1	0.452	0.007	0.84	0.04	A
GE	1	0.800	0.010	1.49	0.06	W
HR	1	1.000	1.000	1.86	1.86	N
IS	1	0.696	0.073	1.29	0.15	W

Total Number Reported: 12

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: SO
Radionuclide: AM241

EML Value: 3.200
EML Error: 0.754

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	3.200	0.754	1.00	0.33	A
AC	1	3.000	0.700	0.94	0.31	A
AE	1	2.380	0.320	0.74	0.20	A
AG	1	2.860	0.290	0.89	0.23	A
AM	1	3.150	0.920	0.98	0.37	A
AN	1	2.370	0.120	0.74	0.18	A
AR	1	2.920	0.980	0.91	0.37	A
AT	1	4.170	0.840	1.30	0.40	A
AU	1	1.500	1.200	0.47	0.39	W
BE	1	2.610	0.407	0.82	0.23	A
BL	1	3.080	0.010	0.96	0.23	A
BM	1	2.300	0.900	0.72	0.33	W
BS	1	3.170	0.650	0.99	0.31	A
CC	1	2.520	0.170	0.79	0.19	A
CL	1	5.330	1.400	1.67	0.59	W
CP	1	6.580	1.290	2.06	0.63	W
DC	1	0.004	0.000	0.00	0.00	N
EB	1	1.670	0.182	0.52	0.14	W
EE	1	2.550	0.932	0.80	0.35	A
EG	1	2.720	0.280	0.85	0.22	A
EL	1	1.760	0.300	0.55	0.16	W
ES	1	2.960	1.330	0.93	0.47	A
ET	1	2.620	0.783	0.82	0.31	A
FG	1	3.300	0.900	1.03	0.37	A
FL	1	2.500	0.400	0.78	0.22	A
GA	1	2.220	0.000	0.69	0.16	W
GE	1	4.060	1.850	1.27	0.65	A
HA	1	5.600	0.600	1.75	0.45	W
HL	1	2.850	1.060	0.89	0.39	A
IE	1	3.110	0.690	0.97	0.32	A
IN	1	2.380	0.480	0.74	0.23	A
IS	1	2.900	0.800	0.91	0.33	A
IT	1	2.530	0.220	0.79	0.20	A
LA	1	3.100	0.200	0.97	0.24	A
LA	2	3.100	0.200	0.97	0.24	A
LA	3	2.600	0.200	0.81	0.20	A
LH	1	1.990	0.860	0.62	0.31	W
MA	1	3.300	1.900	1.03	0.64	A
ME	1	3.100	0.700	0.97	0.32	A
NA	1	4.600	1.800	1.44	0.66	A
NJ	1	3.500	0.600	1.09	0.32	A
OT	1	3.700	1.000	1.16	0.42	A
PC	1	7.500	3.500	2.34	1.23	N
RE	1	2.130	0.488	0.67	0.22	W
RF	1	3.020	0.230	0.94	0.23	A
RG	1	3.530	0.490	1.10	0.30	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: SO
Radionuclide: AM241

EML Value: 3.200
EML Error: 0.754

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
TI	1	3.700	1.200	1.16	0.46	A
TM	1	2.420	0.250	0.76	0.20	A
TN	1	2.720	0.983	0.85	0.37	A
UY	1	2.200	1.200	0.69	0.41	W
WA	1	2.420	0.220	0.76	0.19	A
WC	1	3.650	1.250	1.14	0.47	A
WN	1	2.600	0.800	0.81	0.32	A
WP	1	2.700	0.630	0.84	0.28	A
YA	1	2.130	0.042	0.67	0.16	W

Total Number Reported: 55

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: SO
Radionuclide: CS137

EML Value: 266.000
EML Error: 3.560

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	266.000	3.560	1.00	0.02	A
AC	1	333.000	3.000	1.25	0.02	A
AE	1	284.000	16.000	1.07	0.06	A
AG	1	272.000	9.000	1.02	0.04	A
AG	2	272.000	27.000	1.02	0.10	A
AM	1	323.000	3.860	1.21	0.02	A
AN	1	291.000	6.600	1.09	0.03	A
AR	1	290.000	14.000	1.09	0.05	A
AT	1	320.000	13.000	1.20	0.05	A
AU	1	298.000	2.700	1.12	0.02	A
AW	1	103.000	20.700	0.39	0.08	N
BA	1	285.000	27.000	1.07	0.10	A
BC	1	268.000	0.000	1.01	0.01	A
BE	1	320.000	29.600	1.20	0.11	A
BL	1	276.000	7.000	1.04	0.03	A
BM	1	226.000	5.000	0.85	0.02	A
BN	1	302.000	34.200	1.14	0.13	A
BP	1	320.000	17.000	1.20	0.07	A
BQ	1	271.000	9.000	1.02	0.04	A
BR	1	313.000	11.300	1.18	0.05	A
BS	1	272.000	1.350	1.02	0.01	A
BU	1	360.000	20.000	1.35	0.08	W
BX	1	271.000	0.000	1.02	0.01	A
CC	1	304.000	10.000	1.14	0.04	A
CH	1	281.000	4.070	1.06	0.02	A
CL	1	330.000	18.600	1.24	0.07	A
CP	1	316.000	33.000	1.19	0.13	A
CS	1	58.800	2.580	0.22	0.01	N
DC	1	310.000	0.000	1.17	0.02	A
EE	1	282.000	13.500	1.06	0.05	A
EG	1	294.000	22.000	1.11	0.08	A
EL	1	233.000	8.000	0.88	0.03	A
ES	1	301.000	5.140	1.13	0.02	A
ET	1	292.000	15.100	1.10	0.06	A
FG	1	317.000	3.400	1.19	0.02	A
FL	1	269.000	10.000	1.01	0.04	A
FN	1	291.000	29.000	1.09	0.11	A
FS	1	270.000	2.000	1.02	0.02	A
GA	1	281.000	0.000	1.06	0.01	A
GE	1	293.000	2.500	1.10	0.02	A
HA	1	300.000	30.000	1.13	0.11	A
HI	1	274.000	19.000	1.03	0.07	A
HL	1	248.000	31.000	0.93	0.12	A
HR	1	263.000	30.000	0.99	0.11	A
ID	1	307.000	15.000	1.15	0.06	A
IE	1	298.000	3.220	1.12	0.02	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: SO
Radionuclide: CS137

EML Value: 266.000
EML Error: 3.560

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
IN	1	279.000	20.700	1.05	0.08	A
IS	1	256.000	18.000	0.96	0.07	A
IT	1	312.000	3.250	1.17	0.02	A
KA	1	311.000	21.000	1.17	0.08	A
LA	1	223.000	20.000	0.84	0.08	A
LA	2	223.000	20.000	0.84	0.08	A
LA	3	243.000	21.000	0.91	0.08	A
LB	1	226.000	10.000	0.85	0.04	A
LH	1	338.000	51.000	1.27	0.19	W
LL	1	300.000	6.400	1.13	0.03	A
LW	1	299.000	12.000	1.12	0.05	A
MA	1	340.000	10.000	1.28	0.04	W
ME	1	409.000	2.700	1.54	0.02	N
ML	1	286.000	4.400	1.08	0.02	A
NA	1	304.000	1.800	1.14	0.02	A
NC	1	256.000	3.800	0.96	0.02	A
NJ	1	300.000	10.000	1.13	0.04	A
NL	1	330.000	6.000	1.24	0.03	A
OI	1	162.000	1.000	0.61	0.01	N
OL	1	304.000	7.800	1.14	0.03	A
OR	1	330.000	20.000	1.24	0.08	A
OS	1	253.000	6.000	0.95	0.03	A
OT	1	290.000	10.000	1.09	0.04	A
PC	1	306.000	46.000	1.15	0.17	A
RE	1	234.000	20.600	0.88	0.08	A
RI	1	302.000	9.000	1.14	0.04	A
SC	1	221.000	2.000	0.83	0.01	A
SK	1	322.000	8.000	1.21	0.03	A
SR	1	299.000	10.000	1.12	0.04	A
SS	1	328.000	16.000	1.23	0.06	A
SW	1	291.000	18.900	1.09	0.07	A
TI	1	319.000	32.000	1.20	0.12	A
TM	1	210.000	6.870	0.79	0.03	W
TN	1	251.000	7.000	0.94	0.03	A
TO	1	306.000	19.600	1.15	0.08	A
UC	1	273.000	1.970	1.03	0.02	A
UK	1	264.000	3.800	0.99	0.02	A
UY	1	52.000	32.000	0.20	0.12	N
WA	1	290.000	19.000	1.09	0.07	A
WC	1	301.000	32.700	1.13	0.12	A
WN	1	341.000	27.000	1.28	0.10	W
WP	1	295.000	30.000	1.11	0.11	A
WS	1	223.000	0.000	0.84	0.01	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: SO
Radionuclide: CS137

EML Value: 266.000
EML Error: 3.560

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
YA	1	294.000	3.700	1.11	0.02	A

Total Number Reported: 90

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: SO
Radionuclide: K 40

EML Value: 384.000
EML Error: 27.800

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	384.000	27.800	1.00	0.10	A
AC	1	447.000	13.000	1.16	0.09	A
AE	1	326.000	50.000	0.85	0.14	A
AG	1	395.000	28.000	1.03	0.10	A
AG	2	395.000	39.000	1.03	0.13	A
AM	1	439.000	24.100	1.14	0.10	A
AN	1	420.000	11.400	1.09	0.08	A
AR	1	364.000	34.000	0.95	0.11	A
AT	1	432.000	19.000	1.13	0.10	A
AU	1	429.000	45.000	1.12	0.14	A
BC	1	337.000	0.000	0.88	0.06	A
BE	1	288.000	41.100	0.75	0.12	W
BL	1	398.000	19.000	1.04	0.09	A
BM	1	277.000	31.000	0.72	0.10	W
BN	1	378.000	15.000	0.98	0.08	A
BP	1	423.000	20.000	1.10	0.10	A
BQ	1	292.000	140.000	0.76	0.37	W
BR	1	406.000	37.300	1.06	0.12	A
BS	1	370.000	8.960	0.96	0.07	A
BU	1	480.000	40.000	1.25	0.14	A
BX	1	336.000	0.000	0.88	0.06	A
CC	1	395.000	25.000	1.03	0.10	A
CH	1	396.000	22.000	1.03	0.09	A
CL	1	747.000	109.000	1.95	0.32	N
CP	1	623.000	120.000	1.62	0.33	N
CS	1	111.000	4.890	0.29	0.02	N
DC	1	347.000	0.000	0.90	0.07	A
EE	1	393.000	17.600	1.02	0.09	A
EG	1	352.000	33.000	0.92	0.11	A
EL	1	350.000	17.000	0.91	0.08	A
ES	1	418.000	27.600	1.09	0.11	A
ET	1	428.000	26.000	1.12	0.11	A
FG	1	477.000	11.600	1.24	0.09	A
FL	1	371.000	17.000	0.97	0.08	A
FN	1	418.000	45.000	1.09	0.14	A
FS	1	395.000	7.400	1.03	0.08	A
GA	1	448.000	0.000	1.17	0.08	A
GE	1	475.000	13.600	1.24	0.10	A
HA	1	2220.000	518.000	5.78	1.41	N
HI	1	356.000	30.000	0.93	0.10	A
HL	1	417.000	57.000	1.09	0.17	A
ID	1	432.000	27.000	1.13	0.11	A
IE	1	425.000	17.900	1.11	0.09	A
IN	1	436.000	164.000	1.14	0.44	A
IS	1	389.000	27.000	1.01	0.10	A
IT	1	404.000	10.900	1.05	0.08	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: SO
Radionuclide: K 40

EML Value: 384.000
EML Error: 27.800

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
KA	1	418.000	43.000	1.09	0.14	A
LA	1	328.000	43.000	0.85	0.13	A
LA	2	355.000	46.000	0.92	0.14	A
LA	3	367.000	47.000	0.96	0.14	A
LB	1	569.000	42.000	1.48	0.15	W
LH	1	472.000	112.000	1.23	0.31	A
LL	1	387.000	26.000	1.01	0.10	A
LW	1	402.000	56.000	1.05	0.16	A
MA	1	407.000	37.000	1.06	0.12	A
ME	1	564.000	10.800	1.47	0.11	W
ML	1	533.000	32.300	1.39	0.13	W
NA	1	434.000	9.400	1.13	0.09	A
NJ	1	380.000	10.000	0.99	0.08	A
NL	1	500.000	40.000	1.30	0.14	W
OI	1	207.000	7.000	0.54	0.04	N
OL	1	449.000	23.000	1.17	0.10	A
OR	1	520.000	100.000	1.35	0.28	W
OS	1	332.000	6.000	0.87	0.06	A
OT	1	380.000	50.000	0.99	0.15	A
PC	1	377.000	72.000	0.98	0.20	A
RE	1	332.000	44.200	0.87	0.13	A
RI	1	421.000	93.000	1.10	0.26	A
SC	1	397.000	9.000	1.03	0.08	A
SK	1	423.000	30.000	1.10	0.11	A
SR	1	393.000	41.000	1.02	0.13	A
SS	1	478.000	28.000	1.25	0.12	A
SW	1	393.000	124.000	1.02	0.33	A
TI	1	444.000	44.000	1.16	0.14	A
TM	1	289.000	27.100	0.75	0.09	W
TN	1	384.000	39.600	1.00	0.13	A
TO	1	406.000	31.800	1.06	0.11	A
UC	1	449.000	10.900	1.17	0.09	A
UK	1	361.000	20.000	0.94	0.09	A
WA	1	418.000	30.000	1.09	0.11	A
WC	1	432.000	61.400	1.13	0.18	A
WN	1	457.000	52.000	1.19	0.16	A
WP	1	410.000	40.000	1.07	0.13	A
WS	1	357.000	0.000	0.93	0.07	A
YA	1	434.000	11.000	1.13	0.09	A

Total Number Reported: 85

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: SO
Radionuclide: PU238

EML Value: 32.000
EML Error: 0.567

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	32.000	0.567	1.00	0.03	A
AC	1	33.700	3.300	1.05	0.11	A
AE	1	32.800	1.900	1.03	0.06	A
AG	1	32.500	2.500	1.02	0.08	A
AG	2	32.500	3.200	1.02	0.10	A
AM	1	874.000	513.000	27.30	16.00	N
AN	1	32.300	1.380	1.01	0.05	A
AR	1	32.100	3.600	1.00	0.11	A
AT	1	45.700	5.900	1.43	0.19	N
AU	1	43.000	0.140	1.34	0.02	W
BE	1	31.200	2.210	0.98	0.07	A
BL	1	31.300	1.400	0.98	0.05	A
BM	1	27.700	2.500	0.87	0.08	A
BM	2	31.400	3.900	0.98	0.12	A
BU	1	32.000	2.000	1.00	0.07	A
BX	1	25.500	0.000	0.80	0.01	A
CC	1	30.200	1.300	0.94	0.04	A
CH	1	34.000	2.000	1.06	0.07	A
CL	1	38.100	10.300	1.19	0.32	W
DC	1	0.031	0.000	0.00	0.00	N
EB	1	26.300	0.000	0.82	0.01	A
EE	1	31.200	1.900	0.98	0.06	A
EG	1	36.900	2.300	1.15	0.07	W
EP	1	31.900	2.500	1.00	0.08	A
ES	1	31.900	3.850	1.00	0.12	A
ET	1	36.600	2.260	1.14	0.07	A
FG	1	8.100	0.500	0.25	0.02	W
FL	1	33.500	1.250	1.05	0.04	A
FS	1	30.400	0.400	0.95	0.02	A
FS	2	30.200	1.000	0.94	0.04	A
FS	3	31.400	1.500	0.98	0.05	A
GA	1	32.700	0.000	1.02	0.02	A
GE	1	32.600	2.850	1.02	0.09	A
HA	1	30.000	3.000	0.94	0.10	A
ID	1	31.000	3.000	0.97	0.10	A
IE	1	29.700	3.440	0.93	0.11	A
IN	1	32.800	4.900	1.03	0.15	A
IS	1	26.700	3.900	0.83	0.12	A
IT	1	32.200	0.955	1.01	0.03	A
KA	1	29.400	3.660	0.92	0.12	A
LA	1	35.000	1.000	1.09	0.04	A
LA	2	29.000	1.000	0.91	0.04	A
LA	3	32.000	1.000	1.00	0.04	A
LH	1	31.900	3.200	1.00	0.10	A
LL	1	31.600	2.240	0.99	0.07	A
ML	1	34.700	1.780	1.08	0.06	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: SO
Radionuclide: PU238

EML Value: 32.000
EML Error: 0.567

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
NA	1	32.700	2.900	1.02	0.09	A
NL	1	30.000	2.000	0.94	0.06	A
OB	1	4.000	0.400	0.13	0.01	N
OR	1	15.000	1.000	0.47	0.03	W
OT	1	28.000	2.000	0.88	0.06	A
PC	1	37.000	5.200	1.16	0.16	W
PI	1	34.100	3.400	1.07	0.11	A
RE	1	18.700	5.620	0.58	0.18	A
RF	1	32.700	3.480	1.02	0.11	A
RG	1	33.300	1.590	1.04	0.05	A
RI	1	32.200	1.500	1.01	0.05	A
SC	1	22.000	0.200	0.69	0.01	A
TI	1	47.000	5.000	1.47	0.16	N
TM	1	32.700	1.810	1.02	0.06	A
TN	1	34.300	2.210	1.07	0.07	A
TO	1	33.600	3.020	1.05	0.10	A
UP	1	24.500	5.130	0.77	0.16	A
UY	1	16.000	2.500	0.50	0.08	A
WA	1	28.600	1.500	0.89	0.05	A
WC	1	2.130	0.960	0.07	0.03	N
WN	1	31.900	6.100	1.00	0.19	A
WP	1	3.400	3.300	0.11	0.10	N
YA	1	33.800	1.600	1.06	0.05	A

Total Number Reported: 69

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: SO
Radionuclide: PU239

EML Value: 6.760
EML Error: 0.440

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	6.760	0.440	1.00	0.09	A
AC	1	7.800	1.100	1.15	0.18	A
AE	1	6.700	0.800	0.99	0.14	A
AG	1	7.300	0.400	1.08	0.09	A
AG	2	7.300	0.730	1.08	0.13	A
AM	1	18.100	7.210	2.68	1.08	N
AN	1	7.000	0.320	1.04	0.08	A
AR	1	10.400	2.000	1.54	0.31	W
AT	1	12.900	3.100	1.91	0.48	W
AU	1	10.800	0.070	1.60	0.11	W
BE	1	6.890	0.640	1.02	0.12	A
BL	1	7.280	0.740	1.08	0.13	A
BM	1	6.000	0.600	0.89	0.11	A
BM	2	7.100	0.800	1.05	0.14	A
BU	1	8.700	0.600	1.29	0.12	A
BX	1	6.590	0.000	0.98	0.06	A
CC	1	7.100	0.800	1.05	0.14	A
CH	1	7.550	0.833	1.12	0.14	A
CL	1	8.400	3.630	1.24	0.54	A
CP	1	2.590	0.610	0.38	0.09	N
DC	1	0.009	0.000	0.00	0.00	N
EB	1	16.000	0.703	2.37	0.19	N
EE	1	6.730	0.444	1.00	0.09	A
EG	1	7.150	0.540	1.06	0.11	A
EP	1	6.920	0.620	1.02	0.11	A
ES	1	8.880	1.280	1.31	0.21	A
ET	1	7.390	0.614	1.09	0.12	A
FG	1	5.200	0.400	0.77	0.08	W
FL	1	6.440	0.410	0.95	0.09	A
FS	1	6.780	0.080	1.00	0.07	A
FS	2	6.200	0.190	0.92	0.07	A
FS	3	6.690	0.140	0.99	0.07	A
GA	1	7.280	0.000	1.08	0.07	A
GE	1	7.180	0.860	1.06	0.15	A
HA	1	5.920	0.600	0.88	0.11	A
ID	1	7.200	0.500	1.07	0.10	A
IE	1	6.730	0.860	1.00	0.14	A
IN	1	6.960	0.110	1.03	0.07	A
IS	1	6.200	0.980	0.92	0.16	A
IT	1	7.270	0.530	1.08	0.11	A
KA	1	7.600	0.760	1.12	0.13	A
LA	1	7.500	0.200	1.11	0.08	A
LA	2	6.900	0.200	1.02	0.07	A
LA	3	6.800	0.300	1.01	0.08	A
LH	1	7.610	1.240	1.13	0.20	A
LL	1	6.660	0.610	0.99	0.11	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: SO
Radionuclide: PU239

EML Value: 6.760
EML Error: 0.440

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
ME	1	3.400	1.500	0.50	0.22	N
ML	1	6.960	0.797	1.03	0.14	A
NA	1	6.200	1.100	0.92	0.17	A
NL	1	5.800	0.700	0.86	0.12	A
OB	1	27.000	1.000	3.99	0.30	N
OR	1	3.100	0.400	0.46	0.07	N
OT	1	7.000	1.200	1.04	0.19	A
PA	1	8.900	1.100	1.32	0.18	W
PB	1	7.000	0.740	1.04	0.13	A
PC	1	6.200	2.200	0.92	0.33	A
PI	1	7.210	1.100	1.07	0.18	A
RE	1	6.810	0.842	1.01	0.14	A
RF	1	6.870	0.900	1.02	0.15	A
RG	1	7.470	0.630	1.11	0.12	A
RI	1	7.590	0.460	1.12	0.10	A
SC	1	5.000	0.100	0.74	0.05	W
TI	1	11.000	2.000	1.63	0.31	W
TM	1	7.340	0.574	1.09	0.11	A
TN	1	7.440	0.949	1.10	0.16	A
TO	1	7.880	0.910	1.17	0.16	A
UP	1	4.450	1.550	0.66	0.23	W
UY	1	3.200	0.800	0.47	0.12	N
WA	1	5.590	0.670	0.83	0.11	A
WC	1	2.740	1.120	0.41	0.17	N
WN	1	7.050	1.640	1.04	0.25	A
WP	1	5.900	1.000	0.87	0.16	A
WP	2	5.900	1.100	0.87	0.17	A
YA	1	7.050	0.320	1.04	0.08	A

Total Number Reported: 74

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: SO
Radionuclide: SR 90

EML Value: 11.300
EML Error: 1.500

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	11.300	1.500	1.00	0.19	A
AC	1	11.700	1.570	1.04	0.20	A
AG	1	16.900	1.800	1.50	0.26	A
AN	1	13.400	0.180	1.19	0.16	A
AR	1	14.200	2.100	1.26	0.25	A
AU	1	14.300	2.700	1.27	0.29	A
BE	1	12.200	2.250	1.08	0.25	A
BL	1	9.000	5.000	0.80	0.46	A
BM	1	7.600	3.800	0.67	0.35	W
BP	1	13.300	1.200	1.18	0.19	A
BU	1	5.000	3.000	0.44	0.27	N
CC	1	7.300	0.600	0.65	0.10	W
CH	1	28.100	4.560	2.49	0.52	N
CL	1	11.000	4.500	0.97	0.42	A
CP	1	9.780	4.460	0.87	0.41	A
DC	1	11.000	0.000	0.97	0.13	A
EG	1	13.000	3.000	1.15	0.31	A
EL	1	18.500	0.500	1.64	0.22	W
ES	1	28.600	5.000	2.53	0.56	N
ET	1	3.960	0.289	0.35	0.05	N
GE	1	18.100	0.990	1.60	0.23	W
HA	1	12.600	2.000	1.12	0.23	A
HL	1	15.200	2.200	1.35	0.26	A
HR	1	15.000	26.000	1.33	2.31	A
ID	1	14.000	1.000	1.24	0.19	A
IT	1	11.700	0.490	1.04	0.14	A
KA	1	13.300	0.600	1.18	0.17	A
LA	1	14.800	7.400	1.31	0.68	A
LA	2	18.500	7.400	1.64	0.69	W
LA	3	44.400	7.400	3.93	0.84	N
LH	1	11.700	1.800	1.04	0.21	A
NA	1	689.000	160.000	61.00	16.30	N
OR	1	10.000	2.000	0.89	0.21	A
OT	1	7.400	4.200	0.66	0.38	W
RE	1	13.400	2.270	1.19	0.26	A
SW	1	17.000	2.700	1.50	0.31	A
TI	1	9.600	1.200	0.85	0.16	A
TM	1	13.500	2.800	1.20	0.29	A
TN	1	11.800	1.200	1.04	0.18	A
TO	1	14.900	1.580	1.32	0.22	A
TY	1	10.900	1.400	0.89	0.17	A
WA	1	13.700	1.900	1.21	0.23	A
WC	1	0.010	0.001	0.00	0.00	N
WN	1	12.300	4.600	1.09	0.43	A
WP	1	11.000	2.200	0.97	0.23	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: SO
Radionuclide: SR 90

EML Value: 11.300
EML Error: 1.500

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
YA	1	17.600	6.100	1.56	0.58	W

Total Number Reported: 46

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: SO
Radionuclide: U 234

EML Value: 30.300
EML Error: 1.790

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	30.300	1.790	1.00	0.08	A
AE	1	24.600	1.300	0.81	0.06	A
AG	1	25.400	2.500	0.84	0.10	A
AN	1	30.200	1.730	1.00	0.08	A
AR	1	23.000	4.800	0.76	0.17	A
AT	1	30.000	4.200	0.99	0.15	A
BC	1	17.100	0.000	0.56	0.03	W
BE	1	34.100	2.630	1.13	0.11	W
BL	1	30.500	0.000	1.01	0.06	A
BL	2	32.400	0.000	1.07	0.06	A
BM	1	32.400	20.000	1.07	0.66	A
BM	2	26.100	2.600	0.86	0.10	A
BM	3	24.700	3.000	0.82	0.11	A
BX	1	18.200	0.000	0.60	0.04	W
CC	1	29.800	1.500	0.98	0.08	A
CH	1	34.300	12.300	1.13	0.41	W
CL	1	34.500	11.500	1.14	0.39	W
DC	1	0.028	0.000	0.00	0.00	N
EB	1	16.700	0.667	0.55	0.04	W
EE	1	23.000	2.980	0.76	0.11	A
EG	1	32.900	2.000	1.09	0.09	A
EL	1	29.600	1.500	0.98	0.08	A
ES	1	26.500	3.010	0.88	0.11	A
FS	1	31.100	1.400	1.03	0.08	A
FS	2	31.900	1.700	1.05	0.08	A
FS	3	32.000	1.600	1.06	0.08	A
GE	1	27.500	5.600	0.91	0.19	A
HA	1	27.000	3.000	0.89	0.11	A
HL	1	16.800	6.400	0.55	0.21	W
IE	1	25.600	0.820	0.85	0.06	A
IS	1	25.300	4.100	0.84	0.14	A
LH	1	24.300	3.600	0.80	0.13	A
ML	1	25.700	1.700	0.85	0.08	A
NA	1	36.100	3.400	1.19	0.13	W
NJ	1	29.900	2.200	0.99	0.09	A
NL	1	92.500	9.300	3.05	0.36	N
OB	1	29.000	1.000	0.96	0.07	A
PA	1	19.600	2.600	0.65	0.09	W
PB	1	10.000	1.100	0.33	0.04	N
PC	1	26.000	7.800	0.86	0.26	A
RE	1	18.000	2.120	0.59	0.08	W
RF	1	25.800	2.800	0.85	0.11	A
RG	1	29.800	1.450	0.98	0.08	A
SC	1	20.500	0.050	0.68	0.04	W
TM	1	27.500	1.890	0.91	0.08	A
TN	1	26.000	1.520	0.86	0.07	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: SO
Radionuclide: U 234

EML Value: 30.300
EML Error: 1.790

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
TO	1	25.800	3.540	0.85	0.13	A
WA	1	27.800	2.600	0.92	0.10	A
WN	1	40.200	8.700	1.33	0.30	N
YA	1	24.100	0.170	0.80	0.05	A

Total Number Reported: 50

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: SO
Radionuclide: U 235

EML Value: 1.590
EML Error: 0.075

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	1.590	0.075	1.00	0.07	A
CC	1	1.400	0.200	0.88	0.13	A
EB	1	0.595	0.098	0.37	0.06	N
EG	1	1.720	0.220	1.08	0.15	A
FN	1	5.300	0.810	3.33	0.53	N
HL	1	5.100	3.500	3.21	2.21	N
NA	1	1.700	0.700	1.07	0.44	A
NL	1	4.070	0.400	2.56	0.28	N
YA	1	1.130	0.004	0.71	0.03	A

Total Number Reported: 9

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: SO
Radionuclide: U 238

EML Value: 31.600
EML Error: 1.270

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	31.600	1.270	1.00	0.06	A
AE	1	25.800	1.300	0.82	0.05	A
AG	1	25.500	2.500	0.81	0.09	A
AM	1	36.100	14.000	1.14	0.45	A
AN	1	29.900	1.700	0.95	0.07	A
AR	1	21.900	5.400	0.69	0.17	W
AT	1	27.300	3.800	0.86	0.13	A
BC	1	18.200	0.000	0.58	0.02	W
BE	1	31.700	2.500	1.00	0.09	A
BL	1	29.800	0.000	0.94	0.04	A
BL	2	31.600	0.000	1.00	0.04	A
BM	1	26.100	2.600	0.83	0.09	A
BM	2	23.500	3.100	0.74	0.10	A
BX	1	16.400	0.000	0.52	0.02	W
CC	1	29.900	1.600	0.95	0.06	A
CH	1	26.000	9.570	0.82	0.31	A
CL	1	31.400	11.200	0.99	0.36	A
CS	1	17.100	4.640	0.54	0.15	W
DC	1	0.029	0.000	0.00	0.00	N
EB	3	16.000	0.653	0.51	0.03	W
EE	1	23.000	2.980	0.73	0.10	A
EG	1	32.200	2.000	1.02	0.08	A
EL	1	31.500	1.500	1.00	0.06	A
ES	1	22.600	2.370	0.72	0.08	A
FN	1	26.500	1.700	0.84	0.06	A
FS	1	30.600	0.700	0.97	0.04	A
FS	2	30.200	1.100	0.96	0.05	A
FS	3	31.600	1.000	1.00	0.05	A
GE	1	26.600	5.460	0.84	0.18	A
HA	1	30.700	4.000	0.97	0.13	A
HL	1	15.900	6.200	0.50	0.20	W
IE	1	24.500	0.780	0.78	0.04	A
IS	1	24.100	4.000	0.76	0.13	A
LH	1	25.000	3.000	0.79	0.10	A
ML	1	25.200	1.680	0.80	0.06	A
ML	2	24.200	0.992	0.77	0.04	A
NA	1	25.900	2.800	0.82	0.09	A
NJ	1	29.800	2.200	0.94	0.08	A
NL	1	77.700	7.800	2.46	0.27	N
OB	1	29.000	1.000	0.92	0.05	A
PA	1	22.600	2.600	0.72	0.09	A
PB	1	9.600	1.100	0.30	0.04	N
PC	1	25.000	5.600	0.79	0.18	A
RE	1	24.300	2.700	0.77	0.09	A
RF	1	26.100	2.830	0.83	0.10	A
RG	1	29.400	1.430	0.93	0.06	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: SO
Radionuclide: U 238

EML Value: 31.600
EML Error: 1.270

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
SC	1	20.400	0.050	0.65	0.03	W
TM	1	28.400	1.930	0.90	0.07	A
TN	1	26.300	1.530	0.83	0.06	A
TO	1	22.300	2.430	0.71	0.08	A
WA	1	27.000	2.600	0.85	0.09	A
WN	1	41.800	10.100	1.32	0.32	W
WS	1	42.000	0.000	1.33	0.05	W
YA	1	24.100	0.240	0.76	0.03	A

Total Number Reported: 54

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: SO
Radionuclide: U BQ

EML Value: 63.400
EML Error: 3.200

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	63.400	3.200	1.00	0.07	A
AU	1	54.400	3.300	0.86	0.07	A
BL	1	60.300	0.000	0.95	0.05	A
BL	2	64.000	0.000	1.01	0.05	A
BS	1	88.900	15.000	1.40	0.25	W
BU	1	32.000	5.000	0.51	0.08	A
CL	1	65.900	7.220	1.04	0.13	A
CP	1	17.200	9.500	0.27	0.15	W
DC	1	1.720	0.000	0.03	0.00	N
EL	1	61.100	1.500	0.96	0.05	A
ES	1	50.100	6.000	0.79	0.10	A
FG	1	26.700	1.700	0.42	0.03	A
FL	1	73.200	25.900	1.16	0.41	W
FS	1	63.100	3.100	1.00	0.07	A
FS	2	63.500	3.200	1.00	0.07	A
FS	3	65.100	1.900	1.03	0.06	A
GA	1	62.700	0.000	0.99	0.05	A
HL	1	37.800	6.400	0.60	0.11	A
OI	1	38.000	3.100	0.60	0.06	A
OR	1	48.000	4.000	0.76	0.07	A
RG	1	60.300	3.120	0.95	0.07	A
TI	1	44.000	7.000	0.69	0.12	A
WA	1	59.300	3.700	0.94	0.08	A

Total Number Reported: 23

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: SO
Radionuclide: U UG

EML Value: 2.500
EML Error: 0.130

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	2.500	0.130	1.00	0.07	A
AG	1	2.040	0.040	0.82	0.05	A
AG	2	2.040	0.050	0.82	0.05	A
AR	1	2.130	0.200	0.85	0.09	A
BL	1	2.460	0.000	0.98	0.05	A
BL	2	2.610	0.000	1.04	0.05	A
BQ	1	2.540	0.010	1.02	0.05	A
CA	1	2.800	0.200	1.12	0.10	W
CC	1	2.440	0.150	0.98	0.08	A
ES	1	2.260	0.000	0.90	0.05	A
ET	1	1.970	0.030	0.79	0.04	A
GE	1	2.290	0.027	0.92	0.05	A
HR	1	1.400	0.100	0.56	0.05	A
IS	1	2.120	0.220	0.85	0.10	A

Total Number Reported: 14

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: VE
Radionuclide: AM241

EML Value: 0.702
EML Error: 0.048

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	0.702	0.048	1.00	0.10	A
AC	1	0.740	0.190	1.05	0.28	A
AG	1	0.661	0.053	0.94	0.10	A
AG	2	0.661	0.066	0.94	0.11	A
AM	1	1.940	1.690	2.76	2.41	N
AN	1	0.680	0.030	0.97	0.08	A
AR	1	0.541	0.215	0.77	0.31	A
AT	1	0.602	0.115	0.86	0.17	A
AU	1	0.640	0.270	0.91	0.39	A
BE	1	0.705	0.062	1.00	0.11	A
BL	1	0.330	0.070	0.47	0.11	N
BM	1	0.770	0.170	1.10	0.25	A
BS	1	0.400	0.200	0.57	0.29	W
CC	1	0.710	0.150	1.01	0.23	A
CL	1	1.000	0.600	1.43	0.86	A
CS	1	0.140	0.030	0.20	0.04	N
DC	1	1.180	0.000	1.68	0.12	W
EB	1	0.370	0.000	0.53	0.04	W
EE	1	0.873	0.090	1.24	0.15	A
EL	1	0.740	0.050	1.05	0.10	A
ES	1	0.670	0.310	0.95	0.45	A
ET	1	0.498	0.076	0.71	0.12	W
FL	1	1.260	0.355	1.80	0.52	W
GA	1	0.620	0.000	0.88	0.06	A
GE	1	0.780	0.250	1.11	0.36	A
IE	1	0.710	0.185	1.01	0.27	A
IT	1	0.510	0.014	0.73	0.05	W
LA	1	1.090	0.062	1.55	0.14	A
LA	2	1.270	0.070	1.81	0.16	W
LA	3	1.120	0.062	1.60	0.14	A
LH	1	0.548	0.111	0.78	0.17	A
NA	1	2.300	1.100	3.28	1.58	N
NJ	1	2.500	1.700	3.56	2.43	N
OR	1	0.710	0.210	1.01	0.31	A
OT	1	0.880	0.640	1.25	0.92	A
RE	1	0.676	0.107	0.96	0.17	A
RF	1	0.693	0.065	0.99	0.12	A
TI	1	0.810	0.400	1.15	0.58	A
TM	1	0.740	0.102	1.05	0.16	A
WA	1	0.628	0.204	0.90	0.30	A
WC	1	1.370	0.645	1.95	0.93	W
WN	1	0.680	0.180	0.97	0.27	A
WP	1	1.100	0.410	1.57	0.59	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: VE
Radionuclide: AM241

EML Value: 0.702
EML Error: 0.048

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
YA	1	0.631	0.026	0.90	0.07	A

Total Number Reported: 44

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: VE
Radionuclide: CO 60

EML Value: 9.600
EML Error: 1.700

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	9.600	1.700	1.00	0.25	A
AC	1	8.760	0.920	0.91	0.19	A
AG	1	8.620	0.800	0.90	0.18	A
AG	2	8.620	0.860	0.90	0.18	A
AM	1	13.500	4.000	1.41	0.49	N
AN	1	8.870	1.230	0.92	0.21	A
AR	1	1.670	0.650	0.17	0.07	N
AT	1	6.200	2.300	0.65	0.27	N
AU	1	12.700	3.200	1.32	0.41	W
BL	1	7.270	1.450	0.76	0.20	W
BM	1	7.620	3.000	0.79	0.34	W
BN	1	6.100	0.870	0.64	0.14	N
BR	1	10.700	2.270	1.12	0.31	A
BS	1	6.190	1.400	0.65	0.19	N
BU	1	9.600	0.800	1.00	0.20	A
BX	1	7.660	0.000	0.80	0.14	W
CC	1	5.690	0.140	0.59	0.11	N
CH	1	9.440	2.440	0.98	0.31	A
CL	1	17.900	7.940	1.87	0.89	N
CP	1	8.530	4.170	0.89	0.46	A
CS	1	2.460	0.140	0.26	0.05	N
DC	1	8.400	0.000	0.88	0.16	A
EE	1	7.490	0.628	0.78	0.15	W
EG	1	8.800	1.700	0.92	0.24	A
EL	1	10.900	0.800	1.14	0.22	A
ES	1	8.890	1.900	0.93	0.26	A
ET	1	9.790	0.866	1.02	0.20	A
FL	1	8.200	0.140	0.85	0.15	A
FN	1	11.400	1.400	1.19	0.26	A
GA	1	7.640	0.000	0.80	0.14	W
GE	1	10.300	1.790	1.07	0.27	A
ID	1	9.400	0.600	0.98	0.18	A
IE	1	7.720	1.560	0.80	0.22	W
IN	1	9.520	3.000	0.99	0.36	A
IS	1	9.560	0.670	1.00	0.19	A
IT	1	9.390	0.420	0.98	0.18	A
LA	1	1.110	1.110	0.12	0.12	N
LA	2	1.480	1.480	0.15	0.16	N
LA	3	2.220	2.220	0.23	0.24	N
LB	1	6.800	1.400	0.71	0.19	W
LH	1	8.270	4.780	0.86	0.52	A
LL	1	7.880	1.820	0.82	0.24	W
LW	1	7.350	1.810	0.77	0.23	W
MA	1	9.600	3.000	1.00	0.36	A
ME	1	12.600	1.100	1.31	0.26	W
ML	1	7.900	0.970	0.82	0.18	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: VE
Radionuclide: CO 60

EML Value: 9.600
EML Error: 1.700

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
NA	1	9.400	1.600	0.98	0.24	A
NC	1	8.220	0.540	0.86	0.16	A
NJ	1	8.400	1.000	0.88	0.19	A
OI	1	5.600	0.100	0.58	0.10	N
OL	1	8.570	0.500	0.89	0.17	A
OR	1	9.500	3.500	0.99	0.41	A
OS	1	6.900	0.310	0.72	0.13	W
OT	1	9.400	3.700	0.98	0.42	A
PC	1	8.500	2.600	0.89	0.31	A
RE	1	12.600	3.810	1.31	0.46	W
SK	1	9.400	2.200	0.98	0.29	A
SR	1	11.200	5.900	1.17	0.65	A
SS	1	9.400	0.600	0.98	0.18	A
SW	1	9.910	1.160	1.03	0.22	A
TI	1	10.200	1.000	1.06	0.22	A
TM	1	10.900	2.020	1.14	0.29	A
TN	2	9.230	2.590	0.96	0.32	A
TO	1	7.080	1.270	0.74	0.19	W
UC	1	8.270	0.680	0.86	0.17	A
WA	1	8.150	1.740	0.85	0.24	A
WC	1	9.490	1.360	0.99	0.23	A
WN	1	7.350	0.820	0.77	0.16	W
WP	1	10.300	2.000	1.07	0.28	A
YA	1	7.910	0.670	0.82	0.16	W

Total Number Reported: 70

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: VE
Radionuclide: CS137

EML Value: 117.000
EML Error: 3.270

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	117.000	3.270	1.00	0.04	A
AC	1	134.000	2.000	1.15	0.04	A
AG	1	129.000	8.000	1.10	0.08	A
AG	2	129.000	13.000	1.10	0.12	A
AM	1	147.000	5.550	1.26	0.06	A
AN	1	138.000	2.100	1.18	0.04	A
AR	1	23.100	2.300	0.20	0.02	N
AT	1	149.000	6.700	1.27	0.07	A
AU	1	141.000	4.200	1.21	0.05	A
BA	1	166.000	29.000	1.42	0.25	W
BC	1	126.000	0.000	1.08	0.03	A
BE	1	231.000	29.700	1.97	0.26	N
BL	1	129.000	4.000	1.10	0.05	A
BM	1	105.000	11.000	0.90	0.10	A
BN	1	110.000	13.300	0.94	0.12	A
BQ	1	116.000	12.000	0.99	0.11	A
BR	1	135.000	11.200	1.15	0.10	A
BS	1	103.000	1.000	0.88	0.03	A
BU	1	165.000	8.000	1.41	0.08	W
BX	1	124.000	0.000	1.06	0.03	A
CC	1	101.000	5.000	0.86	0.05	A
CH	1	135.000	5.920	1.15	0.06	A
CL	1	143.000	16.300	1.22	0.14	A
CP	1	132.000	15.000	1.13	0.13	A
CS	1	29.600	1.320	0.25	0.01	N
DC	1	140.000	0.000	1.20	0.03	A
EE	1	115.000	8.010	0.98	0.07	A
EG	1	125.000	10.000	1.07	0.09	A
EL	1	109.000	5.200	0.93	0.05	A
ES	1	143.000	5.650	1.22	0.06	A
ET	1	142.000	8.330	1.21	0.08	A
FL	1	134.000	2.000	1.15	0.04	A
FN	1	121.000	12.000	1.03	0.11	A
GA	1	140.000	0.000	1.20	0.03	A
GE	1	138.000	2.870	1.18	0.04	A
HI	1	132.000	2.000	1.13	0.04	A
HR	1	94.000	10.000	0.80	0.09	W
ID	1	144.000	7.000	1.23	0.07	A
IE	1	124.000	2.930	1.06	0.04	A
IN	1	127.000	23.100	1.09	0.20	A
IS	1	114.000	8.000	0.97	0.07	A
IT	1	132.000	4.000	1.13	0.05	A
LA	1	148.000	15.000	1.27	0.13	A
LA	2	153.000	15.000	1.31	0.13	W
LA	3	155.000	16.000	1.33	0.14	W
LB	1	116.000	11.000	0.99	0.10	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: VE
Radionuclide: CS137

EML Value: 117.000
EML Error: 3.270

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
LH	1	147.000	33.000	1.26	0.28	A
LL	1	131.000	4.000	1.12	0.05	A
LW	1	126.000	6.000	1.08	0.06	A
MA	1	159.000	6.700	1.36	0.07	W
ME	1	216.000	3.200	1.85	0.06	N
ML	1	105.000	3.300	0.90	0.04	A
NA	1	146.000	1.900	1.25	0.04	A
NC	1	120.000	2.100	1.03	0.03	A
NJ	1	129.000	6.000	1.10	0.06	A
OI	1	84.500	1.700	0.72	0.02	W
OL	1	142.000	3.390	1.21	0.04	A
OR	1	140.000	10.000	1.20	0.09	A
OS	1	108.000	0.570	0.92	0.03	A
OT	1	140.000	10.000	1.20	0.09	A
PC	1	140.000	23.000	1.20	0.20	A
RE	1	146.000	11.100	1.25	0.10	A
RI	1	134.000	12.000	1.15	0.11	A
SK	1	142.000	16.000	1.21	0.14	A
SR	1	134.000	9.800	1.15	0.09	A
SS	1	158.000	6.000	1.35	0.06	W
SW	1	102.000	2.400	0.87	0.03	A
TI	1	144.000	14.000	1.23	0.13	A
TM	1	154.000	5.570	1.32	0.06	W
TN	1	131.000	3.100	1.12	0.04	A
UC	1	128.000	1.570	1.09	0.03	A
WA	1	120.000	9.000	1.03	0.08	A
WC	1	140.000	15.400	1.20	0.14	A
WN	1	127.000	10.000	1.09	0.09	A
WP	1	160.000	16.000	1.37	0.14	W
YA	1	129.000	0.500	1.10	0.03	A

Total Number Reported: 76

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: VE
Radionuclide: K 40

EML Value: 1030.000
EML Error: 8.160

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	1030.000	8.160	1.00	0.01	A
AC	1	1140.000	26.000	1.11	0.03	A
AG	1	1150.000	97.000	1.12	0.09	A
AG	2	1150.000	120.000	1.12	0.12	A
AM	1	1260.000	61.800	1.22	0.06	A
AN	1	1140.000	20.000	1.11	0.02	A
AR	1	160.000	21.000	0.16	0.02	N
AT	1	1290.000	51.000	1.25	0.05	W
AU	1	1210.000	73.000	1.17	0.07	A
BC	1	1020.000	0.000	0.99	0.01	A
BL	1	1110.000	40.000	1.08	0.04	A
BM	1	810.000	42.000	0.79	0.04	A
BN	1	820.000	76.000	0.80	0.07	A
BQ	1	890.000	330.000	0.86	0.32	A
BR	1	996.000	64.900	0.97	0.06	A
BS	1	837.000	19.000	0.81	0.02	A
BU	1	1400.000	130.000	1.36	0.13	W
BX	2	999.000	0.000	0.97	0.01	A
CC	1	755.000	35.000	0.73	0.03	W
CH	1	1160.000	69.600	1.13	0.07	A
CL	1	1770.000	213.000	1.72	0.21	N
CP	1	1370.000	224.000	1.33	0.22	W
CS	1	334.000	15.600	0.32	0.02	N
DC	1	933.000	0.000	0.91	0.01	A
EE	1	940.000	61.200	0.91	0.06	A
EG	1	1070.000	87.000	1.04	0.08	A
EL	1	966.000	15.000	0.94	0.02	A
ES	1	1170.000	68.400	1.14	0.07	A
ET	1	1390.000	75.500	1.35	0.07	W
FL	1	1090.000	15.000	1.06	0.02	A
FN	1	1150.000	120.000	1.12	0.12	A
GA	1	1230.000	0.000	1.19	0.01	A
GE	1	1320.000	36.000	1.28	0.04	W
HI	1	1320.000	13.000	1.28	0.02	W
ID	1	1170.000	72.000	1.14	0.07	A
IE	1	1060.000	35.400	1.03	0.04	A
IN	1	1240.000	293.000	1.20	0.29	A
IS	1	1050.000	52.000	1.02	0.05	A
IT	1	1120.000	19.000	1.09	0.02	A
LA	1	1200.000	128.000	1.17	0.13	A
LA	2	1200.000	122.000	1.17	0.12	A
LA	3	1210.000	123.000	1.17	0.12	A
LB	1	1070.000	139.000	1.04	0.14	A
LH	1	1210.000	298.000	1.17	0.29	A
LL	1	1040.000	57.200	1.01	0.06	A
LW	1	995.000	60.000	0.97	0.06	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: VE
Radionuclide: K 40

EML Value: 1030.000
EML Error: 8.160

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
MA	1	1110.000	74.000	1.08	0.07	A
ME	1	1770.000	38.000	1.72	0.04	N
ML	1	1010.000	55.300	0.98	0.05	A
NA	1	1270.000	24.000	1.23	0.03	A
NC	1	1170.000	32.800	1.14	0.03	A
NJ	1	1070.000	20.000	1.04	0.02	A
OI	1	677.000	17.000	0.66	0.02	W
OL	1	1240.000	39.700	1.20	0.04	A
OR	1	1300.000	100.000	1.26	0.10	W
OS	1	855.000	10.000	0.83	0.01	A
OT	1	1000.000	100.000	0.97	0.10	A
PC	1	1110.000	180.000	1.08	0.18	A
RE	1	1220.000	188.000	1.18	0.18	A
RI	1	1250.000	184.000	1.21	0.18	A
SK	1	1200.000	138.000	1.17	0.13	A
SR	1	1160.000	236.000	1.13	0.23	A
SS	1	1340.000	67.000	1.30	0.07	W
SW	1	816.000	29.200	0.79	0.03	A
TI	1	1240.000	120.000	1.20	0.12	A
TM	1	1210.000	56.700	1.17	0.06	A
TN	1	1150.000	38.000	1.12	0.04	A
UC	1	1240.000	19.600	1.20	0.02	A
WA	1	1100.000	70.000	1.07	0.07	A
WC	1	1210.000	170.000	1.17	0.17	A
WN	1	1030.000	130.000	1.00	0.13	A
WP	1	1300.000	130.000	1.26	0.13	W
YA	1	1120.000	20.000	1.09	0.02	A

Total Number Reported: 73

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: VE
Radionuclide: PU238

EML Value: 0.089
EML Error: 0.019

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	0.089	0.019	1.00	0.31	A
AG	1	0.109	0.012	1.23	0.30	W
AG	2	0.109	0.011	1.23	0.30	W
AN	1	0.097	0.009	1.09	0.26	A
AR	1	0.000	0.244	0.00	0.11	N
AT	1	0.840	0.690	9.47	8.05	N
BE	1	0.099	0.023	1.11	0.36	A
BL	1	0.260	0.190	2.93	2.24	N
BM	1	0.230	0.080	2.59	1.07	N
BU	1	0.300	0.200	3.38	2.37	N
BX	1	0.744	0.000	8.39	1.83	N
CC	1	0.090	0.030	1.02	0.41	A
CH	1	0.470	0.170	5.30	2.24	N
CL	1	0.750	0.080	8.46	2.06	N
DC	1	0.004	0.000	0.04	0.01	N
EB	1	0.230	0.001	2.59	0.57	N
ES	1	0.150	0.270	1.69	3.07	W
ET	1	0.185	0.018	2.09	0.50	N
GA	1	0.000	0.000	0.00	0.18	N
GE	1	0.230	0.090	2.59	1.16	N
ID	1	0.730	0.490	8.23	5.81	N
IS	1	0.086	0.060	0.96	0.71	A
IT	1	0.100	0.011	1.13	0.28	A
LA	1	0.070	0.015	0.79	0.24	W
LA	2	0.100	0.019	1.13	0.33	A
LA	3	0.093	0.015	1.05	0.29	A
LH	1	0.090	0.034	1.02	0.44	A
LL	1	0.089	0.046	1.00	0.56	A
ML	1	0.081	0.115	0.91	1.31	A
NA	1	0.700	0.900	7.89	10.30	N
OR	1	0.053	0.081	0.60	0.92	N
RE	1	0.059	0.074	0.66	0.85	N
RF	1	0.094	0.040	1.06	0.51	A
SR	1	0.130	0.040	1.47	0.55	W
TI	1	0.000	0.300	0.00	0.16	N
TM	1	0.296	0.093	3.34	1.27	N
TN	1	0.254	0.098	2.86	1.27	N
TO	1	0.278	0.072	3.13	1.07	N
WA	1	0.350	0.250	3.95	2.95	N
WN	1	0.113	0.037	1.27	0.50	W
YA	1	0.110	0.014	1.24	0.31	W

Total Number Reported: 41

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: VE
Radionuclide: PU239

EML Value: 1.120
EML Error: 0.159

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	1.120	0.159	1.00	0.20	A
AG	1	1.060	0.050	0.95	0.14	A
AG	2	1.060	0.110	0.95	0.17	A
AN	1	1.160	0.070	1.04	0.16	A
AR	1	1.260	0.490	1.13	0.47	A
AT	1	1.420	0.600	1.27	0.56	A
AU	1	1.190	0.370	1.06	0.36	A
BE	1	1.220	0.087	1.09	0.17	A
BL	1	1.190	0.300	1.06	0.31	A
BM	1	1.050	0.130	0.94	0.18	A
BM	2	0.890	0.180	0.80	0.20	A
BU	1	0.800	0.500	0.71	0.46	W
BX	1	1.070	0.000	0.96	0.14	A
CC	1	1.310	0.200	1.17	0.24	A
CH	1	1.400	0.252	1.25	0.29	A
CL	1	1.470	1.170	1.31	1.06	A
CP	1	1.310	0.230	1.17	0.26	A
DC	1	1.180	0.000	1.05	0.15	A
EB	1	0.100	0.000	0.09	0.01	N
EE	1	1.380	0.123	1.23	0.21	A
EP	1	1.060	0.149	0.95	0.19	A
ES	1	1.010	0.180	0.90	0.21	A
ET	1	1.070	0.064	0.96	0.15	A
GA	1	1.120	0.000	1.00	0.14	A
GE	1	1.110	0.237	0.99	0.25	A
ID	1	1.100	0.200	0.98	0.23	A
IE	1	1.240	0.219	1.11	0.25	A
IS	1	1.120	0.200	1.00	0.23	A
IT	1	1.090	0.110	0.97	0.17	A
LA	1	1.080	0.067	0.96	0.15	A
LA	2	1.060	0.063	0.95	0.15	A
LA	3	1.530	0.081	1.37	0.21	A
LH	1	1.040	0.120	0.93	0.17	A
LL	1	1.030	0.152	0.92	0.19	A
ML	1	1.080	0.110	0.96	0.17	A
NA	1	1.300	0.700	1.16	0.65	A
OR	1	0.570	0.140	0.51	0.14	N
OT	1	1.300	1.000	1.16	0.91	A
PA	1	1.100	0.370	0.98	0.36	A
PB	1	1.100	0.100	0.98	0.17	A
PC	1	1.300	0.550	1.16	0.52	A
RE	1	1.150	0.293	1.03	0.30	A
RF	1	1.090	0.160	0.97	0.20	A
RI	1	2.170	0.200	1.94	0.33	W
SR	1	1.190	0.150	1.06	0.20	A
TI	1	0.870	0.500	0.78	0.46	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: VE
Radionuclide: PU239

EML Value: 1.120
EML Error: 0.159

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
TM	1	1.090	0.139	0.97	0.19	A
TN	1	1.100	0.217	0.98	0.24	A
TO	1	1.200	0.141	1.07	0.20	A
WA	1	1.050	0.240	0.94	0.25	A
WC	1	3.730	0.948	3.33	0.97	N
WN	1	1.210	0.290	1.08	0.30	A
WP	1	0.670	0.440	0.60	0.40	W
YA	1	1.070	0.078	0.96	0.15	A

Total Number Reported: 54

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: VE
Radionuclide: SR 90

EML Value: 512.000
EML Error: 52.500

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	512.000	52.500	1.00	0.15	A
AC	1	500.000	6.000	0.98	0.10	A
AG	1	437.000	32.000	0.85	0.11	A
AN	1	479.000	1.300	0.94	0.10	A
AR	1	77.700	13.200	0.15	0.03	N
AU	1	490.000	9.700	0.96	0.10	A
BA	1	256.000	12.000	0.50	0.06	W
BC	1	271.000	0.000	0.53	0.05	W
BE	1	492.000	50.300	0.96	0.14	A
BL	1	387.000	13.000	0.76	0.08	A
BM	1	85.400	12.800	0.17	0.03	N
BU	1	590.000	30.000	1.15	0.13	W
BX	1	266.000	0.000	0.52	0.05	W
CC	1	460.000	20.000	0.90	0.10	A
CH	1	491.000	8.110	0.96	0.10	A
CL	1	394.000	12.700	0.77	0.08	A
CP	1	470.000	22.000	0.92	0.10	A
DC	1	405.000	0.000	0.79	0.08	A
EE	1	470.000	9.550	0.92	0.10	A
EG	1	585.000	48.000	1.14	0.15	W
EL	1	537.000	26.000	1.05	0.12	A
EP	1	455.000	13.800	0.89	0.10	A
ES	1	514.000	93.300	1.00	0.21	A
ET	1	315.000	11.500	0.62	0.07	W
GE	1	474.000	5.600	0.93	0.10	A
HR	1	356.000	16.000	0.70	0.08	A
ID	1	549.000	101.000	1.07	0.23	A
IS	1	540.000	21.000	1.05	0.12	A
IT	1	522.000	48.000	1.02	0.14	A
LA	1	560.000	30.000	1.09	0.13	A
LA	2	460.000	30.000	0.90	0.11	A
LA	3	510.000	30.000	1.00	0.12	A
NA	1	69.200	6.200	0.14	0.02	N
OI	1	480.000	6.000	0.94	0.10	A
OR	1	380.000	20.000	0.74	0.09	A
OT	1	440.000	30.000	0.86	0.11	A
PC	1	371.000	8.500	0.73	0.08	A
PC	2	370.000	8.500	0.72	0.08	A
RE	1	484.000	55.600	0.95	0.15	A
RI	1	188.000	57.000	0.37	0.12	N
SR	1	274.000	28.000	0.54	0.08	W
SW	1	269.000	39.400	0.52	0.09	W
TI	1	430.000	10.000	0.84	0.09	A
TM	1	610.000	37.400	1.19	0.14	W
TN	1	531.000	53.000	1.04	0.15	A
TO	1	559.000	75.900	1.09	0.19	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: VE
Radionuclide: SR 90

EML Value: 512.000
EML Error: 52.500

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
WA	1	560.000	11.000	1.09	0.11	A
WC	1	469.000	69.000	0.92	0.16	A
WN	1	435.000	88.000	0.85	0.19	A
WP	1	440.000	37.000	0.86	0.11	A
YA	1	475.000	21.000	0.93	0.10	A

Total Number Reported: 51

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: WA
Radionuclide: AM241

EML Value: 1.330
EML Error: 0.073

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	1.330	0.073	1.00	0.08	A
AC	1	1.400	0.130	1.05	0.11	A
AE	1	1.140	0.050	0.86	0.06	A
AG	1	1.460	0.070	1.10	0.08	A
AG	2	1.460	0.070	1.10	0.08	A
AG	2	1.460	0.150	1.10	0.13	A
AM	1	2.570	1.220	1.93	0.92	N
AN	1	1.380	0.038	1.04	0.06	A
AR	1	1.510	0.150	1.14	0.13	A
AT	1	0.930	0.150	0.70	0.12	W
AU	1	1.250	0.085	0.94	0.08	A
AW	1	0.790	0.320	0.59	0.24	W
BE	1	1.410	0.037	1.06	0.06	A
BL	1	1.470	0.060	1.11	0.08	A
BL	2	1.380	0.060	1.04	0.07	A
BM	1	1.330	0.150	1.00	0.13	A
BS	1	1.170	0.400	0.88	0.31	A
BU	1	0.900	0.200	0.68	0.16	W
BX	1	0.814	0.000	0.61	0.03	W
CC	1	1.370	0.110	1.03	0.10	A
CH	1	1.320	0.238	0.99	0.19	A
CL	1	2.210	0.590	1.66	0.45	N
CP	1	1.130	0.160	0.85	0.13	A
CS	1	1.550	0.180	1.17	0.15	A
EB	1	1.250	0.091	0.94	0.09	A
EE	1	1.370	0.100	1.03	0.09	A
EG	1	1.370	0.090	1.03	0.09	A
EL	1	0.350	0.020	0.26	0.02	N
ES	1	1.310	0.171	0.99	0.14	A
ET	1	1.520	0.099	1.14	0.10	A
FG	1	1.720	0.300	1.29	0.24	W
FL	1	1.700	0.040	1.28	0.08	W
GA	1	1.590	0.000	1.20	0.07	W
GE	1	0.800	0.090	0.60	0.08	W
HA	1	1.170	0.200	0.88	0.16	A
HI	1	1.800	1.600	1.35	1.21	W
HL	1	3.400	1.100	2.56	0.84	N
IE	1	1.340	0.192	1.01	0.16	A
IN	1	1.550	0.290	1.17	0.23	A
IS	1	1.410	0.540	1.06	0.41	A
IT	1	0.957	0.138	0.72	0.11	W
LA	1	0.112	0.016	0.08	0.01	N
LA	2	0.118	0.018	0.09	0.01	N
LA	3	0.125	0.018	0.09	0.01	N
LB	1	1.800	0.000	1.35	0.07	W
LH	1	1.340	0.230	1.01	0.18	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: WA
Radionuclide: AM241

EML Value: 1.330
EML Error: 0.073

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
MI	1	2.750	0.173	2.07	0.17	N
MI	2	2.710	0.171	2.04	0.17	N
NA	1	1.320	0.060	0.99	0.07	A
NJ	1	1.700	0.570	1.28	0.43	W
OD	1	1.370	0.128	1.03	0.11	A
OR	1	1.400	0.100	1.05	0.09	A
OT	1	1.200	0.200	0.90	0.16	A
PC	1	1.500	0.160	1.13	0.14	A
RE	1	1.310	0.240	0.99	0.19	A
RF	1	1.440	0.162	1.08	0.14	A
RG	1	1.370	0.456	1.03	0.35	A
RG	2	1.370	0.460	1.03	0.35	A
RI	1	1.400	0.180	1.05	0.15	A
SC	1	1.200	0.030	0.90	0.05	A
SK	1	1.430	0.080	1.08	0.08	A
SR	1	1.340	0.190	1.01	0.15	A
SW	1	1.680	0.120	1.26	0.11	W
TI	1	1.400	0.200	1.05	0.16	A
TM	1	1.380	0.066	1.04	0.08	A
TN	1	1.360	0.207	1.02	0.17	A
TO	1	1.310	0.181	0.99	0.15	A
UP	1	1.310	0.370	0.99	0.28	A
UY	1	1.600	0.400	1.20	0.31	W
WA	1	1.310	0.090	0.99	0.09	A
WC	1	1.630	0.285	1.23	0.23	W
WP	1	1.300	0.190	0.98	0.15	A
YA	1	1.590	0.004	1.20	0.07	W

Total Number Reported: 73

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: WA
Radionuclide: CO 60

EML Value: 196.000
EML Error: 3.490

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	196.000	3.490	1.00	0.03	A
AC	1	208.000	3.000	1.06	0.02	A
AE	1	207.000	8.000	1.06	0.04	A
AG	1	202.000	15.000	1.03	0.08	A
AG	2	202.000	20.000	1.03	0.10	A
AM	1	233.000	1.590	1.19	0.02	N
AN	1	233.000	3.400	1.19	0.03	N
AR	1	218.000	11.000	1.11	0.06	W
AT	1	221.000	8.900	1.13	0.05	W
AU	1	208.000	1.800	1.06	0.02	A
AW	1	195.000	29.300	1.00	0.15	A
BA	1	212.000	7.400	1.08	0.04	A
BE	1	210.000	17.300	1.07	0.09	A
BK	1	219.000	3.290	1.12	0.03	W
BL	1	230.000	7.000	1.17	0.04	W
BM	1	198.000	2.400	1.01	0.02	A
BN	1	206.000	12.200	1.05	0.07	A
BQ	1	226.000	1.000	1.15	0.02	W
BR	1	204.000	3.700	1.04	0.03	A
BS	1	206.000	0.800	1.05	0.02	A
BU	1	230.000	10.000	1.17	0.06	W
BX	1	209.000	0.000	1.07	0.02	A
CA	1	221.000	3.400	1.13	0.03	W
CC	1	195.000	3.000	1.00	0.02	A
CH	1	186.000	3.370	0.95	0.02	A
CL	1	233.000	6.460	1.19	0.04	N
CP	1	207.000	24.000	1.06	0.12	A
CS	1	211.000	6.440	1.08	0.04	A
DC	1	230.000	0.000	1.17	0.02	W
EE	1	204.000	7.020	1.04	0.04	A
EG	1	209.000	15.000	1.07	0.08	A
EL	1	195.000	8.300	1.00	0.05	A
EP	1	245.000	10.200	1.25	0.06	N
ES	1	210.000	1.680	1.07	0.02	A
ET	1	247.000	8.100	1.26	0.05	N
FG	1	234.000	9.600	1.19	0.05	N
FL	1	200.000	1.000	1.02	0.02	A
FM	1	206.000	2.300	1.05	0.02	A
FN	1	198.000	14.000	1.01	0.07	A
GA	1	212.000	0.000	1.08	0.02	A
GE	1	203.000	3.420	1.04	0.03	A
HA	1	220.000	30.000	1.12	0.15	W
HI	1	201.000	10.400	1.03	0.06	A
HL	1	181.000	15.600	0.92	0.08	A
ID	1	218.000	11.000	1.11	0.06	W
IE	1	207.000	1.490	1.06	0.02	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: WA
Radionuclide: CO 60

EML Value: 196.000
EML Error: 3.490

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
IN	1	227.000	17.200	1.16	0.09	W
IS	1	219.000	11.000	1.12	0.06	W
IT	1	228.000	3.700	1.16	0.03	W
KA	1	208.000	3.000	1.06	0.02	A
LA	1	216.000	22.000	1.10	0.11	A
LA	2	216.000	22.000	1.10	0.11	A
LA	3	219.000	22.000	1.12	0.11	W
LB	1	227.000	14.000	1.16	0.07	W
LH	1	193.000	21.000	0.99	0.11	A
LL	1	200.000	5.250	1.02	0.03	A
LM	1	250.000	8.400	1.28	0.05	N
LW	1	185.000	5.180	0.94	0.03	A
ME	1	206.000	9.580	1.05	0.05	A
MI	1	224.000	7.330	1.14	0.04	W
MI	2	228.000	7.460	1.16	0.04	W
NA	1	211.000	1.200	1.08	0.02	A
NC	1	203.000	4.100	1.04	0.03	A
NJ	1	213.000	14.000	1.09	0.07	A
NJ	2	219.000	5.000	1.12	0.03	W
NL	1	200.000	4.000	1.02	0.03	A
OD	1	209.000	1.970	1.07	0.02	A
OI	1	169.000	1.000	0.86	0.02	W
OL	1	214.000	2.200	1.09	0.02	A
OR	1	200.000	10.000	1.02	0.05	A
OS	1	191.000	0.770	0.97	0.02	A
OT	1	200.000	10.000	1.02	0.05	A
PC	1	197.000	13.000	1.01	0.07	A
RE	1	216.000	11.300	1.10	0.06	A
RF	1	89.800	0.800	0.46	0.01	N
RI	1	217.000	3.000	1.11	0.03	W
SA	1	205.000	20.000	1.05	0.10	A
SC	1	206.000	1.000	1.05	0.02	A
SK	1	219.000	10.000	1.12	0.05	W
SR	1	216.000	4.000	1.10	0.03	A
SW	1	213.000	1.300	1.09	0.02	A
TI	1	228.000	22.800	1.16	0.12	W
TM	1	214.000	6.510	1.09	0.04	A
TN	1	196.000	7.200	1.00	0.04	A
TO	1	212.000	4.160	1.08	0.03	A
UC	1	194.000	1.490	0.99	0.02	A
UK	1	227.000	3.400	1.16	0.03	W
UP	1	213.000	4.030	1.09	0.03	A
UY	1	220.000	13.000	1.12	0.07	W
WA	1	206.000	4.000	1.05	0.03	A
WC	1	220.000	22.500	1.12	0.12	W
WI	1	212.000	16.000	1.08	0.08	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: WA
Radionuclide: CO 60

EML Value: 196.000
EML Error: 3.490

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
WN	1	213.000	12.000	1.09	0.06	A
WP	1	211.000	21.000	1.08	0.11	A
WV	1	210.000	2.000	1.07	0.02	A
YA	1	200.000	1.000	1.02	0.02	A

Total Number Reported: 96

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: WA
Radionuclide: CS134

EML Value: 83.500
EML Error: 1.800

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	83.500	1.800	1.00	0.03	A
AC	1	95.500	1.700	1.14	0.03	A
AE	1	99.000	8.000	1.19	0.10	W
AG	1	109.000	3.000	1.31	0.05	N
AG	2	109.000	11.000	1.31	0.14	N
AM	1	96.100	1.180	1.15	0.03	A
AN	1	94.700	0.100	1.13	0.02	A
AR	1	90.300	5.100	1.08	0.07	A
AT	1	86.500	3.500	1.04	0.05	A
AU	1	83.600	2.700	1.00	0.04	A
AW	1	82.700	12.400	0.99	0.15	A
BA	1	88.200	5.700	1.06	0.07	A
BE	1	91.500	7.610	1.10	0.09	A
BK	1	90.200	3.020	1.08	0.04	A
BL	1	98.000	2.800	1.17	0.04	A
BM	1	96.200	1.600	1.15	0.03	A
BN	1	96.000	5.290	1.15	0.07	A
BQ	1	88.900	0.700	1.07	0.02	A
BR	1	101.000	2.900	1.21	0.04	W
BS	1	89.600	0.600	1.07	0.02	A
BU	1	104.000	8.000	1.25	0.10	W
BX	1	89.500	0.000	1.07	0.02	A
CA	1	94.200	0.500	1.13	0.03	A
CC	1	85.100	1.400	1.02	0.03	A
CH	1	87.700	2.240	1.05	0.04	A
CL	1	102.000	3.090	1.22	0.05	W
CP	1	79.900	9.100	0.96	0.11	A
CS	1	88.100	1.740	1.05	0.03	A
DC	1	95.700	0.000	1.15	0.02	A
EE	1	82.100	2.690	0.98	0.04	A
EG	1	92.000	6.000	1.10	0.08	A
EL	1	77.300	4.100	0.93	0.05	A
EP	1	105.000	98.800	1.26	1.18	W
ES	1	92.700	0.970	1.11	0.03	A
ET	1	98.300	3.020	1.18	0.04	W
FG	1	116.000	4.300	1.39	0.06	N
FL	1	87.200	0.300	1.04	0.02	A
FM	1	88.000	0.980	1.05	0.03	A
FN	1	86.900	6.200	1.04	0.08	A
GA	1	82.600	0.000	0.99	0.02	A
GE	1	87.300	2.140	1.05	0.03	A
HA	1	91.000	10.000	1.09	0.12	A
HI	1	82.100	4.600	0.98	0.06	A
HL	1	87.300	6.000	1.05	0.08	A
HR	1	0.000	2.000	0.00	0.08	N
ID	1	96.000	5.000	1.15	0.06	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: WA
Radionuclide: CS134

EML Value: 83.500
EML Error: 1.800

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
IE	1	91.000	0.990	1.09	0.03	A
IN	1	97.800	7.800	1.17	0.10	A
IS	1	92.100	4.600	1.10	0.06	A
IT	1	96.200	2.340	1.15	0.04	A
KA	1	86.700	3.000	1.04	0.04	A
LA	1	93.200	10.000	1.12	0.12	A
LA	2	94.200	10.200	1.13	0.13	A
LA	3	92.900	10.000	1.11	0.12	A
LB	1	103.000	51.000	1.23	0.61	W
LH	1	80.100	9.700	0.96	0.12	A
LL	1	92.000	3.420	1.10	0.05	A
LW	1	83.300	3.600	1.00	0.05	A
ME	1	82.900	1.790	0.99	0.03	A
NA	1	91.100	0.700	1.09	0.03	A
NC	1	90.200	3.400	1.08	0.05	A
NJ	1	92.200	10.700	1.10	0.13	A
NJ	2	97.000	5.000	1.16	0.06	A
NL	1	81.000	2.000	0.97	0.03	A
OD	1	82.300	1.780	0.99	0.03	A
OI	1	79.200	1.000	0.95	0.02	A
OL	1	87.700	1.900	1.05	0.03	A
OR	1	83.000	2.000	0.99	0.03	A
OS	1	87.400	0.392	1.05	0.02	A
OT	1	87.000	1.000	1.04	0.03	A
PC	1	88.000	5.400	1.05	0.07	A
RE	1	85.900	5.060	1.03	0.06	A
RF	1	38.600	0.700	0.46	0.01	N
RI	1	91.100	2.000	1.09	0.03	A
SA	1	82.000	8.000	0.98	0.10	A
SC	1	88.000	1.000	1.05	0.03	A
SK	1	95.200	6.200	1.14	0.08	A
SR	1	88.000	2.000	1.05	0.03	A
SW	1	89.200	0.800	1.07	0.02	A
TI	1	94.000	9.400	1.13	0.12	A
TM	1	92.500	2.910	1.11	0.04	A
TN	1	104.000	7.800	1.25	0.10	W
TO	1	87.400	2.840	1.05	0.04	A
UK	1	11.100	1.500	0.13	0.02	N
UP	1	91.800	5.360	1.10	0.07	A
UY	1	96.000	8.900	1.15	0.11	A
WA	1	86.100	4.400	1.03	0.06	A
WC	1	74.200	6.000	0.89	0.07	A
WI	1	93.700	5.690	1.12	0.07	A
WN	1	89.000	5.000	1.07	0.06	A
WP	1	87.300	8.900	1.05	0.11	A
WV	1	87.000	1.100	1.04	0.03	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: WA
Radionuclide: CS134

EML Value: 83.500
EML Error: 1.800

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
YA	1	84.400	1.300	1.01	0.03	A

Total Number Reported: 93

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: WA
Radionuclide: CS137

EML Value: 76.800
EML Error: 2.280

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	76.800	2.280	1.00	0.04	A
AC	1	91.600	0.900	1.19	0.04	W
AE	1	84.000	5.700	1.09	0.08	A
AG	1	109.000	3.000	1.42	0.06	N
AG	2	87.700	2.400	1.14	0.05	A
AG	3	87.700	8.800	1.14	0.12	A
AM	1	97.200	1.680	1.27	0.04	W
AN	1	91.000	2.200	1.18	0.05	W
AR	1	91.000	5.300	1.18	0.08	W
AT	1	90.800	5.700	1.18	0.08	W
AU	1	82.200	2.900	1.07	0.05	A
AW	1	78.700	11.800	1.03	0.16	A
BA	1	82.300	7.200	1.07	0.10	A
BC	1	87.000	0.000	1.13	0.03	A
BE	1	87.600	7.690	1.14	0.11	A
BK	1	92.600	3.970	1.21	0.06	W
BL	1	88.300	2.500	1.15	0.05	A
BM	1	90.000	1.800	1.17	0.04	W
BN	1	96.000	6.000	1.25	0.09	W
BQ	1	85.200	0.600	1.11	0.03	A
BR	1	95.900	3.780	1.25	0.06	W
BS	1	82.200	0.500	1.07	0.03	A
BU	1	99.000	7.000	1.29	0.10	W
BX	1	88.400	0.000	1.15	0.03	A
CA	1	92.500	0.300	1.20	0.04	W
CC	1	83.000	1.500	1.08	0.04	A
CH	1	81.800	2.260	1.07	0.04	A
CL	1	99.800	3.340	1.30	0.06	N
CP	1	80.000	8.600	1.04	0.12	A
CS	1	85.000	3.680	1.11	0.06	A
DC	1	95.000	0.000	1.24	0.04	W
EE	1	82.900	1.620	1.08	0.04	A
EG	1	85.000	6.000	1.11	0.08	A
EL	1	68.900	3.100	0.90	0.05	W
EL	2	68.900	3.100	0.90	0.05	W
EP	1	98.600	7.330	1.28	0.10	W
ES	1	88.500	1.380	1.15	0.04	A
ET	1	95.100	5.960	1.24	0.09	W
FG	1	98.800	3.700	1.29	0.06	W
FL	1	83.200	0.500	1.08	0.03	A
FM	1	84.000	1.420	1.09	0.04	A
FN	1	80.000	8.100	1.04	0.11	A
GA	1	84.500	0.000	1.10	0.03	A
GE	1	87.100	2.340	1.13	0.05	A
HA	1	89.900	9.000	1.17	0.12	W
HI	1	81.200	4.700	1.06	0.07	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: WA
Radionuclide: CS137

EML Value: 76.800
EML Error: 2.280

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
HL	1	90.600	11.000	1.18	0.15	W
HR	1	148.000	2.000	1.93	0.06	N
ID	1	91.000	5.000	1.18	0.07	W
IE	1	87.300	0.990	1.14	0.04	A
IN	1	87.500	7.400	1.14	0.10	A
IS	1	89.400	4.500	1.16	0.07	W
IT	1	94.000	1.110	1.22	0.04	W
KA	1	83.300	3.000	1.09	0.05	A
LA	1	88.700	9.500	1.16	0.13	W
LA	2	87.500	9.400	1.14	0.13	A
LA	3	88.900	9.600	1.16	0.13	W
LB	1	90.000	43.000	1.17	0.56	W
LH	1	87.100	14.700	1.13	0.19	A
LL	1	83.500	4.170	1.09	0.06	A
LM	1	96.000	5.600	1.25	0.08	W
LW	1	80.800	4.100	1.05	0.06	A
ME	1	80.100	2.810	1.04	0.05	A
MI	1	77.500	3.660	1.01	0.06	A
MI	2	80.300	3.780	1.05	0.06	A
NA	1	86.100	1.000	1.12	0.04	A
NC	1	79.900	2.400	1.04	0.04	A
NJ	1	85.000	8.000	1.11	0.11	A
NJ	2	88.000	5.000	1.15	0.07	A
NL	1	78.000	2.000	1.02	0.04	A
OD	1	84.300	2.870	1.10	0.05	A
OI	1	72.300	0.800	0.94	0.03	A
OL	1	87.800	1.800	1.14	0.04	A
OR	1	81.000	3.000	1.05	0.05	A
OS	1	83.000	3.000	1.08	0.05	A
OT	1	84.000	2.000	1.09	0.04	A
PC	1	87.000	8.600	1.13	0.12	A
RE	1	86.600	5.200	1.13	0.08	A
RF	1	37.900	0.700	0.49	0.02	N
RI	1	85.100	2.700	1.11	0.05	A
SA	1	81.000	8.000	1.05	0.11	A
SC	1	81.000	1.000	1.05	0.03	A
SK	1	86.900	4.600	1.13	0.07	A
SR	1	89.000	3.000	1.16	0.05	W
SW	1	87.700	1.200	1.14	0.04	A
TI	1	95.800	9.600	1.25	0.13	W
TM	1	90.100	2.880	1.17	0.05	W
TN	1	80.400	6.010	1.05	0.08	A
TO	1	88.700	2.600	1.16	0.05	W
UC	1	78.600	0.870	1.02	0.03	A
UK	1	85.800	2.700	1.12	0.05	A
UP	1	87.300	5.480	1.14	0.08	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: WA
Radionuclide: CS137

EML Value: 76.800
EML Error: 2.280

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
UY	1	91.000	13.000	1.18	0.17	W
WA	1	83.600	6.300	1.09	0.09	A
WC	1	89.200	14.800	1.16	0.20	W
WI	1	84.900	9.290	1.11	0.13	A
WN	1	88.900	5.000	1.16	0.07	W
WP	1	85.100	8.500	1.11	0.12	A
WV	1	83.000	1.200	1.08	0.04	A
YA	1	80.600	1.800	1.05	0.04	A

Total Number Reported: 100

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: WA
Radionuclide: FE 55

EML Value: 119.000
EML Error: 5.820

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	119.000	5.820	1.00	0.07	A
AG	1	151.000	15.000	1.27	0.14	W
BL	1	95.000	6.000	0.80	0.06	A
BL	2	111.000	6.000	0.93	0.07	A
BU	1	49.000	3.000	0.41	0.03	N
BX	1	115.000	0.000	0.97	0.05	A
EG	1	116.000	3.000	0.98	0.05	A
GE	1	149.000	15.500	1.25	0.14	W
HA	1	40.600	4.000	0.34	0.04	N
KA	1	148.000	6.000	1.24	0.08	W
LH	1	108.000	16.000	0.91	0.14	A
SW	1	0.000	0.000	0.00	0.14	N
TI	1	148.000	22.200	1.24	0.20	W
TN	1	117.000	10.400	0.98	0.10	A
WN	1	146.000	28.000	1.23	0.24	W
YA	1	114.000	1.000	0.96	0.05	A

Total Number Reported: 16

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: WA
Radionuclide: GA

EML Value: 1340.000
EML Error: 40.000

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	1340.000	40.000	1.00	0.04	A
AG	1	1420.000	142.000	1.06	0.11	A
AM	1	1010.000	12.900	0.75	0.02	W
AN	1	1430.000	72.000	1.07	0.06	A
AR	1	1400.000	60.000	1.04	0.05	A
BC	1	1660.000	0.000	1.24	0.04	W
BE	1	1560.000	185.000	1.16	0.14	A
BL	1	1350.000	28.000	1.01	0.04	A
BL	2	1280.000	27.000	0.96	0.03	A
BU	1	1440.000	30.000	1.08	0.04	A
BX	1	1630.000	0.000	1.22	0.04	W
CA	1	1120.000	80.000	0.84	0.06	A
CC	1	1400.000	100.000	1.04	0.08	A
CH	1	1470.000	55.600	1.10	0.05	A
CP	1	1650.000	67.000	1.23	0.06	W
DC	1	1390.000	0.000	1.04	0.03	A
EE	1	1880.000	39.500	1.40	0.05	W
EG	1	1330.000	89.000	0.99	0.07	A
ES	1	1460.000	175.000	1.09	0.14	A
ET	1	1320.000	8.380	0.99	0.03	A
FG	1	1320.000	56.000	0.99	0.05	A
FL	1	1770.000	60.000	1.32	0.06	W
GA	1	1400.000	0.000	1.04	0.03	A
GE	1	1750.000	88.100	1.31	0.08	W
GS	1	1810.000	79.000	1.35	0.07	W
HA	1	1300.000	200.000	0.97	0.15	A
HC	1	1360.000	136.000	1.02	0.11	A
HI	1	612.000	50.000	0.46	0.04	N
IE	1	1510.000	18.300	1.13	0.04	A
IR	1	1100.000	0.074	0.82	0.02	A
IS	1	1840.000	184.000	1.37	0.14	W
IT	1	1300.000	91.400	0.97	0.07	A
KA	1	1660.000	127.000	1.24	0.10	W
LA	2	1700.000	333.000	1.27	0.25	W
LA	3	1630.000	333.000	1.22	0.25	W
LA	3	1670.000	333.000	1.25	0.25	W
LB	1	1730.000	207.000	1.29	0.16	W
LH	1	1080.000	101.000	0.81	0.08	A
ML	1	1480.000	84.900	1.10	0.07	A
OB	1	1320.000	130.000	0.99	0.10	A
OT	1	1500.000	100.000	1.12	0.08	A
PA	1	1110.000	25.900	0.83	0.03	A
PA	2	1470.000	18.000	1.10	0.04	A
RG	1	1450.000	51.000	1.08	0.05	A
SC	1	1810.000	36.000	1.35	0.05	W
SK	1	1170.000	120.000	0.87	0.09	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: WA
Radionuclide: GA

EML Value: 1340.000
EML Error: 40.000

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
SR	1	1240.000	47.000	0.93	0.04	A
SV	1	105.000	12.000	0.08	0.01	N
TI	1	1480.000	740.000	1.10	0.55	A
TN	1	1480.000	41.200	1.10	0.05	A
TO	1	1310.000	29.300	0.98	0.04	A
UC	1	1580.000	94.000	1.18	0.08	A
UC	2	1580.000	94.000	1.18	0.08	A
UK	1	929.000	74.000	0.69	0.06	W
UY	1	1200.000	160.000	0.90	0.12	A
WA	1	1420.000	70.000	1.06	0.06	A
WC	1	1610.000	161.000	1.20	0.13	A
WN	1	1250.000	540.000	0.93	0.40	A
WV	1	1.500	2.500	0.00	0.00	N
YA	1	1660.000	27.000	1.24	0.04	W

Total Number Reported: 60

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: WA
Radionuclide: GB

EML Value: 653.000
EML Error: 19.300

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	653.000	19.300	1.00	0.04	A
AG	1	907.000	91.000	1.39	0.15	W
AM	1	835.000	9.300	1.28	0.04	W
AN	1	768.000	38.000	1.18	0.07	A
AR	1	631.000	32.000	0.97	0.06	A
BC	1	1070.000	0.000	1.64	0.05	N
BE	1	770.000	76.000	1.18	0.12	A
BL	1	631.000	17.000	0.97	0.04	A
BL	2	643.000	17.000	0.99	0.04	A
BU	1	490.000	50.000	0.75	0.08	W
BX	1	933.000	0.000	1.43	0.04	W
CA	1	780.000	140.000	1.19	0.22	A
CC	1	700.000	35.000	1.07	0.06	A
CH	1	674.000	38.500	1.03	0.07	A
CP	1	998.000	39.000	1.53	0.07	N
DC	1	866.000	0.000	1.33	0.04	W
EE	1	884.000	19.600	1.35	0.05	W
EG	1	1070.000	168.000	1.64	0.26	N
ES	1	843.000	62.000	1.29	0.10	W
ET	1	642.000	5.230	0.98	0.03	A
FG	1	803.000	59.000	1.23	0.10	W
FL	1	858.000	26.300	1.31	0.06	W
GA	1	1080.000	0.000	1.65	0.05	N
GE	1	898.000	47.700	1.38	0.08	W
GS	1	997.000	28.000	1.53	0.06	N
HA	1	777.000	80.000	1.19	0.13	A
HC	1	844.000	84.000	1.29	0.13	W
HI	1	698.000	40.000	1.07	0.07	A
IE	1	645.000	10.600	0.99	0.03	A
IR	1	459.000	0.002	0.70	0.02	W
IS	1	694.000	69.000	1.06	0.11	A
IT	1	723.000	36.000	1.11	0.06	A
KA	1	880.000	64.000	1.35	0.11	W
LA	2	851.000	74.000	1.30	0.12	W
LA	3	851.000	74.000	1.30	0.12	W
LA	3	851.000	74.000	1.30	0.12	W
LB	1	652.000	24.000	1.00	0.05	A
LH	1	601.000	54.000	0.92	0.09	A
ML	1	784.000	70.500	1.20	0.11	A
OB	1	574.000	50.000	0.88	0.08	A
OT	1	1000.000	100.000	1.53	0.16	N
PA	1	740.000	17.000	1.13	0.04	A
PA	2	643.000	10.000	0.99	0.03	A
RG	1	722.000	55.000	1.11	0.09	A
SC	1	738.000	15.000	1.13	0.04	A
SK	1	587.000	60.000	0.90	0.10	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: WA
Radionuclide: GB

EML Value: 653.000
EML Error: 19.300

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
SR	1	666.000	26.000	1.02	0.05	A
SV	1	652.000	16.000	1.00	0.04	A
TI	1	960.000	40.000	1.47	0.08	W
TN	1	671.000	13.000	1.03	0.04	A
TO	1	912.000	22.400	1.40	0.05	W
UC	1	835.000	42.000	1.28	0.07	W
UK	1	644.000	32.000	0.99	0.06	A
UY	1	960.000	140.000	1.47	0.22	W
WA	1	916.000	39.000	1.40	0.07	W
WC	1	958.000	95.800	1.47	0.15	W
WN	1	786.000	127.000	1.20	0.20	A
WV	1	9.500	1.700	0.02	0.00	N
YA	1	661.000	14.000	1.01	0.04	A

Total Number Reported: 59

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: WA
Radionuclide: H 3

EML Value: 60.300
EML Error: 2.310

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	60.300	2.310	1.00	0.05	A
AE	1	55.300	8.200	0.92	0.14	A
AG	1	43.500	6.900	0.72	0.12	W
AG	2	43.100	4.300	0.72	0.08	W
AN	1	49.200	1.170	0.82	0.04	W
AR	1	59.400	7.700	0.99	0.13	A
AT	1	35.500	2.500	0.59	0.05	N
AU	1	41.800	6.800	0.69	0.12	W
AW	1	49.200	4.900	0.82	0.09	W
BE	1	69.600	15.600	1.15	0.26	A
BL	1	63.700	5.800	1.06	0.10	A
BN	1	56.700	11.000	0.94	0.19	A
BU	1	78.000	2.000	1.29	0.06	W
BX	1	41.400	0.000	0.69	0.03	W
CC	1	46.500	3.500	0.77	0.07	W
CH	1	44.600	10.100	0.74	0.17	W
CL	1	89.200	8.400	1.48	0.15	W
CP	1	62.600	11.400	1.04	0.19	A
EB	1	85.600	0.000	1.42	0.05	W
EG	1	53.000	13.000	0.88	0.22	A
EL	1	47.500	6.700	0.79	0.12	W
ES	1	93.400	16.300	1.55	0.28	W
ET	1	55.300	1.190	0.92	0.04	A
FG	1	67.000	11.000	1.11	0.19	A
FL	1	52.000	1.650	0.86	0.04	A
FN	1	52.800	11.100	0.88	0.19	A
GE	1	44.000	22.900	0.73	0.38	W
HA	1	47.800	15.000	0.79	0.25	W
HC	1	50.100	5.000	0.83	0.09	A
HI	1	185.000	6.000	3.07	0.15	N
HL	1	48.200	4.600	0.80	0.08	W
ID	1	78.000	7.000	1.29	0.13	W
IE	1	71.500	7.870	1.19	0.14	A
IS	1	93.700	11.300	1.55	0.20	W
IT	1	53.400	0.480	0.89	0.03	A
KA	1	57.400	7.500	0.95	0.13	A
LA	1	69.200	14.800	1.15	0.25	A
LA	2	66.200	14.800	1.10	0.25	A
LA	3	68.800	14.800	1.14	0.25	A
LB	1	146.000	29.000	2.42	0.49	N
LH	1	48.000	9.300	0.80	0.16	W
LL	1	56.700	3.170	0.94	0.06	A
LM	1	78.000	8.000	1.29	0.14	W
LW	1	49.200	1.780	0.82	0.04	W
ME	1	52.500	8.500	0.87	0.15	A
MI	1	70.000	0.000	1.16	0.04	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: WA
Radionuclide: H 3

EML Value: 60.300
EML Error: 2.310

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
MI	2	75.000	0.000	1.24	0.05	A
ML	1	44.800	5.460	0.74	0.09	W
NA	1	48.700	4.040	0.81	0.07	W
NJ	1	53.300	4.400	0.88	0.08	A
OD	1	68.500	12.400	1.14	0.21	A
OR	1	54.000	11.000	0.90	0.19	A
PA	1	70.300	9.600	1.17	0.17	A
PB	1	57.800	8.600	0.96	0.15	A
PC	1	58.000	13.000	0.96	0.22	A
PI	2	52.600	7.600	0.87	0.13	A
PR	1	55.100	0.000	0.91	0.04	A
PR	2	55.100	2.810	0.91	0.06	A
PR	2	56.400	0.000	0.94	0.04	A
PR	2	56.400	2.810	0.94	0.06	A
PR	3	55.700	0.000	0.92	0.04	A
PR	3	55.700	2.810	0.92	0.06	A
RE	1	61.000	8.240	1.01	0.14	A
RF	1	56.800	7.660	0.94	0.13	A
RG	1	50.100	3.500	0.83	0.07	A
RI	1	74.700	2.100	1.24	0.06	A
SC	1	43.000	0.800	0.71	0.03	W
SK	1	51.600	1.400	0.86	0.04	A
SR	1	71.000	5.000	1.18	0.09	A
SW	1	187.000	34.000	3.10	0.58	N
TI	1	62.900	0.600	1.04	0.04	A
TM	1	54.700	5.740	0.91	0.10	A
TN	1	51.600	5.650	0.86	0.10	A
TO	1	35.200	1.230	0.58	0.03	N
UP	1	62.800	3.530	1.04	0.07	A
WA	1	55.900	4.800	0.93	0.09	A
WC	1	55.500	5.600	0.92	0.10	A
WN	1	47.600	11.700	0.79	0.20	W
WP	1	44.000	7.000	0.73	0.12	W
WV	1	52.000	3.700	0.86	0.07	A
YA	1	36.200	3.200	0.60	0.06	N

Total Number Reported: 81

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: WA
Radionuclide: MN 54

EML Value: 43.500
EML Error: 2.060

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	43.500	2.060	1.00	0.07	A
AC	1	52.100	0.700	1.20	0.06	W
AE	1	44.300	3.700	1.02	0.10	A
AG	1	48.700	1.500	1.12	0.06	A
AG	2	48.700	4.900	1.12	0.12	A
AM	1	51.600	1.410	1.19	0.06	W
AN	1	48.900	1.400	1.12	0.06	A
AR	1	52.600	3.600	1.21	0.10	W
AT	1	47.100	3.120	1.08	0.09	A
AU	1	46.500	4.400	1.07	0.11	A
AW	1	43.500	6.500	1.00	0.16	A
BA	1	51.000	6.200	1.17	0.15	W
BE	1	49.600	4.780	1.14	0.12	A
BK	1	49.300	2.090	1.13	0.07	A
BL	1	52.100	1.600	1.20	0.07	W
BM	1	47.400	1.700	1.09	0.06	A
BN	1	48.300	3.060	1.11	0.09	A
BQ	1	47.900	0.600	1.10	0.05	A
BR	1	50.700	3.960	1.17	0.11	W
BS	1	47.000	0.500	1.08	0.05	A
BU	1	55.000	3.000	1.26	0.09	N
BX	1	49.200	0.000	1.13	0.05	A
CA	1	50.400	1.000	1.16	0.06	W
CC	1	45.700	1.500	1.05	0.06	A
CH	1	45.100	2.250	1.04	0.07	A
CL	1	53.100	2.440	1.22	0.08	W
CP	1	44.100	5.600	1.01	0.14	A
CS	1	50.900	2.300	1.17	0.08	W
DC	1	53.000	0.000	1.22	0.06	W
EE	1	47.400	1.810	1.09	0.07	A
EG	1	47.000	4.000	1.08	0.11	A
EL	1	57.200	4.300	1.32	0.12	N
EP	1	55.200	6.430	1.27	0.16	N
ES	1	48.300	1.240	1.11	0.06	A
ET	1	56.900	3.250	1.31	0.10	N
FL	1	46.000	0.700	1.06	0.05	A
FM	1	46.000	0.980	1.06	0.05	A
FN	1	44.400	4.600	1.02	0.12	A
GA	1	47.100	0.000	1.08	0.05	A
GE	1	48.200	1.930	1.11	0.07	A
HA	1	43.700	5.000	1.01	0.12	A
HI	1	45.400	0.260	1.04	0.05	A
HL	1	48.400	6.400	1.11	0.16	A
ID	1	48.000	2.000	1.10	0.07	A
IE	1	47.600	0.980	1.09	0.06	A
IN	1	51.200	4.700	1.18	0.12	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: WA
Radionuclide: MN 54

EML Value: 43.500
EML Error: 2.060

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
IS	1	50.100	2.500	1.15	0.08	W
IT	1	53.300	1.320	1.23	0.07	W
KA	1	47.300	2.000	1.09	0.07	A
LA	1	49.500	5.800	1.14	0.14	A
LA	2	49.100	5.800	1.13	0.14	A
LA	3	49.600	5.800	1.14	0.14	A
LB	1	47.000	25.000	1.08	0.58	A
LH	1	60.000	11.200	1.38	0.27	N
LL	1	44.600	3.410	1.03	0.09	A
LM	1	56.000	5.600	1.29	0.14	N
LW	1	44.900	3.280	1.03	0.09	A
ME	1	44.600	2.000	1.03	0.07	A
MI	1	45.900	2.240	1.05	0.07	A
MI	2	47.400	2.300	1.09	0.07	A
NA	1	47.500	0.800	1.09	0.05	A
NC	1	50.600	1.500	1.16	0.07	W
NJ	1	47.000	5.000	1.08	0.13	A
NJ	2	49.000	3.000	1.13	0.09	A
NL	1	48.000	2.000	1.10	0.07	A
OD	1	46.400	2.150	1.07	0.07	A
OI	1	39.400	1.000	0.91	0.05	W
OL	1	49.800	1.300	1.15	0.06	W
OR	1	45.000	2.000	1.03	0.07	A
OS	1	46.400	0.370	1.07	0.05	A
OT	1	47.000	1.000	1.08	0.06	A
PC	1	48.000	5.000	1.10	0.13	A
RE	1	49.000	3.590	1.13	0.10	A
RF	1	20.700	0.700	0.48	0.03	N
RI	1	50.700	2.300	1.17	0.08	W
SA	1	45.000	4.500	1.03	0.11	A
SC	1	41.000	1.000	0.94	0.05	A
SK	1	47.500	1.400	1.09	0.06	A
SR	1	50.000	1.000	1.15	0.06	W
SW	1	49.200	1.100	1.13	0.06	A
TI	1	51.400	5.100	1.18	0.13	W
TM	1	49.200	1.880	1.13	0.07	A
TN	1	42.600	6.010	0.98	0.15	A
TO	1	49.000	1.470	1.13	0.06	A
UK	1	52.200	2.700	1.20	0.08	W
UP	1	49.200	3.770	1.13	0.10	A
UY	1	54.000	12.000	1.24	0.28	W
WA	1	47.500	4.800	1.09	0.12	A
WC	1	50.300	8.500	1.16	0.20	W
WI	1	46.700	5.420	1.07	0.14	A
WN	1	49.900	3.100	1.15	0.09	W
WP	1	45.300	4.400	1.04	0.11	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: WA
Radionuclide: MN 54

EML Value: 43.500
EML Error: 2.060

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
WV	1	48.000	1.200	1.10	0.06	A
YA	1	44.500	0.580	1.02	0.05	A

Total Number Reported: 94

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: WA
Radionuclide: PU239

EML Value: 0.591
EML Error: 0.047

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	0.591	0.047	1.00	0.11	A
AG	1	0.680	0.040	1.15	0.11	A
AG	2	0.680	0.070	1.15	0.15	A
AM	1	4.060	2.280	6.87	3.90	N
AN	1	0.714	0.018	1.21	0.10	W
AR	1	0.801	0.112	1.36	0.22	N
AT	1	0.832	0.203	1.41	0.36	N
AU	1	0.673	0.072	1.14	0.15	A
BE	1	0.674	0.030	1.14	0.11	A
BL	1	0.650	0.040	1.10	0.11	A
BL	2	0.730	0.070	1.24	0.15	W
BM	1	0.680	0.090	1.15	0.18	A
BM	2	0.660	0.070	1.12	0.15	A
BU	1	0.560	0.050	0.95	0.11	A
BX	1	0.629	0.000	1.06	0.09	A
CC	1	0.680	0.060	1.15	0.14	A
CH	1	0.792	0.082	1.34	0.18	W
CL	1	0.950	0.310	1.61	0.54	N
CP	1	0.228	0.093	0.39	0.16	N
DC	1	122.000	0.000	206.00	16.60	N
EB	1	0.601	0.052	1.02	0.12	A
EE	1	0.707	0.057	1.20	0.14	W
EG	1	0.640	0.050	1.08	0.12	A
EP	1	0.651	0.069	1.10	0.15	A
ES	1	0.633	0.071	1.07	0.15	A
ET	1	0.648	0.054	1.10	0.13	A
FG	1	0.800	0.200	1.35	0.36	N
FL	1	0.653	0.011	1.11	0.09	A
GA	1	0.670	0.000	1.13	0.09	A
GE	1	0.760	0.090	1.29	0.18	W
HA	1	1.130	0.200	1.91	0.37	N
HA	2	0.710	0.080	1.20	0.17	W
HI	1	0.633	0.100	1.07	0.19	A
IE	1	0.702	0.101	1.19	0.20	W
IN	1	0.660	0.110	1.12	0.21	A
IS	1	0.635	0.122	1.07	0.22	A
IT	1	0.660	0.075	1.12	0.16	A
KA	1	0.670	0.004	1.13	0.09	A
LA	1	0.700	0.280	1.18	0.48	W
LA	2	0.620	0.250	1.05	0.43	A
LA	3	0.690	0.280	1.17	0.48	W
LH	1	1.240	0.230	2.10	0.42	N
LL	1	0.678	0.051	1.15	0.13	A
ML	1	0.713	0.051	1.21	0.13	W
NA	1	0.610	0.050	1.03	0.12	A
NL	1	0.690	0.040	1.17	0.12	W

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: WA
Radionuclide: PU239

EML Value: 0.591
EML Error: 0.047

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
NY	1	0.583	0.017	0.99	0.08	A
OB	1	1.400	0.100	2.37	0.25	N
OD	1	0.594	0.065	1.01	0.14	A
OR	1	0.650	0.060	1.10	0.13	A
OT	1	0.660	0.100	1.12	0.19	A
PA	1	0.740	0.090	1.25	0.18	W
PB	1	0.730	0.120	1.24	0.23	W
PC	1	0.670	0.075	1.13	0.16	A
PI	2	0.678	0.065	1.15	0.14	A
RE	1	0.616	0.068	1.04	0.14	A
RF	1	0.685	0.090	1.16	0.18	A
RG	1	0.656	0.029	1.11	0.10	A
RG	2	0.656	0.029	1.11	0.10	A
RI	1	0.633	0.033	1.07	0.10	A
SC	1	0.575	0.020	0.97	0.09	A
SK	1	0.564	0.038	0.95	0.10	A
SR	1	0.588	0.021	1.00	0.09	A
SW	1	0.900	0.080	1.52	0.18	N
TI	1	0.700	0.200	1.18	0.35	W
TM	1	0.695	0.043	1.18	0.12	W
TN	1	0.684	0.078	1.16	0.16	A
TO	1	0.943	0.078	1.60	0.18	N
UC	1	0.620	0.120	1.05	0.22	A
UP	1	0.674	0.168	1.14	0.30	A
UY	1	0.770	0.200	1.30	0.35	W
WA	1	0.615	0.063	1.04	0.14	A
WC	1	0.708	0.131	1.20	0.24	W
WN	1	0.738	0.139	1.25	0.26	W
WP	1	0.560	0.150	0.95	0.27	A
YA	1	0.630	0.017	1.07	0.09	A

Total Number Reported: 76

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: WA
Radionuclide: SR 90

EML Value: 2.400
EML Error: 0.225

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	2.400	0.225	1.00	0.13	A
AC	1	2.500	0.120	1.04	0.11	A
AG	1	2.770	0.170	1.15	0.13	A
AG	2	2.770	0.280	1.15	0.16	A
AN	1	2.360	0.040	0.98	0.09	A
AR	1	2.830	0.390	1.18	0.20	W
AU	1	2.170	0.200	0.90	0.12	A
BA	1	2.000	0.300	0.83	0.15	W
BC	1	2.120	0.000	0.88	0.08	A
BE	1	2.100	0.330	0.88	0.16	A
BL	1	2.270	1.070	0.95	0.46	A
BM	1	1.890	0.280	0.79	0.14	W
BN	1	1.800	0.000	0.75	0.07	W
BU	1	1.800	0.200	0.75	0.11	W
BX	1	2.790	0.000	1.16	0.11	A
CC	1	2.230	0.170	0.93	0.11	A
CH	1	2.370	0.268	0.99	0.15	A
CL	1	2.270	0.500	0.95	0.23	A
DC	1	2.150	0.000	0.90	0.08	A
EE	1	2.360	0.500	0.98	0.23	A
EG	1	2.100	0.200	0.88	0.12	A
EL	1	1.670	0.500	0.70	0.22	W
EP	1	2.600	0.402	1.08	0.20	A
ES	1	5.190	0.910	2.16	0.43	N
ET	1	1.970	0.045	0.82	0.08	W
FG	1	2.990	0.200	1.25	0.14	W
GE	1	2.030	0.170	0.85	0.11	A
HA	1	1.840	0.200	0.77	0.11	W
HI	1	2.960	0.300	1.23	0.17	W
HL	1	3.500	0.300	1.46	0.19	N
HR	1	2.800	0.300	1.17	0.17	W
IN	1	2.210	0.670	0.92	0.29	A
IS	1	1.590	0.170	0.66	0.09	W
IT	1	3.090	0.202	1.29	0.15	W
KA	1	2.170	0.360	0.90	0.17	A
LA	1	2.090	0.330	0.87	0.16	A
LA	2	2.360	0.360	0.98	0.18	A
LA	3	2.650	0.380	1.10	0.19	A
LH	1	2.460	0.550	1.03	0.25	A
NA	1	2.050	0.270	0.85	0.14	A
NJ	1	2.490	0.180	1.04	0.12	A
OD	1	1.980	0.360	0.83	0.17	W
OR	1	2.000	0.200	0.83	0.11	W
OT	1	2.500	0.900	1.04	0.39	A
PC	1	2.500	0.370	1.04	0.18	A
RE	1	2.370	0.196	0.99	0.12	A

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: WA
Radionuclide: SR 90

EML Value: 2.400
EML Error: 0.225

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
RI	1	2.320	0.530	0.97	0.24	A
SR	1	2.200	0.500	0.92	0.23	A
SW	1	4.100	0.460	1.71	0.25	N
TI	1	2.300	0.200	0.96	0.12	A
TM	1	2.120	0.176	0.88	0.11	A
TN	1	2.410	0.240	1.00	0.14	A
TO	1	2.040	0.420	0.85	0.19	A
UP	1	2.070	0.650	0.86	0.28	A
UY	1	3.200	1.800	1.33	0.76	W
WA	1	2.540	0.270	1.06	0.15	A
WC	1	2.130	0.400	0.89	0.19	A
WN	1	2.200	0.500	0.92	0.23	A
WP	1	2.600	0.410	1.08	0.20	A
WV	1	3.100	0.410	1.29	0.21	W
YA	1	2.100	0.088	0.88	0.09	A

Total Number Reported: 61

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: WA
Radionuclide: U 234

EML Value: 0.373
EML Error: 0.013

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	0.373	0.013	1.00	0.05	A
AC	1	0.350	0.040	0.94	0.11	A
AE	1	0.380	0.050	1.02	0.14	A
AG	1	0.417	0.042	1.12	0.12	A
AN	1	0.406	0.012	1.09	0.05	A
AR	1	0.376	0.074	1.01	0.20	A
AT	1	0.407	0.113	1.09	0.31	A
BC	1	0.372	0.000	1.00	0.03	A
BE	1	0.397	0.022	1.06	0.07	A
BL	1	0.038	0.000	0.10	0.00	N
BL	2	0.044	0.000	0.12	0.00	N
BM	1	0.420	0.050	1.13	0.14	A
BM	2	0.410	0.050	1.10	0.14	A
BX	1	0.455	0.000	1.22	0.04	W
CC	1	0.385	0.015	1.03	0.05	A
CH	1	0.338	0.053	0.91	0.15	A
CL	1	0.450	0.280	1.21	0.75	W
EB	1	0.268	0.036	0.72	0.10	N
EG	1	0.390	0.040	1.05	0.11	A
EL	1	0.620	0.020	1.66	0.08	N
ES	1	0.340	0.040	0.91	0.11	A
GE	1	0.300	0.050	0.80	0.14	W
HA	1	0.360	0.060	0.97	0.16	A
HL	1	0.310	0.110	0.83	0.30	W
IE	1	0.425	0.070	1.14	0.19	A
IN	1	0.370	0.150	0.99	0.40	A
IS	1	0.512	0.103	1.37	0.28	W
LH	1	0.491	0.143	1.32	0.39	W
ML	1	0.350	0.017	0.94	0.06	A
NA	1	0.520	0.060	1.39	0.17	W
NJ	1	0.407	0.026	1.09	0.08	A
OB	1	0.680	0.100	1.82	0.28	N
OD	1	0.355	0.038	0.95	0.11	A
PA	1	0.330	0.050	0.89	0.14	A
PB	1	0.400	0.070	1.07	0.19	A
PC	1	0.360	0.067	0.97	0.18	A
RE	1	0.356	0.026	0.95	0.08	A
RF	1	0.401	0.059	1.08	0.16	A
SC	1	0.310	0.010	0.83	0.04	W
SR	1	0.356	0.056	0.95	0.15	A
TI	1	0.480	0.110	1.29	0.30	W
TM	1	0.402	0.040	1.08	0.11	A
TN	1	0.385	0.050	1.03	0.14	A
TO	1	0.370	0.078	0.99	0.21	A
WA	1	0.280	0.043	0.75	0.12	N

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: WA
Radionuclide: U 234

EML Value: 0.373
EML Error: 0.013

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
YA	1	0.376	0.011	1.01	0.05	A

Total Number Reported: 46

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in $\mu\text{g}/\text{filter}$, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: WA
Radionuclide: U 235

EML Value: 0.196
EML Error: 0.006

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	0.196	0.006	1.00	0.04	A
AN	1	0.241	0.010	1.23	0.06	W
CC	1	0.230	0.030	1.17	0.16	A
EB	1	0.065	0.008	0.33	0.04	N
EG	1	0.200	0.030	1.02	0.16	A
IN	1	0.250	0.100	1.28	0.51	W
ML	1	0.228	0.014	1.16	0.08	A
NA	1	0.200	0.030	1.02	0.16	A
NJ	1	0.198	0.014	1.01	0.08	A
OD	1	0.165	0.019	0.84	0.10	W
SR	1	0.252	0.052	1.29	0.27	W
TI	1	0.160	0.060	0.82	0.31	W
WA	1	0.148	0.030	0.76	0.16	W
YA	1	0.236	0.020	1.20	0.11	W

Total Number Reported: 14

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: WA
Radionuclide: U BQ

EML Value: 0.568
EML Error: 0.028

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	0.568	0.028	1.00	0.07	A
AU	1	0.557	0.047	0.98	0.10	A
BL	1	0.077	0.001	0.14	0.01	N
BL	2	0.088	0.001	0.16	0.01	N
BU	1	0.600	0.100	1.06	0.18	A
CL	1	0.550	0.060	0.97	0.12	A
ES	1	0.603	0.082	1.06	0.15	A
FG	1	0.660	0.200	1.16	0.36	A
GA	1	0.620	0.000	1.09	0.05	A
GA	2	0.000	0.000	0.00	0.05	N
GS	1	0.057	0.001	0.10	0.01	N
HI	1	0.526	0.170	0.93	0.30	A
HL	1	0.630	0.230	1.11	0.41	A
OI	1	0.480	0.060	0.85	0.11	A
OR	1	0.660	0.080	1.16	0.15	A
OT	1	0.600	0.300	1.06	0.53	A
PI	1	0.589	0.060	1.04	0.12	A
SK	1	0.611	0.048	1.08	0.10	A
WA	1	0.455	0.056	0.80	0.11	A

Total Number Reported: 19

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
 Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Results by Nuclide

Matrix: WA
Radionuclide: U UG

EML Value: 0.003
EML Error: 0.000

Labcode	Test #	Reported Value	Error	Reported EML	Ratio Error	Evaluation
AA	1	0.003	0.000	1.00	0.07	A
AG	1	0.003	0.000	1.29	0.13	N
AG	2	0.003	0.000	1.29	0.10	N
AR	1	0.003	0.000	1.13	0.13	A
CA	1	0.005	0.001	2.04	0.22	N
CC	1	0.003	0.000	1.31	0.17	N
EL	1	0.003	0.000	1.04	0.06	A
ES	1	0.003	0.000	0.98	0.05	A
ET	1	0.003	0.000	1.05	0.05	A
GE	1	0.005	0.000	1.73	0.09	N
GS	1	0.002	0.000	0.89	0.05	A
HR	1	0.003	0.001	1.15	0.39	A

Total Number Reported: 12

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

Participating Laboratories in EML QAP

Labcode	Laboratories Reporting Data
AC	Analytical Chemistry Laboratory, Chemical Technology Div., Argonne, IL
AE	Analytical Resources, Inc., , Seattle, WA
AG	Analytical Technologies, Inc., , Fort Collins, CO
AM	American Radiation Services, Inc., , Baton Rouge, LA
AN	Argonne Nat'l Laboratory, ESH, Bldg 200, Rm. F117, Argonne, IL
AR	Accu-Labs Research Inc., , Golden, CO
AT	ATEC Environmental Consultants, , Oak Ridge, TN
AU	ORISE, EESD/ESSAP, Oak Ridge, TN
AW	Argonne National Laboratory, , Idaho Falls, ID
BA	Westinghouse Electric Corp., Bettis Atomic Power Lab, West Mifflin, PA
BC	Babcock & Wilcock MC #42, Naval Nuclear Fuel Div., Lynchburg, VA
BE	UNC Geotech, , Grand Junction, CO
BK	Brookhaven Nat'l Laboratory, Dept of Adv Tech., Upton, NY
BL	Barringer Laboratories Inc., , Golden, CO
BM	Battelle Memorial Institute, , Columbus, OH
BN	Brookhaven Nat'l Laboratory, Bldg. #535 A, Upton, NY
BP	Battelle Pacific Northwest Lab, Analytical Lab Oper., Richland, WA
BQ	Becquerel Laboratories Inc., , Mississauga, Ontario, Canada
BR	US Army Research Laboratory, , Aberdeen Proving Ground, MD
BS	B&W Nuclear Envir. Services, , Leechburg, PA
BU	Autoridad Regulatoria, , Buenos Aires, Argentina
BX	B&W Nuclear Envir. Services, Nuclear Envir. Lab, Lynchburg, VA
CA	Atomic Energy Control Board, , Ottawa, Canada
CC	Compuchem Environmental Corp., , Research Triangle Park, NC

Participating Laboratories in EML QAP

Labcode	Laboratories Reporting Data
CH	California State Dept. Health Serv., Sanitation & Radiation Laborat, Berkeley, CA
CL	Core Laboratories, , Casper, WY
CP	Controls for Envir. Pollution, , Santa Fe, NM
CS	Rockwell Internat'l Corp., Rad. Protection T100, Canoga Park, CA
DC	Datachem Laboratories, , Salt Lake City, UT
EB	AEB Consultants, Ind., , Pine Bluff, AR
EE	Rust Remedial Services, Inc., Clemson Tech. Center Inc., Anderson, SC
EG	EG&G Idaho/INEL, , Idaho Falls, ID
EL	Energy Laboratories, Inc., Radiochemistry Department, Casper, WY
EP	US EPA-LV Mail Stop NRA, , Las Vegas, NV
ES	Environmental Sci. & Engr., Inc., Inorganic Analyt.Chem., Gainesville, FL
ET	Ecotek Lab Services Inc., , Atlanta, GA
FG	FGL Environmental, , Santa Paula, CA
FL	Dept of Health & Rehab. Serv., Office of Rad. Control, Orlando, FL
FM	Office of Radiation Control, Mobile Emergency Radiological, Orlando, FL
FN	Fermi Nat'l Accelerator Lab, , Batavia, IL
FS	Florida State University, Department of Oceanography, Tallahassee, FL
GA	Martin Marietta Energy Systems, Rm. 333 Bldg X710, Pikton, OH
GE	General Engineering Labs, , Charleston, SC
GS	USGS/NWQL, , Arvada, CO
HA	NUS Laboratory, , Pittsburgh, PA
HC	Lawrence Livermore Laboratory, Hazards Control, L383, Livermore, CA
HI	Heritage Laboratories, Inc., , Indianapolis, IN
HL	Heritage Laboratories, Inc., , Romeoville, IL

Participating Laboratories in EML QAP

Labcode	Laboratories Reporting Data
HR	Hazen Research, Inc., , Golden, CO
ID	DPRA - IRD/CNEN, , Rio De Janeiro, Brasil
IE	IEA, Inc., , Morrisville, NC
IN	WINCO MS 5202, , Idaho Falls, ID
IR	B&W Idaho C/O US DOE, , Scoville, ID
IS	ITAS - St. Louis, , Earth City, MO
IT	IT Corp. - Richland Laboratory, , Richland, WA
KA	Knolls Atomic Power Lab, Bldg A-3 Rm 99, Schenectady, NY
LA	Los Alamos Nat'l Lab, Health & Environ. Chem., HSE-9, Los Alamos, NM
LB	Lawrence Berkeley Lab, Univ. of California, Berkeley, CA
LH	Lockheed Analytical Laboratory, , Las Vegas, NV
LL	Lawrence Livermore Nat'l Lab, Nuclear Chem. Div., Livermore, CA
LM	Los Alamos Nat'l Lab, , Mercury, NV
LW	Lawrence Livermore Nat'l Lab, Nuclear Chem. Div., Livermore, CA
MA	Oak Ridge National Laboratory, Health & Safety Research Div., Oak Ridge, TN
ME	Radiation Control Program, , Jamaica Plain, MA
MI	Massachusetts Inst. of Tech., , Middleton, MA
ML	Phillips, EG&G Mound Applied Technologie, Miamisburg, OH
NA	USEPA NAREL, , Montgomery, AL
NC	Nuclear Services Laboratory, , Raleigh, NC
NJ	New Jersey Dept. of Envir. Prot., Div. of Envir. Quality, Trenton, NJ
NL	Fermco, , Cincinnati, OH
NY	NYU Medical Center, Nelson Inst. of Envir. Medicin, Tuxedo, NY
OB	OBG Laboratories, , East Syracuse, NY

Participating Laboratories in EML QAP

Labcode	Laboratories Reporting Data
OD	Oak Ridge National Laboratory, Radiobioassay Lab, Oak Ridge, TN
OI	Oak Ridge Research Institute, Inc., , Oak Ridge, TN
OL	Oak Ridge National Laboratory, Environmental Sciences Div., Oak Ridge, TN
OR	Oak Ridge National Lab, Bldg 4500-N Rm G-5, Oak Ridge, TN
OS	Oregon State Health Division, , Portland, OR
OT	Oak Ridge National Laboratory, Radioactive Material Analysis, Oak Ridge, TN
PA	Mason & Hanger-Silas Mason Co., Inc, , Amarillo, TX
PB	Mason & Hanger-Silas Mason Co., Inc, , Amarillo, TX
PC	Pace Inc., , Golden, CO
PI	Martin Marietta Specialty Component, , Largp, FL
PR	Princeton Plasma Physics Lab, , Princeton, NJ
RE	Reynolds Electrical Eng. Co., Inc., MS 774, Las Vegas, NV
RF	EG&G Rocky Flats Plant, Bldg 123, Golden, CO
RG	EG&G Rocky Flats Plant, , Golden, CO
RI	Westinghouse Hanford Co., Analytical Labs, Dept. T6-16, Richland, WA
SA	Sandia Labs - Organization 7715, Radioactive Sample Diag. Prog., Albuquerque, NM
SC	Division Of Maxwell Labs, , La Jolla, CA
SK	Savannah River Plant, Bldg 735-7A Rm 110, Aiken, SC
SR	Savannah River Plant, , Aiken, SC
SS	Savannah River Tech Center, , Aiken, SC
SV	Savannah Lab & Env't Serv., Inc., , Tampa, FL
SW	Southwest Research Institute, Div., P.O. Drawer 28510, San Antonio, TX
TI	Teledyne Brown Engineering, Environmental Services, Westwood, NJ
TM	TMA/Eberline-Albuquerque Lab, , Albuquerque, NM

Participating Laboratories in EML QAP

Labcode	Laboratories Reporting Data
TN	TMA/NORCAL, , Richmond, CA
TO	TMA/Eberline, Oak Ridge Laboratory, Oak Ridge, TN
TY	Scientific Production Assoc. Typhoo, , Obinsk, Kaluga Region, Russia
UC	Martin Marietta Energy Sys, Inc., , Paducah, KY
UK	Martin Marietta Energy Sys, Inc., , Oak Ridge, TN
UP	Martin Marietta Energy Sys, Inc., 9995 Production Support Radioc, Oak Ridge, TN
UY	Martin Marietta Energy Sys, Inc., Y-12 Plant, Oak Ridge, TN
WA	Environmental Radiation Lab, Off. of Public Health Labs., Seattle, WA
WC	Westinghouse Hanford Co., MSIN S3-28, Richland, WA
WI	Westinghouse Electric Corp., WIPP Site, Carlsbad, NM
WN	WINCO CPP-609, , Scoville, ID
WP	Washington Public Power Supply Syst, , Richland, WA
WS	Weldon Springs Site, , St. Charles, MO
WV	West Valley Nuclear Services Co, In, MS 307, West Valley, NY
YA	Yankee Atomic Electric Company, , Westboro, MA

Total Reporting Labs: 111

Participating Laboratories in EML QAP

Labcode	Laboratories Not Reporting Data
AI	Atlan-Tech Inc., Radiochemistry Lab, Roswell, GA
AL	Ames Laboratory, Safety, Health & Environment, Ames, IA
AP	ORAU, Prof'l Training Programs, Oak Ridge, TN
CZ	ACZ Laboratories, Inc., , Steamboat Springs, CO
EA	Martin Marietta Energy Systems, Earth & Atmospheric Science Se, Oak Ridge, TN
ED	TCT - St. Louis, , St. Louis, MO
EN	WINCO CCP-609, , Scoville, ID
HS	RESL - USDOE, , Idaho Falls, ID
NR	NRF Chemistry, S1W2, , Scoville, ID
RA	V. G. Khlopin Radium Institute, , ST. Petersburg, Russia
RD	Radiation Detection Company, , Sunyvale, CA
SE	Shealy Environmental Services Inc., , Cayce, SC
SL	Stanford Linear Accelerator Center, Off. of Health Physics, Menlow Park, CA
WE	Westinghouse Electric Corp., Chemical & Materials Tech., Madison, PA
XZ	Pacific Northwest Laboratory, Radiological Sciences Dept., Richland, WA
YP	US Army Proving Ground, ATTN: STEYP-RS-LS-MP, Yuma, AZ

Total Non-Reporting Labs: 16

