

Mixed Analyte Performance Evaluation Program

Statistical Summary

Sample ID: MAPEP-05-RdV14

Radiological Vegetation Standard

Analyte	T(1)	A(2)	Grand Mean	Std. Dev.	Reference Value	Analyte Text	Acceptance Limits	Units
Uranium-Total	1	1			28.0			
Uranium-235	1	1			0.202			
Uranium-238	1	1			27.8			
Americium-241	35	27	0.22	0.03	0.23		0.16 - 0.30	Bq/sample
Cesium-134	51	47	4.03	0.52	4.09		2.86 - 5.32	Bq/sample
Cesium-137	52	47	5.56	0.61	5.43		3.80 - 7.06	Bq/sample
Cobalt-57	51	39	14.18	1.66	13.3		9.31 - 17.29	Bq/sample
Cobalt-60	52	48	4.64	0.43	4.43		3.10 - 5.76	Bq/sample
Manganese-54	51	46	6.77	0.69	6.57		4.60 - 8.54	Bq/sample
Plutonium-238	27	21				False Positive Test		Bq/sample
Plutonium-239/240	27	23	0.15	0.01	0.164		0.11 - 0.21	Bq/sample
Potassium-40	12							
Strontium-90	26	21	2.31	0.24	2.42		1.69 - 3.15	Bq/sample
Uranium-234/233	25	23	0.33	0.03	0.333		0.23 - 0.43	Bq/sample
Uranium-235	2							
Uranium-238	25	23	0.34	0.03	0.346		0.24 - 0.45	Bq/sample
Zinc-65	51	44	10.93	0.88	10.2		7.14 - 13.26	Bq/sample

Note: Outliers are excluded from the statistical summary.
 Outliers are defined as laboratory data with a bias greater than 30 percent.
 (1) T = Total Number of Laboratories Reporting Analyte.
 (2) A = Number of Laboratories with 'Acceptable' Performance.