

# Mixed Analyte Performance Evaluation Program

## Statistical Summary

Sample ID: MAPEP-05-RdF13

Analyte	T(1)	A(2)	Grand Mean	Std. Dev.	Reference Value	Analyte Text	Acceptance Limits	Units
Uranium-Total	4	3			28.5		19.95 - 37.05	ug/sample
Uranium-235	2	2			0.205		0.14 - 0.27	ug/sample
Uranium-238	2	2			28.3		19.81 - 36.79	ug/sample
Americium-241	43	38	0.10	0.01	0.102		0.07 - 0.13	Bq/sample
Cesium-134	69	62	3.04	0.31	3.51		2.46 - 4.56	Bq/sample
Cesium-137	69	66	2.14	0.16	2.26		1.58 - 2.94	Bq/sample
Cobalt-57	68	66	4.81	0.42	4.92		3.44 - 6.40	Bq/sample
Cobalt-60	69	68	2.96	0.25	3.03		2.12 - 3.94	Bq/sample
Manganese-54	69	67	3.26	0.28	3.33		2.33 - 4.33	Bq/sample
Plutonium-238	38	33	0.19	0.02	0.195		0.14 - 0.25	Bq/sample
Plutonium-239/240	38	34	0.16	0.01	0.165		0.12 - 0.21	Bq/sample
Strontium-90	33	31	1.29	0.13	1.35		0.94 - 1.75	Bq/sample
Uranium-234/233	36	34	0.34	0.02	0.34		0.24 - 0.44	Bq/sample
Uranium-238	38	35	0.35	0.02	0.352		0.25 - 0.46	Bq/sample
Zinc-65	67	64	3.27	0.36	3.14		2.20 - 4.08	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.