MAPEP Mixed Analyte Performance Evaluation Program

Sample Statistical Summary

MAPEP-07-RdF17

Analyte	T(1)	A(2)	Grand Mean	Standard Deviation	Ref Value	Analyte Text	Acceptance Range	Units
Uranium-Total	3	3			8.3		5.8 - 10.8	(ug/sample)
Uranium-235	3	3			0.059		0.041 - 0.077	(ug/sample)
Uranium-238	3	3			8.2		5.7 - 10.7	(ug/sample)
Americium-241	49	43	0.0906	0.0110	0.0977		0.0684 - 0.1270	(Bq/sample)
Bismuth-214	1							(Bq/sample)
Cesium-134	74	66	3.7844	0.4253	4.1960		2.9372 - 5.4548	(Bq/sample)
Cesium-137	76	75	2.5483	0.2522	2.5693		1.7985 - 3.3401	(Bq/sample)
Cobalt-57	76	72	3.2545	0.2839	2.8876		2.0213 - 3.7539	(Bq/sample)
Cobalt-60	76	75	2.8337	0.2223	2.9054		2.0338 - 3.7770	(Bq/sample)
Lead-212	1							(Bq/sample)
Lead-214	1							(Bq/sample)
Manganese-54	75	72	3.6164	0.3346	3.5185		2.4630 - 4.5741	(Bq/sample)
Plutonium-238	41	35	0.0650	0.0087	0.0669		0.0468 - 0.0870	(Bq/sample)
Plutonium-239/240	41	36	0.0797	0.0103	0.0839		0.0587 - 0.1091	(Bq/sample)
Potassium-40	2							(Bq/sample)
Strontium-90	36	32	0.5696	0.0568	0.6074		0.4252 - 0.7896	(Bq/sample)
Uranium-234/233	39	35	0.0957	0.0096	0.0981		0.0687 - 0.1275	(Bq/sample)
Uranium-235	3							(Bq/sample)
Uranium-238	40	36	0.0967	0.0123	0.1021		0.0715 - 0.1327	(Bq/sample)
Zinc-65	71	67	2.4438	0.2673	2.6828		1.8780 - 3.4876	(Bq/sample)

Note: (1) T = Total number of laboratories reporting analyte.
(2) A = Number of laboratories with 'Acceptable' performance.

1. For organic components with absolute value of Z-score < 3
2. Acceptance range minimum labeled as "QL" means from detection limit to the upper range.