

Performance Results Archive

MAPEP-23-GrW48: Gross alpha/beta water

☒ Radiological								Units: (Bq/L)
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	1.1	1.19	A		-7.6	0.36 - 2.02	0.15	A
Gross beta	7.3	5.94	A		22.9	2.97 - 8.91	0.4	A

MAPEP-23-MaW48: Radiological and inorganic combined water standard

☒ Inorganic								Units: (mg/L)
☒ Radiological								Units: (Bq/L)
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.387				0.271 - 0.503		
Cesium-134	NR	9.6				6.7 - 12.5		
Cesium-137	NR	8.7				6.1 - 11.3		
Cobalt-57	NR					False Positive Test		
Cobalt-60	NR	7.24				5.07 - 9.41		
Hydrogen-3	NR	573				401 - 745		
Iron-55	NR					False Positive Test		
Manganese-54	NR	11.3				7.9 - 14.7		
Nickel-63	NR	27.3				19.1 - 35.5		
Plutonium-238	NR	0.846				0.592 - 1.100		
Plutonium-239/240	NR	0.0174				Sensitivity Evaluation		
Potassium-40	NR					False Positive Test		
Radium-226	0.7	0.759	A		-7.8	0.531 - 0.987	0.1	A
Strontium-90	NR					False Positive Test		
Technetium-99	NR	9.31				6.52 - 12.10		
Uranium-234	0.9	1.15	W		-21.7	0.81 - 1.50	0.1	A
Uranium-238	1	1.16	A		-13.8	0.81 - 1.51	0.1	A
Zinc-65	NR	15.3				10.7 - 19.9		