

NELAC PT for Accreditation
Fields of Proficiency Testing with PTRLs
Drinking Water
Effective October 1, 2007

Matrix	EPA Analyte Code	NELAC Analyte Code	Analyte	Conc Range	Acceptance Criteria ^{1,2,3,4}				NELAC PTRL ⁵
					a	b	c	d	
			Radiochemistry	pCi/L (except as noted)					pCi/L
Drinking Water	0001	2830	Gross Alpha	7 to 75	0.8586	1.4802	0.1610	1.1366	3.0
Drinking Water	0002	2840	Gross Beta	8 to 75	0.8508	2.9725	0.0571	2.9372	3.0
Drinking Water	0008	2875	Iodine-131	3 to 30	0.9711	0.8870	0.0624	0.6455	2.1
Drinking Water	0012	2965	Radium-226	1 to 20	0.9253	0.3175	0.0942	0.0988	0.86
Drinking Water	0013	2970	Radium-228	2 to 20	0.9243	0.2265	0.1105	0.3788	0.88
Drinking Water	0014	3055	Natural Uranium	2 to 70	0.9568	0.0773	0.0668	0.2490	1.2
Drinking Water	0014	3055	Uranium (mass)	3 to 104 ug/L	0.9568	0.1153	0.0668	0.3716	1.8 ug/L
Drinking Water	0009	2995	Strontium-89	10 to 70	0.9648	0.1591	0.0379	2.6203	3.8
Drinking Water	0010	3005	Strontium-90	3 to 45	0.9369	0.2279	0.0902	0.5390	1.4
Drinking Water	0011	3030	Tritium	1000 to 24000	0.9883	-46.4776	0.0532	38.8382	760
			Gamma Emitters⁶						
Drinking Water	0007	2765	Barium-133	10 to 100	0.9684	-0.1424	0.0503	1.0737	6.4
Drinking Water	0005	2800	Cesium-134 ⁷	10 to 100	0.9369	0.0845	0.0482	0.9306	6.6
Drinking Water	0006	2805	Cesium-137 ⁷	20 to 240	1.0225	0.2624	0.0347	1.5185	16
Drinking Water	0003	2815	Cobalt-60	10 to 120	1.0257	0.3051	0.0335	1.3315	7.2
Drinking Water	0004	3070	Zinc-65	30 to 360	1.0495	0.1245	0.0530	1.8271	25

