		Aqueous Solubility		Sorption K_d	Fractional Release Rate		Cement Diffusion Coefficient		Fractional Release Rate		Decay Half-Life		Specific Activity	Atomic Mass
Radionuclide	**ID Code**	**(mg/L)**	**(Ci/cm^3)**	**(cm3/g)**	**(1/s)**	**(1/yr)**	**(cm^2/s)**	**(cm^2/yr)**	**(1/d)**	**(1/yr)**	**(d)**	**(yr)**	**(Ci/g)**	**(g/mol)**
Actinium-224	AC224	1.00E+10	4.82E+10	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00			1.21E-01	3.31E-04	4.82E+06	224
Actinium-225	AC225	1.00E+10	5.81E+08	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00			1.00E+01	2.74E-02	5.81E+04	225
Actinium-226	AC226	1.00E+10	4.35E+09	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00			1.33E+00	3.64E-03	4.35E+05	226
Actinium-227	AC227	1.00E+10	7.24E+05	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00			7.95E+03	2.18E+01	7.24E+01	227
Actinium-228	AC228	1.00E+10	2.25E+10	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00			2.55E-01	6.98E-04	2.25E+06	228
Americium-237	AM237	1.00E+10	1.09E+11	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00	8.00E-05	2.92E-02	5.07E-02	1.39E-04	1.09E+07	237
Americium-238	AM238	1.00E+10	8.06E+10	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00	8.00E-05	2.92E-02	6.81E-02	1.86E-04	8.06E+06	238
Americium-239	AM239	1.00E+10	1.10E+10	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00	8.00E-05	2.92E-02	4.96E-01	1.36E-03	1.10E+06	239
Americium-240	AM240	1.00E+10	2.57E+09	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00	8.00E-05	2.92E-02	2.12E+00	5.80E-03	2.57E+05	240
Americium-241	AM241	1.00E+10	3.43E+04	40	1.4E-13	4.31E-06	5.00E-13	1.58E-05	8.00E-05	2.92E-02	1.58E+05	4.33E+02	3.43E+00	241
Americium-242	AM242	1.00E+10	8.06E+09	40	1.4E-13	4.31E-06	5.00E-13	1.58E-05	8.00E-05	2.92E-02	6.70E-01	1.83E-03	8.06E+05	242
Americium-242M	AM242M	1.00E+10	9.73E+04	40	1.4E-13	4.31E-06	5.00E-13	1.58E-05	8.00E-05	2.92E-02	5.55E+04	1.52E+02	9.73E+00	242
Americium-243	AM243	1.00E+10	1.99E+03	40	1.4E-13	4.31E-06	5.00E-13	1.58E-05	8.00E-05	2.92E-02	2.70E+06	7.39E+03	1.99E-01	243
Carbon-14	C-14	1.00E+10	4.47E+04		1.4E-13	4.31E-06	1.00E-12	3.16E-05			2.09E+06	5.72E+03	4.47E+00	14
Cerium-134	CE134	1.00E+10	3.25E+09	40	1.4E-13	4.31E-06	5.00E-11	1.58E-03			3.00E+00	8.21E-03	3.25E+05	134
Cerium-135	CE135	1.00E+10	1.32E+10	40	1.4E-13	4.31E-06	5.00E-11	1.58E-03			7.33E-01	2.01E-03	1.32E+06	135
Cerium-137	CE137	1.00E+10	2.54E+10	40	1.4E-13	4.31E-06	5.00E-11	1.58E-03			3.75E-01	1.03E-03	2.54E+06	137
Cerium-137M	CE137M	1.00E+10	6.67E+09	40	1.4E-13	4.31E-06	5.00E-11	1.58E-03			1.43E+00	3.92E-03	6.67E+05	137
Cerium-139	CE139	1.00E+10	6.81E+07	40	1.4E-13	4.31E-06	5.00E-11	1.58E-03			1.38E+02	3.78E-01	6.81E+03	139
Cerium-144	CE144	1.00E+10	3.20E+07	40	1.4E-13	4.31E-06	5.00E-11	1.58E-03			2.84E+02	7.78E-01	3.20E+03	144
Cesium-130	CS130	1.00E+10	4.83E+11	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00	3.00E-05	1.10E-02	2.08E-02	5.69E-05	4.83E+07	130
Cesium-132	CS132	1.00E+10	1.53E+09	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00	3.00E-05	1.10E-02	6.48E+00	1.77E-02	1.53E+05	132
Cesium-134	CS134	1.00E+10	1.30E+07	40	1.4E-13	4.31E-06	5.00E-10	1.58E-02	3.00E-05	1.10E-02	7.53E+02	2.06E+00	1.30E+03	134
Cesium-135	CS135	1.00E+10	1.15E+01	40	1.4E-13	4.31E-06	5.00E-10	1.58E-02	3.00E-05	1.10E-02	8.40E+08	2.30E+06	1.15E-03	135
Cesium-136	CS136	1.00E+10	7.34E+08	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00	3.00E-05	1.10E-02	1.31E+01	3.59E-02	7.34E+04	136
Cesium-137+D	CS137	1.00E+10	8.67E+05	40	1.4E-13	4.31E-06	5.00E-10	1.58E-02	3.00E-05	1.10E-02	1.10E+04	3.01E+01	8.67E+01	137
Cesium-138	CS138	1.00E+10	4.23E+11	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00	3.00E-05	1.10E-02	2.24E-02	6.13E-05	4.23E+07	138
Chlorine-36	CL36	1.00E+10	3.30E+02	0	1.4E-13	4.31E-06	5.00E-08	1.58E+00	1.00E-06	3.65E-04	1.10E+08	3.01E+05	3.30E-02	36
Cobalt-55	CO55	1.00E+10	3.25E+10	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00	3.00E-05	1.10E-02	7.31E-01	2.00E-03	3.25E+06	55
Cobalt-56	CO56	1.00E+10	2.96E+08	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00	3.00E-05	1.10E-02	7.88E+01	2.16E-01	2.96E+04	56
Cobalt-57	CO57	1.00E+10	8.46E+07	40	1.4E-13	4.31E-06	5.00E-11	1.58E-03	3.00E-05	1.10E-02	2.71E+02	7.42E-01	8.46E+03	57
Cobalt-58	CO58	1.00E+10	3.18E+08	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00	3.00E-05	1.10E-02	7.08E+01	1.94E-01	3.18E+04	58
Cobalt-58M	CO58M	1.00E+10	5.91E+10	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00	3.00E-05	1.10E-02	3.81E-01	1.04E-03	5.91E+06	58
Cobalt-60	CO60	1.00E+10	1.13E+07	40	1.4E-13	4.31E-06	5.00E-11	1.58E-03	3.00E-05	1.10E-02	1.93E+03	5.28E+00	1.13E+03	60
Curium-240	CM240	1.00E+10	2.02E+08	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00			2.70E+01	7.39E-02	2.02E+04	240
Curium-242	CM242	1.00E+10	3.31E+07	40	1.4E-13	4.31E-06	5.00E-13	1.58E-05			1.63E+02	4.46E-01	3.31E+03	242
Curium-243	CM243	1.00E-03	5.17E-08	40	1.4E-13	4.31E-06	5.00E-11	1.58E-03			1.04E+04	2.85E+01	5.17E+01	243
Curium-244	CM244	1.00E-03	8.10E-08	40	1.4E-13	4.31E-06	5.00E-11	1.58E-03			6.61E+03	1.81E+01	8.10E+01	244
Curium-245	CM245	1.00E+10	1.72E+03	40	1.4E-13	4.31E-06	5.00E-13	1.58E-05			3.10E+06	8.49E+03	1.72E-01	245
Curium-246	CM246	1.00E+10	3.07E+03	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00			1.73E+06	4.74E+03	3.07E-01	246
Curium-248	CM248	1.00E+10	4.25E+01	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00			1.24E+08	3.39E+05	4.25E-03	248
Europium-145	EU145	1.00E+10	1.52E+09	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00	8.00E-05	2.92E-02	5.94E+00	1.63E-02	1.52E+05	145
Europium-146	EU146	1.00E+10	1.94E+09	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00	8.00E-05	2.92E-02	4.61E+00	1.26E-02	1.94E+05	146
Europium-147	EU147	1.00E+10	3.70E+08	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00	8.00E-05	2.92E-02	2.40E+01	6.57E-02	3.70E+04	147
Europium-148	EU148	1.00E+10	1.62E+08	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00	8.00E-05	2.92E-02	5.45E+01	1.49E-01	1.62E+04	148
Europium-149	EU149	1.00E+10	9.42E+07	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00	8.00E-05	2.92E-02	9.31E+01	2.55E-01	9.42E+03	149
Europium-150A	EU150A	1.00E+10	1.66E+10	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00	8.00E-05	2.92E-02	5.25E-01	1.44E-03	1.66E+06	150

		Aqueous Solubility		Sorption K_d	Fractional Release Rate		Cement Diffusion Coefficient		Fractional Release Rate		Decay Half-Life		Specific Activity	Atomic Mass
Radionuclide	**ID Code**	**(mg/L)**	**(Ci/cm^3)**	**(cm3/g)**	**(1/s)**	**(1/yr)**	**(cm^2/s)**	**(cm^2/yr)**	**(1/d)**	**(1/yr)**	**(d)**	**(yr)**	**(Ci/g)**	**(g/mol)**
Europium-150B	EU150B	1.00E+10	6.97E+05	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00	8.00E-05	2.92E-02	1.25E+04	3.42E+01	6.97E+01	150
Europium-152	EU152	1.00E+10	1.77E+06	40	1.4E-13	4.31E-06	5.00E-11	1.58E-03	8.00E-05	2.92E-02	4.87E+03	1.33E+01	1.77E+02	152
Europium-154	EU154	1.00E+10	2.64E+06	40	1.4E-13	4.31E-06	5.00E-11	1.58E-03	8.00E-05	2.92E-02	3.21E+03	8.79E+00	2.64E+02	154
Europium-155	EU155	1.00E+10	4.66E+06	40	1.4E-13	4.31E-06	5.00E-11	1.58E-03	8.00E-05	2.92E-02	1.81E+03	4.96E+00	4.66E+02	155
Iodine-129	I129	1.00E+10	1.77E+00	0.6	1.4E-13	4.31E-06	5.00E-08	1.58E+00			5.73E+09	1.57E+07	1.77E-04	129
Iodine-131	I131	1.00E+10	1.24E+09	0.6	1.4E-13	4.31E-06	5.00E-08	1.58E+00			8.04E+00	2.20E-02	1.24E+05	131
Iodine-135	I135	1.00E+10	3.52E+10	0.6	1.4E-13	4.31E-06	5.00E-08	1.58E+00			2.75E-01	7.53E-04	3.52E+06	135
Lead-203	PB203	2.00E-01	5.93E-02	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00			2.17E+00	5.94E-03	2.97E+05	203
Lead-209	PB209	2.00E-01	9.20E-01	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00			1.36E-01	3.72E-04	4.60E+06	209
Lead-210	PB210	2.00E-01	1.53E-05	40	1.4E-13	4.31E-06	1.00E-11	3.16E-04			8.15E+03	2.23E+01	7.64E+01	210
Lead-211	PB211	2.00E-01	4.94E+00	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00			2.51E-02	6.87E-05	2.47E+07	211
Lead-212	PB212	2.00E-01	2.78E-01	40	1.4E-13	4.31E-06	1.00E-11	3.16E-04			4.43E-01	1.21E-03	1.39E+06	212
Neptunium-237	NP237	9.00E+02	6.35E-07	10	1.4E-13	4.31E-06	5.00E-10	1.58E-02			7.82E+08	2.14E+06	7.05E-04	237
Neptunium-238	NP238	1.00E+10	2.59E+09	10	1.4E-13	4.31E-06	5.00E-13	1.58E-05			2.12E+00	5.80E-03	2.59E+05	238
Neptunium-239	NP239	1.00E+10	2.32E+09	10	1.4E-13	4.31E-06	5.00E-13	1.58E-05			2.36E+00	6.46E-03	2.32E+05	239
Nickel-56	NI56	1.00E+10	3.83E+09	40	1.4E-13	4.31E-06	5.00E-10	1.58E-02	1.00E-05	3.65E-03	6.10E+00	1.67E-02	3.83E+05	56
Nickel-57	NI57	1.00E+10	1.53E+10	40	1.4E-13	4.31E-06	5.00E-10	1.58E-02	1.00E-05	3.65E-03	1.50E+00	4.11E-03	1.53E+06	57
Nickel-59	NI59	1.00E+10	8.08E+02	40	1.4E-13	4.31E-06	5.00E-10	1.58E-02	1.00E-05	3.65E-03	2.74E+07	7.50E+04	8.08E-02	59
Nickel-63	NI63	1.00E+10	5.91E+05	40	1.4E-13	4.31E-06	5.00E-10	1.58E-02	1.00E-05	3.65E-03	3.51E+04	9.61E+01	5.91E+01	63
Niobium-88	NB88	1.00E+10	1.50E+12	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00			9.93E-03	2.72E-05	1.50E+08	88
Niobium-89A	NB89A	1.00E+10	3.21E+11	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00			4.58E-02	1.25E-04	3.21E+07	89
Niobium-89B	NB89B	1.00E+10	1.74E+11	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00			8.46E-02	2.32E-04	1.74E+07	89
Niobium-90	NB90	1.00E+10	2.39E+10	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00			6.08E-01	1.66E-03	2.39E+06	90
Niobium-93M	NB93M	1.00E+10	2.83E+06	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00			4.97E+03	1.36E+01	2.83E+02	93
Niobium-94	NB94	1.00E+10	1.88E+03	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00			7.41E+06	2.03E+04	1.88E-01	94
Niobium-95	NB95	1.00E+10	3.91E+08	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00			3.52E+01	9.64E-02	3.91E+04	95
Plutonium-234	PU234	1.00E+10	1.52E+10	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00	8.00E-05	2.92E-02	3.67E-01	1.00E-03	1.52E+06	234
Plutonium-235	PU235	1.00E+10	3.16E+11	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00	8.00E-05	2.92E-02	1.76E-02	4.82E-05	3.16E+07	235
Plutonium-236	PU236	1.00E+10	5.32E+06	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00	8.00E-05	2.92E-02	1.04E+03	2.85E+00	5.32E+02	236
Plutonium-237	PU237	1.00E+10	1.22E+08	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00	8.00E-05	2.92E-02	4.53E+01	1.24E-01	1.22E+04	237
Plutonium-238	PU238	7.00E+01	1.20E-03	40	1.4E-13	4.31E-06	5.00E-11	1.58E-03	8.00E-05	2.92E-02	3.20E+04	8.76E+01	1.72E+01	238
Plutonium-239	PU239	7.00E+01	4.35E-06	40	1.4E-13	4.31E-06	5.00E-11	1.58E-03	8.00E-05	2.92E-02	8.79E+06	2.41E+04	6.22E-02	239
Plutonium-240	PU240	7.00E+01	1.59E-05	40	1.4E-13	4.31E-06	5.00E-11	1.58E-03	8.00E-05	2.92E-02	2.39E+06	6.54E+03	2.28E-01	240
Plutonium-241	PU241	1.00E+10	1.03E+06	40	1.4E-13	4.31E-06	5.00E-11	1.58E-03	8.00E-05	2.92E-02	5.26E+03	1.44E+01	1.03E+02	241
Plutonium-242	PU242	1.00E+10	3.94E+01	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00	8.00E-05	2.92E-02	1.37E+08	3.75E+05	3.94E-03	242
Protactinium-231	PA231	1.00E+10	4.71E+02	10	1.4E-13	4.31E-06	5.00E-08	1.58E+00			1.20E+07	3.29E+04	4.71E-02	231
Protactinium-233	PA233	1.00E+10	2.08E+08	10	1.4E-13	4.31E-06	5.00E-08	1.58E+00			2.70E+01	7.39E-02	2.08E+04	233
Radium-223	RA223	1.00E+10	5.14E+08	10	1.4E-13	4.31E-06	5.00E-11	1.58E-03			1.14E+01	3.12E-02	5.14E+04	223
Radium-224	RA224	1.00E+10	1.59E+09	10	1.4E-13	4.31E-06	5.00E-08	1.58E+00			3.66E+00	1.00E-02	1.59E+05	224
Radium-225	RA225	1.00E+10	3.92E+08	10	1.4E-13	4.31E-06	5.00E-11	1.58E-03			1.48E+01	4.05E-02	3.92E+04	225
Radium-226	RA226	1.00E+10	9.90E+03	10	1.4E-13	4.31E-06	5.00E-11	1.58E-03			5.84E+05	1.60E+03	9.90E-01	226
Radium-228	RA228	1.00E+10	2.73E+06	10	1.4E-13	4.31E-06	5.00E-11	1.58E-03			2.10E+03	5.75E+00	2.73E+02	228
Ruthenium-103	RU103	1.00E+10	3.23E+08	10	1.4E-13	4.31E-06	5.00E-08	1.58E+00			3.93E+01	1.08E-01	3.23E+04	103
Ruthenium-105	RU105	1.00E+10	6.73E+10	10	1.4E-13	4.31E-06	5.00E-08	1.58E+00			1.85E-01	5.07E-04	6.73E+06	105
Ruthenium-106	RU106	1.00E+10	3.35E+07	10	1.4E-13	4.31E-06	5.00E-08	1.58E+00			3.68E+02	1.01E+00	3.35E+03	106
Selenium-70	SE70	1.00E+10	6.55E+11	0	1.4E-13	4.31E-06	5.00E-08	1.58E+00			2.85E-02	7.80E-05	6.55E+07	70
Selenium-73	SE73	1.00E+10	6.01E+10	0	1.4E-13	4.31E-06	5.00E-08	1.58E+00			2.98E-01	8.16E-04	6.01E+06	73

		Aqueous Solubility		Sorption K_d	Fractional Release Rate		Cement Diffusion Coefficient		Fractional Release Rate		Decay Half-Life		Specific Activity	Atomic Mass
Radionuclide	**ID Code**	**(mg/L)**	**(Ci/cm^3)**	**(cm3/g)**	**(1/s)**	**(1/yr)**	**(cm^2/s)**	**(cm^2/yr)**	**(1/d)**	**(1/yr)**	**(d)**	**(yr)**	**(Ci/g)**	**(g/mol)**
Selenium-73M	SE73M	1.00E+10	6.61E+11	0	1.4E-13	4.31E-06	5.00E-08	1.58E+00			2.71E-02	7.42E-05	6.61E+07	73
Selenium-75	SE75	1.00E+10	1.45E+08	0	1.4E-13	4.31E-06	5.00E-08	1.58E+00			1.20E+02	3.29E-01	1.45E+04	75
Selenium-79	SE79	1.00E+10	6.98E+02	0	1.4E-13	4.31E-06	2.00E-10	6.31E-03			2.37E+07	6.49E+04	6.98E-02	79
Selenium-81	SE81	1.00E+10	1.26E+12	0	1.4E-13	4.31E-06	5.00E-08	1.58E+00			1.28E-02	3.50E-05	1.26E+08	81
Strontium-85	SR85	1.00E+10	2.37E+08	10	1.4E-13	4.31E-06	5.00E-08	1.58E+00	3.00E-05	1.10E-02	6.48E+01	1.77E-01	2.37E+04	85
Strontium-89	SR89	1.00E+10	2.91E+08	10	1.4E-13	4.31E-06	5.00E-11	1.58E-03	3.00E-05	1.10E-02	5.05E+01	1.38E-01	2.91E+04	89
Strontium-90	SR90	1.00E+10	1.37E+06	10	1.4E-13	4.31E-06	5.00E-11	1.58E-03	3.00E-05	1.10E-02	1.06E+04	2.90E+01	1.37E+02	90
Strontium-91	SR91	1.00E+10	3.63E+10	10	1.4E-13	4.31E-06	5.00E-08	1.58E+00	3.00E-05	1.10E-02	3.96E-01	1.08E-03	3.63E+06	91
Technetium-101	TC101	1.00E+10	1.31E+12	0	1.4E-13	4.31E-06	1.00E-08	3.16E-01			9.86E-03	2.70E-05	1.31E+08	101
Technetium-97	TC97	1.00E+10	1.42E+01	0	1.4E-13	4.31E-06	5.00E-08	1.58E+00			9.49E+08	2.60E+06	1.42E-03	97
Technetium-98	TC98	1.00E+10	8.72E+00	0	1.4E-13	4.31E-06	5.00E-08	1.58E+00			1.53E+09	4.19E+06	8.72E-04	98
Technetium-99	TC99	1.00E+10	1.70E+02	0	1.4E-13	4.31E-06	1.00E-09	3.16E-02			7.78E+07	2.13E+05	1.70E-02	99
Thorium-227	TH227	1.00E+10	3.08E+08	40	1.4E-13	4.31E-06	1.00E-12	3.16E-05			1.87E+01	5.12E-02	3.08E+04	227
Thorium-228	TH228	1.00E+10	8.20E+06	40	1.4E-13	4.31E-06	1.00E-12	3.16E-05			6.99E+02	1.91E+00	8.20E+02	228
Thorium-229	TH229	1.00E+10	2.13E+03	40	1.4E-13	4.31E-06	1.00E-12	3.16E-05			2.68E+06	7.34E+03	2.13E-01	229
Thorium-230	TH230	1.00E+10	2.02E+02	40	1.4E-13	4.31E-06	1.00E-12	3.16E-05			2.81E+07	7.69E+04	2.02E-02	230
Thorium-231	TH231	1.00E+10	5.34E+09	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00			1.06E+00	2.90E-03	5.34E+05	231
Thorium-232	TH232	1.00E+10	4.00E-01	40	1.4E-13	4.31E-06	1.00E-12	3.16E-05			1.41E+10	3.86E+07	4.00E-05	232
Thorium-234	TH234	1.00E+10	2.32E+08	40	1.4E-13	4.31E-06	1.00E-12	3.16E-05			2.41E+01	6.60E-02	2.32E+04	234
Tin-113	SN113	1.00E+10	1.01E+08	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00			1.15E+02	3.15E-01	1.01E+04	113
Tin-121	SN121	1.00E+10	9.56E+09	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00			1.13E+00	3.09E-03	9.56E+05	121
Tin-123	SN123	1.00E+10	8.24E+07	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00			1.29E+02	3.53E-01	8.24E+03	123
Tin-125	SN125	1.00E+10	1.08E+09	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00			9.64E+00	2.64E-02	1.08E+05	125
Tin-126	SN126	1.00E+10	2.84E+02	40	1.4E-13	4.31E-06	5.00E-08	1.58E+00			3.65E+07	9.99E+04	2.84E-02	126
Tritium (Elemental)	H3-EL	3.80E-03	3.69E-05	0	1.4E-13	4.31E-06	5.00E-08	1.58E+00	1.00E-06	3.65E-04	4.49E+03	1.23E+01	9.70E+03	3
Tritium (H3)	H3	1.00E+10	9.70E+07	0	1.4E-13	4.31E-06	5.00E-08	1.58E+00	1.00E-06	3.65E-04	4.49E+03	1.23E+01	9.70E+03	3
Uranium-232	U232	1.00E+10	2.14E+05	0.6	1.4E-13	4.31E-06	5.00E-08	1.58E+00			2.63E+04	7.20E+01	2.14E+01	232
Uranium-233	U233	1.00E+10	9.69E+01	0.6	1.4E-13	4.31E-06	1.00E-12	3.16E-05			5.79E+07	1.59E+05	9.69E-03	233
Uranium-234	U234	1.00E+10	6.25E+01	0.6	1.4E-13	4.31E-06	1.00E-12	3.16E-05			8.93E+07	2.44E+05	6.25E-03	234
Uranium-235	U235	1.00E+10	2.16E-02	0.6	1.4E-13	4.31E-06	1.00E-12	3.16E-05			2.57E+11	7.04E+08	2.16E-06	235
Uranium-236	U236	1.00E+10	6.48E-01	0.6	1.4E-13	4.31E-06	1.00E-11	3.16E-04			8.55E+09	2.34E+07	6.48E-05	236
Uranium-238	U238	1.00E+10	3.37E-03	0.6	1.4E-13	4.31E-06	1.00E-11	3.16E-04			1.63E+12	4.46E+09	3.37E-07	238
Uranium-239	U239	1.00E+10	3.35E+11	0.6	1.4E-13	4.31E-06	1.00E-11	3.16E-04			1.63E-02	4.46E-05	3.35E+07	239
Zirconium-89	ZR89	1.00E+10	4.49E+09	40	1.4E-13	4.31E-06	1.00E-12	3.16E-05			3.27E+00	8.95E-03	4.49E+05	89
Zirconium-93	ZR93	1.00E+10	2.51E+01	40	1.4E-13	4.31E-06	1.00E-12	3.16E-05			5.59E+08	1.53E+06	2.51E-03	93