RADIOACTIVE COMCNETRATIONS OF DVNM SPRINGS AND CREEKS (The Hydrodynamics Group 1998)

Conc(g/g)*Spa(Ci/g)*10^12=Pci/g
Conc(g/L)*Spa(Ci/g)*10^12=Pci/L
Assume Conc.is proposional to Activity

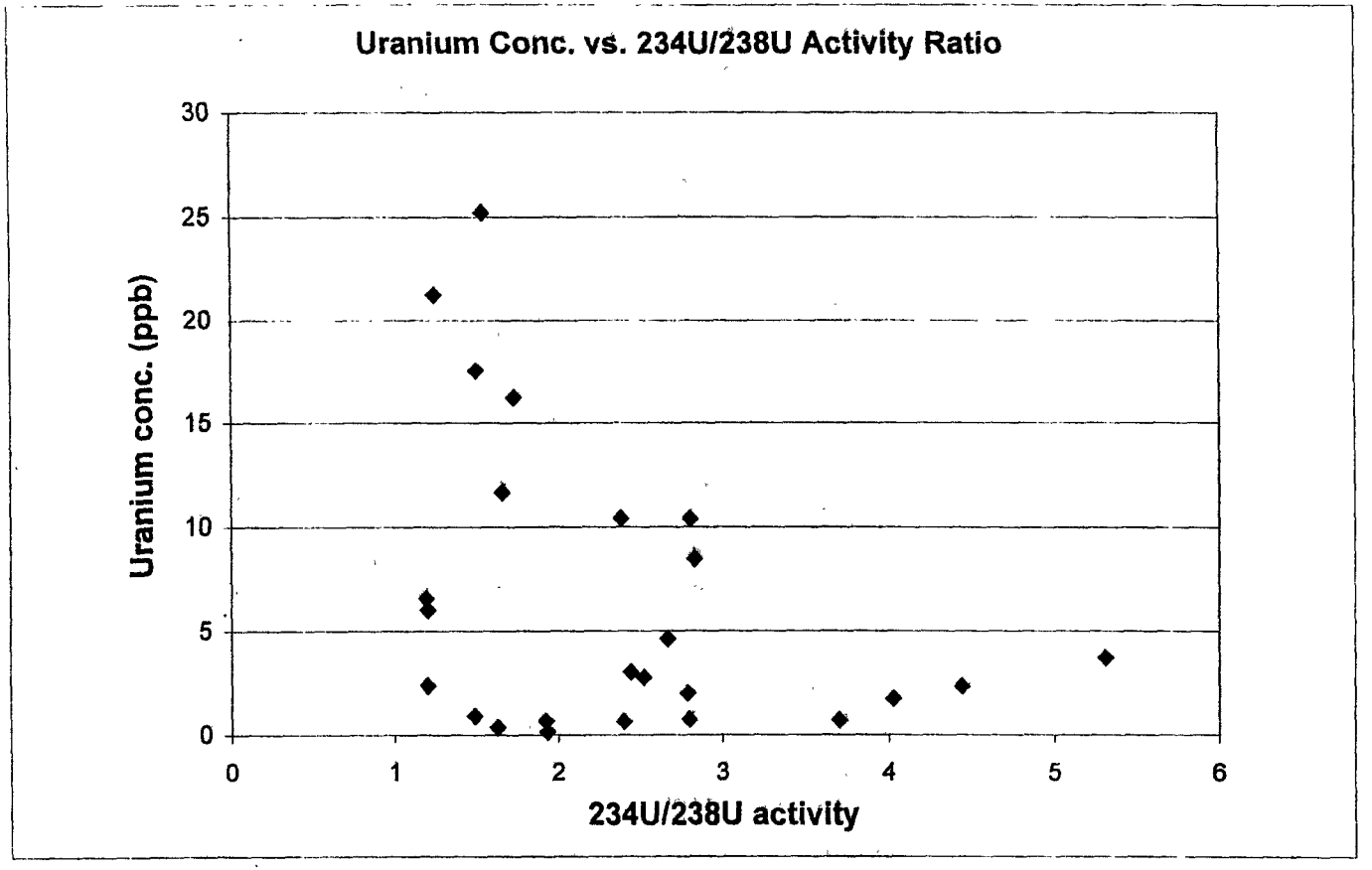
Spa(U238) 3.46E-07 Ci/g
MCL Uranium=20Pci/L

Spa(Sr90) 141.00 Ci/g
MCL Strontium 90=8Pci/L
MCL Strontium = 4.2 mg/L (Non-Radio)

	U ppb	234U/238U activity	U238 Pci/L	U234 Pci/L	U Pci/L
Anvil Spg	21.244	1.254	3.2611	4.0894	7.3504
Buried Wagon Spg	11.667	1.66	1.5176	2.5192	4.0368
Burns#1 Spg	3.061	2.441	0.3078	0.7513	1.0591
Cordwood Spg	2.377	4.439	0.1512	0.6712	0.8224
Dripping Spg	0.936	1.49	0.1301	0.1938	0.3239
Hummingbird Spg	0.38	1.626	0.0501	0.0814	0.1315
Ibex Spg	0.759	2.796	0.0692	0.1934	0.2626
Johnnie Shoshore Spg	8.502	2.832	0.7677	2.1740	2.9417
Knoll Spg	0.718	3.702	0.0528	0.1956	0.2484
Lime Kiln Spg	6.021	1.212	0.9418	1.1415	2.0833
Little Willow Spg	4.62	2.666	0.4360	1.1625	1.5985
McDonald Spg	3.747	5.308	0.2055	1.0909	1.2965
McLean Spg	25.222	1.546	3.4277	5.2992	8.7268
Navel Spg	2.038	2.786	0.1863	0.5189	0.7051
Owl Hole Spg	10.412	2.384	1.0646	2.5380	3.6026
Salisbury Spg	0.152	1.931	0.0179	0.0346	0.0526
Salt Creek	17.569	1.505	2.4267	3.6522	6.0789
Saratoga Spg	16.229	1.732	2.0554	3.5599	5.6152
Strozzi Ranch Spg	1.779	4.026	0.1225	0.4931	0.6155
Surprise CynCrk Spg	6.591	1.2	1.0366	1.2439	2.2805
Thorndike Spg	0.668	2.397	0.0680	0.1631	0.2311
Upper Emigrant Spg	10.396	2.806	0.9451	2.6519	3.5970
Upper Navel Seep	2.807	2.519	0.2760	0.6952	0.9712
Wildrose Spg	2.405	1.207	0.3770	0.4551	0.8321
Willow Spg	0.685	1.922	0.0811	0.1559	0.2370
Average	6.4394	2.37548	0.6601	1.5680	2.2280

Sr ppm	Pci/L
0.1811	2.55E+10
23.999	3.38E+12
0.8944	1.26E+11
0.0236	3.33E+09
1.0364	1.46E+11
0.301	4.24E+10
0.7146	1.01E+11
0.3365	4.74E+10
0.0232	3.27E+09
0.4559	6.43E+10
0.0262	3.69E+09
0.6199	8.74E+10
26.1898	3.69E+12
0.5164	7.28E+10
8.2533	1.16E+12
0.0428	6.03E+09
3.6847	5.20E+11
3.0642	4.32E+11
0.0177	2.50E+09
0.454	6.40E+10
0.1297	1.83E+10
1.1121	1.57E+11
0.7697	1.09E+11
1.2358	1.74E+11
0.5992	8.45E+10
2.987248	4.21E+11

Note: Data Compiled from Table 5. Isotopic Composition og DVNM Sampled Springs and Creeks.



Data from Above Table.