

DR2004040

Isotopic and geochemical data for Saratoga springs. Major solute and pH data from Putnam and Young (1985). Concentrations of solutes are in meq/L. SiO_2 is in mmol/L. The pH values are in units. Stable isotopes of water are presented relative to VSMOW, carbon VPDB and for chlorine relative to SMOC. Helium isotopic ratios are relative to atmospheric values.

Spring \ No	No	Br	$^3\text{He}/^4\text{He}$ (R/R _a)	Mantle He %	He/Ne Relative. Solubility	SiO ₂	$\delta^{18}\text{O}$	δD	$^{87/86}\text{Sr}$	$^{37/35}\text{Cl}$	$\delta^{13}\text{C CO}_2$	$\delta^{13}\text{C DIC}$
Old Iron	1	0.23	--			1.61	-10.6	-66.4	--	--	--	-2.7,-3.1
Hathorn #3	2	1.39	0.43	4.8	74	0.43	-10.8, -10.8	-62.2, -65.3	0.71662	0.25	-5.2, -5.0	0.82, 0.35
Polaris	3	0.30	--	--	--	0.75	-10.8	-60.4	--	-0.11	--	--
Orenda	4	0.94	0.35	3.9	135	0.46	-10.8	-64.7	0.716416	-0.4	-8.45, -5.2, -5.2	0.28, 0.23
Geyser	5	0.33	--	--	--	1.61	-10.9, -10.9	-67.2, -63.7	0.71497, 0.71495	0.15	-7.4, -7.1, -7.0, -7.3,- 7.31	-3.5
Rosemary	6	0.24	--	--	--	1.43	-10.6	-64.6	--	-0.08		-3.259
Congress	7	0.08	--	--	--	0.57	-10.3	-64.2	--	-0.09	--	--
Hathorn #1	8	0.37	--	--	--	0.46	-10.9, -10.9	-63.8, -63.8	--	0.10	-7.9, -5.1, -5.2	--
Big Red	9	0.52	--			2.50	-10.9	-66.7	0.713052	0.26		--
Peerless	10	0.28	0.42	--	--	0.57	-10.1	-68.2	--	-0.07	--	-5.7, -5.7, -5.8
Old Red	11	0.19	0.42	--	--	1.64	-10.9	-70.8	--	0.12	--	--
Hayes	12	--	0.42	4.7	313	--	-11.1	-66.4	0.715688	0.05	-5.72	-0.52
Deer Park	13	--	--	--	--	--	-10.4	-69.6	--	0.16	--	--
Governor	14	--	--	--	--	--	-10.7	-69	--	0.18	-6.5, -6.8, -6.8, -6.8	-3.6
Siegel Well	15	--	--	--	--	--	-10.8	-73.3	--	--	--	--
State Seal	16	--	--	--	--	--	-10.7	-72.4	--	--	--	--
Lincoln	17	--	0.44	4.9	3880	--	--	--	--	--	--	--