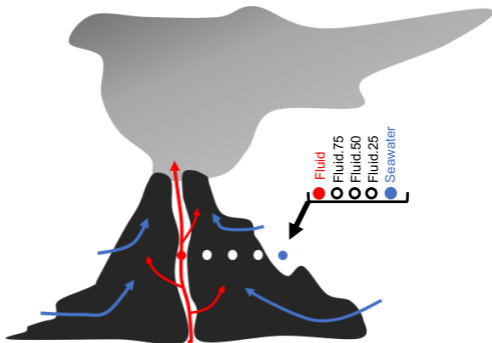


A



B

	Temperature (°C)	logaH <sup>+</sup>	logaH <sub>2</sub> S	logaSO <sub>4</sub> <sup>2-</sup>	ΔG <sup>0</sup> (kJ mol <sup>-1</sup> )	ΔG (kJ mol <sup>-1</sup> )
<b>Basalt-hosted</b>						
TAG	369	-3.40	-2.46	-16.33	164.39	-52.63
TAG.75	232.8	-4.55	-2.58	-3.90	133.96	-16.74
TAG.50	134.5	-5.70	-2.76	-3.06	123.84	-13.39
TAG.25	60.2	-6.85	-3.06	-2.61	120.70	-10.48
Seawater	2	-8.00	-12.00	-2.36	119.48	-41.72
<b>Back-arc basin</b>						
Fenway	358	-2.70	-1.73	-8.77	NA	NA
Fenway.75	223.7	-4.03	-1.85	-3.88	133.70	-8.15
Fenway.50	128.3	-5.35	-2.03	-3.03	123.76	-7.12
Fenway.25	57.2	-6.68	-2.33	-2.61	120.86	-6.05
Seawater	2	-8.00	-12.00	-2.38	119.93	-41.63
<b>Ultramafic-hosted</b>						
Rainbow	367	-2.99	-2.54	-17.22	169.46	-52.03
Rainbow.75	230.0	-4.24	-2.66	-3.97	134.28	-15.65
Rainbow.50	132.2	-5.50	-2.84	-3.11	123.92	-12.89
Rainbow.25	58.9	-6.75	-3.14	-2.64	120.83	-10.41
Seawater	2	-8.00	-12.00	-2.38	119.79	-41.66
<b>Submarine volcano</b>						
Brothers	302	-3.10	-2.85	-6.76	150.81	-21.55
Brothers.75	196.1	-4.33	-2.98	-3.69	130.28	-15.22
Brothers.50	115.7	-5.55	-3.15	-3.00	123.03	-13.10
Brothers.25	52.7	-6.78	-3.46	-2.61	120.82	-11.17
Seawater	2	-8.00	-12.00	-2.39	120.06	-41.61