

Table S2. Chosen molecular ratios discussed in the text.

No.	Location, discharge type	Na/Cl	Ca/SO <sub>4</sub>	SO <sub>4</sub> *100/Cl
1	Canco, springs	1.50	0.70	59.6
2		1.51	0.78	50.2
3		1.32	0.39	51.1
4		1.33	0.30	53.2
5	Huambo, springs	1.73	1.85	639
6		1.33	1.55	567
7		1.62	1.86	614
8		1.27	1.45	617
9		1.13	1.35	414
10	Paclla, geyser	1.02	0.18	27.5
11	Paclla, springs	1.06	0.31	27.3
12		1.05	0.33	27.6
13	Paclla, geyser	1.04	0.20	27.7
14	Paclla, spring	1.07	0.62	25.4
15	Llahuar, springs	1.51	0.60	544
16		1.54	0.57	501
17	Pinchollo, geyser	8.0	0.73	5,812
18		13.2	0.69	10,790
19	Pinchollo, springs	17.7	3.0	6,903
20		7.0	2.3	1,671
21		10.0	1.85	3,991
22	Hualca Hualca, solfatara	197	0.46	94,437
23	Yanque, springs	4.5	0.38	185
24		5.4	0.15	200
25		1.75	0.40	33.7
26	Puye, spring	1.57	0.56	23.3
27	Umaru, spring	1.33	0.85	25.6
28	Sallihua, spring	1.66	0.86	29.3
29	La Calera, spring	1.24	1.06	13.7
30		1.16	0.72	13.9
31	La Calera, spring below	1.39	1.32	22.0
32	La Calera, spring above	1.30	1.19	11.9
33	La Calera, spring below	1.35	1.36	16.3
34	Sibayo, spring	2.4	0.60	39.1
35	Cabanaconde, spring	9.4	0.88	2,066