

Table S1. The ratio of ions to Na⁺ and Ca²⁺, as well as the SO₄²⁻/NO₃⁻ ratio in precipitation at the studied stations.

Row	Station	Cl ⁻ /Na ⁺	Mg ²⁺ /Na ⁺	K ⁺ /Na ⁺	SO ₄ ²⁻ /Na ⁺	Ca ²⁺ /Na ⁺	Cl ⁻ /Ca ²⁺	Mg ²⁺ /Ca ²⁺	K ⁺ /Ca ²⁺	SO ₄ ²⁻ /Ca ²⁺	Na ⁺ /Ca ²⁺	SO ₄ ²⁻ /NO ₃ ⁻
Continental stations												
1	Shiraz	1.76	0.35	0.59	4.90	4.34	0.40	0.08	0.13	1.13	0.23	–
2	Ahvaz	1.84	0.10	–	4.33	1.99	0.92	0.05	0.15	2.17	0.50	–
3	Shahrud	1.03	0.18	0.36	2.95	2.81	0.37	0.06	0.13	1.05	0.36	–
4	Haraz	1.16	0.27	0.58	2.60	6.61	0.18	0.04	0.09	0.40	0.15	0.99
5	Sarcheshmeh	2.77	0.23	5.77	12.23	3.54	0.79	0.07	1.65	3.47	0.28	21.77
6	Tehran	0.88	0.77	0.40	4.38	3.38	0.26	0.23	0.16	1.29	0.29	1.94
7	Mashhad	1.18	0.06	0.03	1.09	0.58	2.05	0.11	0.05	1.88	1.73	–
8	Arak	0.23	0.51	0.05	2.25	1.35	0.17	0.38	0.04	1.66	0.74	–
9	Urmia	–	–	–	–	–	–	–	–	–	–	0.72
10	Riyadh	1.56	0.25	0.30	2.84	5.16	0.30	0.05	0.06	0.55	0.19	–
11	Eshidiya	1.52	0.52	0.51	2.40	0.42	3.62	1.25	1.25	5.75	2.37	11.99
12	Ankara	4.25	0.24	0.45	9.86	4.34	0.98	0.05	0.10	2.27	0.23	0.88
13	Faryab	1.12	0.32	0.48	2.2	2.84	0.39	0.11	0.17	0.77	0.35	1.57
14	Hadath	2.73	0.56	0.30	0.15	1.22	2.23	0.46	0.25	0.12	0.82	0.37
15	Nabatieh	2.67	0.30	0.30	0.32	1.23	2.17	0.25	0.25	0.26	0.82	0.38
16	Palmyra	2.47	1.85	0.38	6.63	13.58	0.18	0.14	0.03	0.50	0.08	1.39
17	Damascus	2.78	1.23	0.31	12.19	14.20	0.20	0.09	0.02	0.86	0.07	2.39
18	Amman	0.40	0.07	0.06	0.36	0.40	1.02	0.18	0.16	0.93	2.55	1.88
19	Baghdad	4.60	1.47	0.47	9.11	3.19	1.43	0.46	0.15	2.85	0.31	–
20	Ramallah	–	–	0.45	–	–	–	–	–	–	–	–
Coastal stations												
21	Jerdab	–	–	–	–	1.04	–	–	–	–	–	–
22	Tartus	1.73	0.35	0.14	0.64	4.45	1.66	0.33	0.13	0.62	0.96	0.65
23	Dhahran	1.70	0.36	0.13	3.74	3.10	0.55	0.12	0.04	1.20	0.32	1.26
24	Istanbul	4.11	1.74	1.60	5.56	4.25	0.96	0.40	0.37	1.31	0.24	–
25	Tripoli	7.45	2.80	3.85	1.19	19.93	1.95	0.61	0.40	0.38	0.88	2.79
26	Damietta	–	–	–	–	–	–	–	–	–	–	1.39
27	Karachi	0.77	0.11	0.46	1.71	0.60	1.28	0.18	0.78	2.85	1.65	–
28	Mahshahr	0.78	0.26	0.03	2.49	0.58	1.36	0.45	0.04	4.31	1.73	13.46