Supplementary material

Table S1. Statistical table of physicochemical parameters for groundwater and river water samples.

Sample ID	Type	pH	TH	EC	TDS	K^+	Na^+	Ca^{2+}	Mg^{2+}	Cl^-	SO_4^{2-}	HCO_3^-	NO_3^-	NH_4^+
			mg/L	μS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
R1	River water	8.24	416.73	1770.00	1069.65	12.50	226.32	132.26	20.66	336.78	196.92	268.49	9.19	0.77
R2	River water	8.27	416.96	1730.00	1046.53	9.40	220.82	124.25	25.52	333.23	177.71	292.90	8.92	0.22
R3	River water	8.24	416.63	1730.00	1051.28	11.15	219.19	136.27	18.23	319.05	201.73	274.59	8.31	0.04
R4	River water	8.41	235.58	990.00	643.30	6.75	154.67	90.18	2.43	198.52	91.26	189.16	4.63	0.28
R5	River water	8.35	240.98	1010.00	669.13	11.30	153.48	78.16	10.94	198.52	86.45	250.18	5.10	0.09
R6	River water	8.29	210.71	940.00	610.95	5.80	147.03	74.15	6.08	191.43	72.05	219.67	4.33	0.24
R7	River water	8.00	432.18	1860.00	1153.96	12.75	261.08	122.24	30.38	404.13	172.91	280.69	9.90	0.17
G1	Groundwater	7.82	435.24	1614.50	1056.86	14.78	188.02	118.24	34.02	372.23	216.14	109.84	58.48	0.00
G2	Groundwater	8.04	490.34	1464.80	878.34	19.55	107.55	162.32	20.66	389.95	84.05	170.86	8.83	0.00
G3	Groundwater	8.56	235.19	1029.90	607.53	9.48	138.47	58.12	21.87	219.79	72.05	164.75	5.05	0.32
G4	Groundwater	8.16	415.23	1335.80	776.30	15.11	108.58	112.22	32.80	368.68	108.07	48.82	6.43	0.00
G5	Groundwater	7.64	455.50	1636.60	1042.23	14.44	216.90	124.25	35.24	354.50	96.06	378.32	11.55	0.13
G6	Groundwater	7.59	530.39	2031.60	1356.58	14.00	292.60	152.30	36.45	418.31	252.16	347.81	16.32	0.53
G7	Groundwater	7.89	375.44	1425.90	906.63	8.40	187.78	124.25	15.80	252.33	192.12	237.98	6.83	0.13
G8	Groundwater	7.89	275.22	1511.60	957.62	9.25	255.90	72.14	23.09	333.23	144.09	219.67	9.93	0.15
G9	Groundwater	7.81	350.17	1382.90	866.98	8.60	183.81	120.24	12.15	283.60	120.08	262.39	7.16	0.14
G10	Groundwater	7.60	560.34	1726.70	1162.85	13.00	221.50	168.34	34.02	304.87	96.06	567.49	41.14	0.17
G11	Groundwater	8.12	400.26	1507.30	933.21	11.09	177.50	114.23	27.95	331.81	168.11	205.03	-	-
G12	Groundwater	7.63	395.34	1778.00	1164.16	15.78	252.50	140.28	10.93	354.50	283.38	213.57	-	-

G13	Groundwater	7.62	385.43	1459.60	905.48	10.78	172.50	125.25	17.62	319.05	165.70	189.16	-	-
G14	Groundwater	7.87	1776.30	12893.00	12043.44	228.13	3650.00	350.70	218.70	5778.35	1729.08	176.96	-	-
G15	Groundwater	8.32	420.23	2554.30	1865.85	29.38	470.00	122.24	27.95	315.51	775.68	250.18	-	-
G16	Groundwater	8.07	540.43	2098.30	1404.35	18.13	290.00	150.30	40.10	393.50	350.62	323.41	-	-
G17	Groundwater	8.41	370.29	1689.40	1106.74	15.63	250.00	102.20	27.95	272.97	343.41	189.16	-	-
G18	Groundwater	7.90	555.48	2299.90	1554.27	17.19	275.00	138.28	51.03	521.12	408.26	286.79	-	-
G19	Groundwater	7.66	435.37	1717.80	1101.20	14.69	235.00	145.29	17.62	361.59	189.72	274.59	-	-
G20	Groundwater	7.94	385.18	1438.70	890.99	10.94	175.00	120.24	20.65	297.78	165.70	201.37	-	-
G21	Groundwater	8.14	420.27	1731.90	1093.09	14.84	237.50	114.23	32.81	393.50	187.32	225.77	-	-
G22	Groundwater	8.27	545.51	2693.10	1897.84	28.13	450.00	130.26	53.46	514.03	590.77	262.39	-	-
G23	Groundwater	8.22	295.23	1035.60	583.95	5.78	92.50	90.18	17.01	275.09	79.25	48.28	-	-
G24	Groundwater	7.99	345.28	1272.80	773.33	9.84	157.50	84.17	32.81	251.70	115.27	244.08	-	-
G25	Groundwater	8.40	90.05	1040.40	607.84	12.03	192.50	30.06	3.64	283.60	76.85	18.31	-	-
G26	Groundwater	7.91	275.21	1580.20	945.09	15.00	240.00	90.18	12.15	340.32	168.11	158.65	-	-
G27	Groundwater	8.44	245.20	999.55	590.68	8.13	130.00	72.14	15.80	191.43	81.65	183.06	-	-