

# APCA 6

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1/23/2021

## Loadings

element	MeanConc	source_1	source_2	source_3	source_4	source_5	source_6	r_squared	PredConc	Pct_error
aluminum	22.52	-0.08	0.13	17.29	4.28	3.51	2.15	0.47	27.29	21.17
ammonium	1082.59	192.89	10.03	134.14	782.97	-14.01	38.57	0.93	1144.59	5.73
arsenic	0.48	0.09	0.00	0.03	0.14	0.08	0.02	0.15	0.36	-24.06
barium	1.77	0.08	0.15	0.61	-0.04	2.37	0.04	0.55	3.21	81.69
bromine	3.02	0.71	0.26	0.21	0.81	0.49	-0.15	0.33	2.33	-22.63
cadmium	1.70	0.17	-0.07	0.17	-0.07	-0.03	-0.14	0.01	0.03	-97.95
calcium	49.59	16.72	2.72	15.59	5.76	0.08	4.16	0.52	45.04	-9.18
chlorine	34.65	12.13	40.92	-5.38	3.65	1.46	1.26	0.65	54.05	56.01
chromium	2.26	-0.01	-0.07	0.05	-0.47	-0.28	3.68	0.29	2.91	28.38
copper	4.60	1.15	-0.09	0.68	0.90	1.70	1.15	0.76	5.49	19.37
EC	701.84	176.83	-2.11	127.45	120.33	66.00	125.06	0.49	613.55	-12.58
iron	105.46	12.69	-0.60	28.04	12.06	9.84	31.39	0.90	93.42	-11.42
lead	1.87	1.07	0.02	0.14	0.49	0.50	-0.13	0.43	2.09	11.77
magnesium	7.34	-1.21	6.17	0.22	-0.19	4.03	-0.68	0.92	8.34	13.70
manganese	1.97	0.73	0.02	0.47	0.41	0.10	0.62	0.75	2.34	18.63
nickel	4.55	2.10	0.18	0.24	0.86	-0.59	1.88	0.69	4.66	2.50
nitrate	1553.29	639.39	107.89	-14.87	644.98	30.50	214.49	0.55	1622.37	4.45
OC	2703.85	153.24	-64.49	402.07	733.67	438.28	89.71	0.75	1752.49	-35.19
pm25	10225.30	1094.85	110.09	1516.19	4034.59	1121.93	325.86	0.84	8203.51	-19.77
potassium	39.24	4.75	4.07	2.43	13.41	35.22	-4.43	0.55	55.44	41.28
selenium	0.36	0.05	0.01	0.06	0.21	0.02	-0.01	0.29	0.34	-5.05
silicon	61.61	4.55	1.33	53.66	9.08	1.56	-1.92	0.94	68.25	10.78
sodium	94.93	4.32	58.95	9.18	3.87	-8.28	4.95	0.92	73.00	-23.11
sulfur	779.59	-29.02	-3.34	156.58	464.41	50.79	-24.12	0.84	615.30	-21.07
titanium	2.34	0.07	-0.02	1.46	0.41	0.32	0.20	0.49	2.45	5.06
vanadium	2.69	0.79	0.10	0.78	1.33	0.17	0.47	0.44	3.65	35.48
zinc	25.17	19.23	0.56	-1.25	2.55	2.03	-0.90	0.96	22.22	-11.69

## Source proportions

Bar graph of the above proportions

