S Table 2 Spearman correlation analyses of the components at the upwind station

upwind	OM	EC	Cl	SO4	NO3	NH4	Na	Mg	Al	Ca	V	Mn	Fe	Ni	Cu	Zn	Mo	Cd	Sb	Ba	Pb	PM10	OH·	NO	NOx	NO2
OM	1	.864**	-.432**	.607**	0.038	.518**	-.346**	-0.056	.628**	.620**	.607**	.718**	.789**	.616**	.722**	.662**	.414**	.585**	.462**	.346**	.665**	.521**	.284*	.627**	.552**	.449**
EC	.864**	1	-.422**	.690**	0.244	.693**	-.489**	-0.229	.516**	.529**	.610**	.724**	.802**	.663**	.758**	.685**	.435**	.697**	.605**	.429**	.734**	.563**	0.251	.730**	.702**	.624**
Cl	-.432**	-.422**	1	-0.072	.508**	-0.17	.648**	.384**	-.267*	-0.206	-0.217	-.360**	-.437**	-0.204	-.421**	-0.145	-0.243	-0.119	-0.206	-0.072	-0.2	0.15	-0.187	-0.243	-0.151	-0.068
SO4	.607**	.690**	-0.072	1	.540**	.788**	-0.23	0.016	.312*	.423**	.741**	.491**	.513**	.649**	.449**	.515**	.320*	.551**	.410**	.388**	.531**	.752**	0.105	.500**	.474**	.448**
NO3	0.038	0.244	.508**	.540**	1	.505**	0.069	-0.028	-0.148	-0.022	0.187	0.053	-0.02	0.219	-0.014	.263*	0.092	.394**	0.22	.271*	0.249	.521**	-.277*	0.227	.352**	.462**
NH4	.518**	.693**	-0.17	.788**	.505**	1	-.512**	-.387**	0.107	0.09	.636**	.323*	.347**	.508**	.293*	.327*	0.169	.502**	.422**	0.201	.515**	.693**	-0.17	.408**	.422**	.426**
Na	-.346**	-.489**	.648**	-0.23	0.069	-.512**	1	.804**	-0.084	0.122	-0.122	-0.199	-0.233	-0.084	-0.217	-0.121	-0.108	-.304*	-0.216	-0.102	-0.228	-0.062	0.063	-0.188	-0.21	-0.225
Mg	-0.056	-0.229	.384**	0.016	-0.028	-.387**	.804**	1	.317*	.504**	0.084	0.167	0.131	0.12	0.072	0.071	0.043	-0.168	-0.092	0.12	-0.057	0.171	.303*	-0.037	-0.09	-0.13
Al	.628**	.516**	-.267*	.312*	-0.148	0.107	-0.084	.317*	1	.790**	.388**	.770**	.770**	.487**	.683**	.550**	.440**	.393**	0.195	.468**	.484**	.367**	.561**	.317*	0.248	0.178
Ca	.620**	.529**	-0.206	.423**	-0.022	0.09	0.122	.504**	.790**	1	.407**	.806**	.786**	.560**	.657**	.709**	.583**	.445**	0.227	.424**	.530**	.350**	.503**	.330*	.270*	0.206
V	.607**	.610**	-0.217	.741**	0.187	.636**	-0.122	0.084	.388**	.407**	1	.480**	.554**	.685**	.531**	.492**	0.24	.487**	.478**	0.159	.625**	.565**	.270*	.400**	.344**	.279*
Mn	.718**	.724**	-.360**	.491**	0.053	.323*	-0.199	0.167	.770**	.806**	.480**	1	.926**	.621**	.803**	.802**	.530**	.604**	.430**	.463**	.768**	.430**	.605**	.429**	.412**	.380**
Fe	.789**	.802**	-.437**	.513**	-0.02	.347**	-0.233	0.131	.770**	.786**	.554**	.926**	1	.712**	.902**	.737**	.531**	.589**	.584**	.487**	.730**	.370**	.586**	.621**	.585**	.510**
Ni	.616**	.663**	-0.204	.649**	0.219	.508**	-0.084	0.12	.487**	.560**	.685**	.621**	.712**	1	.662**	.637**	.478**	.597**	.482**	.401**	.646**	.447**	.309*	.559**	.510**	.443**
Cu	.722**	.758**	-.421**	.449**	-0.014	.293*	-0.217	0.072	.683**	.657**	.531**	.803**	.902**	.662**	1	.699**	.528**	.566**	.594**	.515**	.713**	.313*	.570**	.685**	.636**	.547**
Zn	.662**	.685**	-0.145	.515**	.263*	.327*	-0.121	0.071	.550**	.709**	.492**	.802**	.737**	.637**	.699**	1	.597**	.784**	.370**	.400**	.832**	.369**	.434**	.372**	.383**	.382**
Mo	.414**	.435**	-0.243	.320*	0.092	0.169	-0.108	0.043	.440**	.583**	0.24	.530**	.531**	.478**	.528**	.597**	1	.432**	0.017	.623**	.449**	0.02	0.206	0.24	0.221	0.195
Cd	.585**	.697**	-0.119	.551**	.394**	.502**	-.304*	-0.168	.393**	.445**	.487**	.604**	.589**	.597**	.566**	.784**	.432**	1	.459**	.353**	.771**	.476**	0.235	.438**	.481**	.516**
Sb	.462**	.605**	-0.206	.410**	0.22	.422**	-0.216	-0.092	0.195	0.227	.478**	.430**	.584**	.482**	.594**	.370**	0.017	.459**	1	.283*	.528**	.272*	0.15	.656**	.744**	.771**
Ba	.346**	.429**	-0.072	.388**	.271*	0.201	-0.102	0.12	.468**	.424**	0.159	.463**	.487**	.401**	.515**	.400**	.623**	.353**	.283*	1	.309*	0.219	0.198	.360**	.401**	.444**
Pb	.665**	.734**	-0.2	.531**	0.249	.515**	-0.228	-0.057	.484**	.530**	.625**	.768**	.730**	.646**	.713**	.832**	.449**	.771**	.528**	.309*	1	.470**	.454**	.385**	.414**	.437**
PM10	.521**	.563**	0.15	.752**	.521**	.693**	-0.062	0.171	.367**	.350**	.565**	.430**	.370**	.447**	.313*	.369**	0.02	.476**	.272*	0.219	.470**	1	0.107	.365**	.326*	.307*
OH·	.284*	0.251	-0.187	0.105	-.277*	-0.17	0.063	.303*	.561**	.503**	.270*	.605**	.586**	.309*	.570**	.434**	0.206	0.235	0.15	0.198	.454**	0.107	1	0.094	0.038	-0.02
NO	.627**	.730**	-0.243	.500**	0.227	.408**	-0.188	-0.037	.317*	.330*	.400**	.429**	.621**	.559**	.685**	.372**	0.24	.438**	.656**	.360**	.385**	.365**	0.094	1	.944**	.790**
NOx	.552**	.702**	-0.151	.474**	.352**	.422**	-0.21	-0.09	0.248	.270*	.344**	.412**	.585**	.510**	.636**	.383**	0.221	.481**	.744**	.401**	.414**	.326*	0.038	.944**	1	.937**
NO2	.449**	.624**	-0.068	.448**	.462**	.426**	-0.225	-0.13	0.178	0.206	.279*	.380**	.510**	.443**	.547**	.382**	0.195	.516**	.771**	.444**	.437**	.307*	-0.02	.790**	.937**	1

****. Correlation is significant on level of 0,01 (2-tailed).**

***. Correlation is significant on level of 0,05 (2-tailed).**