S Table 4 Spearman correlation analyses of the components at the downwind station

overall	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	.877**	-.359**	.553**	0.079	.468**	-.309**	-0.049	.570**	.586**	.428**	.763**	.785**	.559**	.712**	.664**	.418**	.555**	.608**	.513**	.625**	.521**	0.156	.634**	.651**	.695**
EC	.877**	1	-.287**	.586**	.222*	.564**	-.327**	-0.117	.455**	.516**	.441**	.761**	.834**	.567**	.799**	.642**	.439**	.577**	.727**	.570**	.631**	.611**	0.142	.778**	.800**	.831**
Cl	-.359**	-.287**	1	-0.072	.495**	-.185*	.715**	.390**	-.227*	-0.031	-.217*	-.302**	-.341**	-.205*	-.315**	-0.09	-0.005	-0.076	-.277**	0.012	-.218*	0.177	-0.056	-0.033	-0.019	-0.039
SO4	.553**	.586**	-0.072	1	.528**	.779**	-.230*	-0.013	.354**	.415**	.699**	.472**	.380**	.662**	.285**	.509**	.308**	.623**	.275**	.326**	.558**	.723**	-0.156	.257**	.294**	.403**
NO3	0.079	.222*	.495**	.528**	1	.491**	0.176	-0.029	-0.089	0.099	.218*	0.047	-0.056	.232*	-0.086	.314**	.202*	.461**	-0.031	.187*	.252**	.509**	-.354**	0.157	.211*	.276**
NH4	.468**	.564**	-.185*	.779**	.491**	1	-.466**	-.403**	0.106	0.081	.644**	.297**	.262**	.501**	.201*	.321**	0.147	.554**	.256**	0.144	.539**	.686**	-.357**	.213*	.254**	.372**
Na	-.309**	-.327**	.715**	-.230*	0.176	-.466**	1	.743**	-0.093	.205*	-0.135	-.189*	-0.171	-0.094	-0.152	-0.064	0.046	-.210*	-.208*	-0.004	-.230*	-0.019	0.096	0.004	-0.025	-0.101
Mg	-0.049	-0.117	.390**	-0.013	-0.029	-.403**	.743**	1	.353**	.503**	0.08	.199*	0.174	0.138	0.113	0.101	0.109	-0.116	0.009	.214*	-0.055	0.138	.317**	0.05	0.031	-0.002
Al	.570**	.455**	-.227*	.354**	-0.089	0.106	-0.093	.353**	1	.740**	.312**	.731**	.595**	.501**	.486**	.545**	.413**	.397**	.242**	.487**	.463**	.307**	.322**	.224*	.227*	.261**
Ca	.586**	.516**	-0.031	.415**	0.099	0.081	.205*	.503**	.740**	1	.291**	.732**	.633**	.556**	.505**	.683**	.616**	.451**	.262**	.514**	.455**	.349**	.223*	.387**	.391**	.413**
V	.428**	.441**	-.217*	.699**	.218*	.644**	-0.135	0.08	.312**	.291**	1	.384**	.391**	.672**	.347**	.397**	0.141	.490**	.327**	0.092	.586**	.540**	0.01	0.162	0.169	.222*
Mn	.763**	.761**	-.302**	.472**	0.047	.297**	-.189*	.199*	.731**	.732**	.384**	1	.863**	.571**	.751**	.759**	.453**	.587**	.589**	.554**	.713**	.447**	.398**	.517**	.543**	.589**
Fe	.785**	.834**	-.341**	.380**	-0.056	.262**	-0.171	0.174	.595**	.633**	.391**	.863**	1	.539**	.940**	.572**	.443**	.403**	.836**	.624**	.526**	.410**	.441**	.758**	.767**	.769**
Ni	.559**	.567**	-.205*	.662**	.232*	.501**	-0.094	0.138	.501**	.556**	.672**	.571**	.539**	1	.454**	.616**	.453**	.586**	.343**	.331**	.623**	.418**	-0.007	.339**	.349**	.390**
Cu	.712**	.799**	-.315**	.285**	-0.086	.201*	-0.152	0.113	.486**	.505**	.347**	.751**	.940**	.454**	1	.501**	.441**	.321**	.858**	.631**	.463**	.348**	.473**	.786**	.792**	.781**
Zn	.664**	.642**	-0.09	.509**	.314**	.321**	-0.064	0.101	.545**	.683**	.397**	.759**	.572**	.616**	.501**	1	.560**	.794**	.327**	.431**	.797**	.384**	0.166	.359**	.386**	.430**
Mo	.418**	.439**	-0.005	.308**	.202*	0.147	0.046	0.109	.413**	.616**	0.141	.453**	.443**	.453**	.441**	.560**	1	.406**	0.143	.621**	.337**	0.087	0.071	.369**	.377**	.373**
Cd	.555**	.577**	-0.076	.623**	.461**	.554**	-.210*	-0.116	.397**	.451**	.490**	.587**	.403**	.586**	.321**	.794**	.406**	1	.258**	.301**	.812**	.511**	-0.005	.242**	.289**	.377**
Sb	.608**	.727**	-.277**	.275**	-0.031	.256**	-.208*	0.009	.242**	.262**	.327**	.589**	.836**	.343**	.858**	.327**	0.143	.258**	1	.496**	.379**	.339**	.351**	.745**	.773**	.781**
Ba	.513**	.570**	0.012	.326**	.187*	0.144	-0.004	.214*	.487**	.514**	0.092	.554**	.624**	.331**	.631**	.431**	.621**	.301**	.496**	1	.265**	.301**	.250**	.558**	.588**	.618**
Pb	.625**	.631**	-.218*	.558**	.252**	.539**	-.230*	-0.055	.463**	.455**	.586**	.713**	.526**	.623**	.463**	.797**	.337**	.812**	.379**	.265**	1	.473**	0.148	.247**	.290**	.381**
PM10	.521**	.611**	0.177	.723**	.509**	.686**	-0.019	0.138	.307**	.349**	.540**	.447**	.410**	.418**	.348**	.384**	0.087	.511**	.339**	.301**	.473**	1	-0.058	.387**	.413**	.506**
OH·	0.156	0.142	-0.056	-0.156	-.354**	-.357**	0.096	.317**	.322**	.223*	0.01	.398**	.441**	-0.007	.473**	0.166	0.071	-0.005	.351**	.250**	0.148	-0.058	1	.252**	.216*	0.117
NO	.634**	.778**	-0.033	.257**	0.157	.213*	0.004	0.05	.224*	.387**	0.162	.517**	.758**	.339**	.786**	.359**	.369**	.242**	.745**	.558**	.247**	.387**	.252**	1	.987**	.897**
NOx	.651**	.800**	-0.019	.294**	.211*	.254**	-0.025	0.031	.227*	.391**	0.169	.543**	.767**	.349**	.792**	.386**	.377**	.289**	.773**	.588**	.290**	.413**	.216*	.987**	1	.947**
NO2	.695**	.831**	-0.039	.403**	.276**	.372**	-0.101	-0.002	.261**	.413**	.222*	.589**	.769**	.390**	.781**	.430**	.373**	.377**	.781**	.618**	.381**	.506**	0.117	.897**	.947**	1

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

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