

SUPPLEMENTARY INFORMATION

S1. Results of the principal component analysis performed for the chemical database of PM10 and PM2.5 obtained at both F-L3 and S-L9 platforms. Bold numbers highlight loading factors >[0.6].

	Factor 1	Factor 2	Factor 3
PM	0.7	0.0	0.6
NO ₃ ⁻	-0.2	0.9	0.1
NH ₄ ⁺	0.0	0.8	-0.3
OC+EC	0.8	0.0	0.2
Al	0.7	0.2	0.6
Ca	0.5	0.3	0.8
Fe	0.5	0.0	0.8
K	0.4	0.7	0.4
Mg	0.9	0.1	0.3
Mn	0.7	0.0	0.6
Na	0.1	0.9	0.0
SO ₄ ²⁻	0.6	0.7	0.2
Ti	0.8	0.3	0.5
Ba	0.9	0.0	0.3
Cr	0.6	0.0	0.8
Cu	0.9	0.0	0.4
Zn	0.8	0.0	0.5
Li	0.7	0.2	0.4
V	0.6	0.6	0.2
Co	0.8	0.0	0.5
Ni	0.8	0.0	0.5
As	0.8	0.0	0.2
Se	0.0	0.7	0.1
Rb	0.5	0.4	0.6
Sr	0.9	0.0	0.3
Mo	0.9	-0.1	0.3
Cd	0.8	0.2	0.4
Sn	0.9	0.0	0.4
Sb	0.3	-0.4	0.6
La	0.7	0.2	0.4
W	0.8	-0.1	0.3
Pb	0.9	0.2	0.3
Th	0.5	-0.2	0.7
U	0.2	-0.7	0.3