

Table S3: Correlation between 24-hour PM_{2.5} and the trace elements on 350 days at the School of Health Systems and Public Health, University of Pretoria during 18 April 2017 and 28 February 2020

	PM _{2.5}	Soot	BC	UV-PM	Br	Ca	Cl	Cu	Fe	K	S	Si	Ti	U	Zn
PM _{2.5}	1														
Soot	0.45	1													
BC	0.74	0.47*	1												
UV-PM	0.71	0.47*	0.95*	1											
Br	0.81	0.45*	0.80*	0.79*	1										
Ca	0.58	0.34*	0.52*	0.51*	0.64*	1									
Cl	0.55	0.40*	0.60*	0.57	0.64*	0.58*	1								
Cu	0.38	0.14*	0.32*	0.24*	0.33*	0.26*	0.39*	1							
Fe	0.67	0.50*	0.64*	0.68*	0.78*	0.69*	0.57*	0.14*	1						
K	0.55	0.38*	0.49*	0.51*	0.65*	0.67*	0.72*	0.19*	0.68*	1					
S	0.21	0.2096*	0.07	0.11*	0.21*	0.38*	0.27*	-0.07	0.37*	0.53*	1				
Si	0.39	0.19*	0.22*	0.22*	0.39*	0.58*	0.36*	0.17*	0.51*	0.49*	0.48*	1			
Ti	0.54	0.28*	0.3-*	0.38*	0.56*	0.70*	0.50*	0.25*	0.68*	0.55*	0.37*	0.60*	1		
U	-0.81	0.12*	-0.19*	-0.24*	-0.18*	-0.16*	-0.10	0.12*	-0.27*	-0.13*	-0.20*	0.08	-0.08	1	
Zn	0.68	0.45*	0.69*	0.66*	0.75*	0.60*	0.54*	0.31*	0.69*	0.47*	0.29*	0.37*	0.56*	-0.22*	1

Correlations were significant; mostly $p < 0.001$

*Not significant; $p \geq 0.001$

No missing values