

**Table S1:** A summary of the main trace elements in each factor configuration for the full dataset above LoD including adjusted Ni as modelled by PMF from 18 April 2017 to 28 February 2020 at the School of Health Systems and Public Health.

4	1	Biomass burning	Cl, Zn and Br
	2	Resuspended dust matrix	Cl, K, Ca, Ti, U and Si
	3	Industry	PM <sub>2.5</sub> , BC, UV-PM, Ca, Ti, Fe, Ni (adj) and Br
	4	Exhaust	S and Si
5	1	Fossil fuels	Cl, Zn and Br
	2	Biomass burning	Cl and K
	3	Resuspended dust matrix	PM <sub>2.5</sub> , BC, UV-PM, Ca, Ti, Fe, Ni (adj) and Si
	4	Exhaust	S, Cu and Si
	5	Industry	PM <sub>2.5</sub> , BC, UV-PM, Ca, Ti, Fe, Ni (adj) and U
6	1	Biomass burning	Cl, K, Cu and Br
	2	Resuspended dust matrix	Ca, Ti, Fe and Si
	3	Industry	PM <sub>2.5</sub> , BC, UV-PM, Ti, Fe, Ni (adj) and Br
	4	Vehicular emissions	Cl, Cu and Zn
	5	Mining	Ni (adj), Cu and U
	6	Exhaust	S and U