

List of Abbreviations

ADD	Normal average daily dose
AQMS	Air quality monitoring station
DBAAS	Double Beam Atomic Absorption Spectrophotometer
DMA	Direct Mercury Analyser
DPSV	Differential Pulse Stripping Voltammetry
EF	Enrichment factor
g	gram
HVS	High volume sampler
IARC	International Agency for Research on Cancer
ICP-OES	Inductively Coupled Plasma - Optical Emission Spectroscopy
IRIS	Integrated Risk Information Database
LADD	lifetime average daily dose
NAAQS	National ambient air quality standards
NCL	Northern Coalfield Limited
ng m ⁻³	Nanogram per cubic meter
PCA	Principal component analysis
PM	Particulate matter
PM ₁₀	Particulate matter aerodynamic size less than 10 µm in diameter
PM _{2.5}	Particulate matter aerodynamic size less than 2.5 µm in diameter
PMF	Positive matrix factorization
RfD	reference dose
SEM	Scanning electron microscope
SPM	Suspended particulate matter
TSPM	Total suspended particulate matter
USEPA	United States Environmental Protection Agency
WHO	World health organization
WSIC	Water-soluble inorganic ionic compounds
XRD	X-ray diffraction
XRF	X-ray fluorescence
µg m ⁻³	Microgram per cubic meter
Bq m ⁻³	Becquerels per cubic meter
ng d ⁻¹	Nanogram per day
µg d ⁻¹	Microgram per day