

Supplementary Tables

Supplementary Table S1. Composition of CRM-PM₁₀-PAHs.

PAHs	Mass Fraction	
	Certified value [mg/kg]	Uncertainty [mg/kg]
Benzo[a]anthracene	0.91	0.07
Benzo[a]pyrene	0.72	0.05
Benzo[b]fluoranthene	1.42	0.14
Benzo[j]fluoranthene	0.75	0.14
Benzo[k]fluoranthene	0.67	0.06
Dibenzo[a,h]anthracene	0.18	0.04
Indeno[1,2,3-c,d]pyrene	1.07	0.10
Sum of benzo[b]fluoranthene, benzo[k]fluoranthene and benzo[j]fluoranthene	2.84	0.21
Additional Material Information		
PAHs	Value [mg/kg]	
Anthracene	0.28	
Benzo[g,h,i]perylene	1.76	
Chrysene	1.61	
Coronene	0.84	
Fluoranthene	4.67	
Phenanthrene	2.23	
Pyrene	4.59	

Supplementary Table S2. Composition of CRM-PM₁₀-Trace.

Trace	Mass Fraction	
	Certified value [mg/kg]	Uncertainty [mg/kg]
Arsenic	7.1	0.7
Cadmium	0.90	0.22
Lead	113	17
Nickel	58	7

Additional Material Information					
Trace	Mass fraction Value [mg/kg]	Trace	Mass fraction Value [mg/kg]	Trace	Mass fraction Value [mg/kg]
Aluminium	34100	Gallium	8.7	Sodium	14211
Antimony	64.7	Gold	0.02	Strontium	251
Barium	562.2	Hafnium	8.4	Tantalum	1.0
Bromine	10.2	Iron	38144	Terbium	0.6
Caesium	3.1	Lanthanum	25.0	Thorium	7.0
Calcium	63043	Magnesium	13200	Titanium	4372
Cerium	56.8	Manganese	611	Total carbon	111333
Chlorine	10033	Molybdenum	33.2	Total organic carbon	76633
Chromium	201	Neodymium	22.2	Tungsten	4.1
Cobalt	14.3	Potassium	10998	Uranium	2.6
Copper	462	Rubidium	52.3	Vanadium	72.4
Dysprosium	3.3	Samarium	4.1	Ytterbium	1.7
Elemental carbon	45433	Scandium	7.4	Zinc	1240
Europium	0.8	Silicon	229000	Zirconium	341

Supplementary Table S3. Composition of CRM-PM₁₀-Ions.

Ions	Mass Fraction	
	Certified value [g/kg]	Uncertainty [g/kg]
Na ⁺	20.4	2.0
K ⁺	3.3	0.5
Ca ²⁺	44	9
Mg ²	1.8	0.4
Cl ⁻	26.2	2.1
NO ₃ ⁻	7.8	0.7
SO ₄ ²⁻	75	13
Additional Material Information		
Ions	Indicative value [g/kg]	Uncertainty [g/kg]
NH ₄ ⁺	1.3	0.5
Additional Material Information		
Ions	Value [g/kg]	
Na	23	
K	8.5	
Ca	65	
Mg	9.2	