

Supplementary Materials

Table S1. Recoveries, limits of detection (LOD) and quantification (LOQ) of the target compounds in this study

NO.	Compounds	m/z ^a	Recoveries (%)	LOD (ng/μL)	LOQ (ng/μL)
1	Phe	m/z = 178	78	0.0039	0.013
2	Ant	m/z = 178	98	0.0049	0.016
3	Flu	m/z = 202	114	0.0035	0.012
4	Pyr	m/z = 202	117	0.0080	0.027
5	BaA	m/z = 228	122	0.0033	0.011
6	Chr	m/z = 228	117	0.0034	0.011
7	BbF	m/z = 252	111	0.0055	0.018
8	BkF	m/z = 252	103	0.0029	0.0095
9	BaF	m/z = 252	ND ^b	ND ^b	ND ^b
10	BeP	m/z = 252	ND ^b	ND ^b	ND ^b
11	BaP	m/z = 252	109	0.0038	0.013
12	Per	m/z = 252	ND ^b	ND ^b	ND ^b
13	IP	m/z = 276	94	0.0029	0.0095
14	BghiP	m/z = 276	83	0.0030	0.0099
15	DBA	m/z = 278	83	0.0052	0.017

^a Mass-to-charge ratio of fragment ions for qualification and quantification. ^b ND: not detected, because the standards are not commercially available.

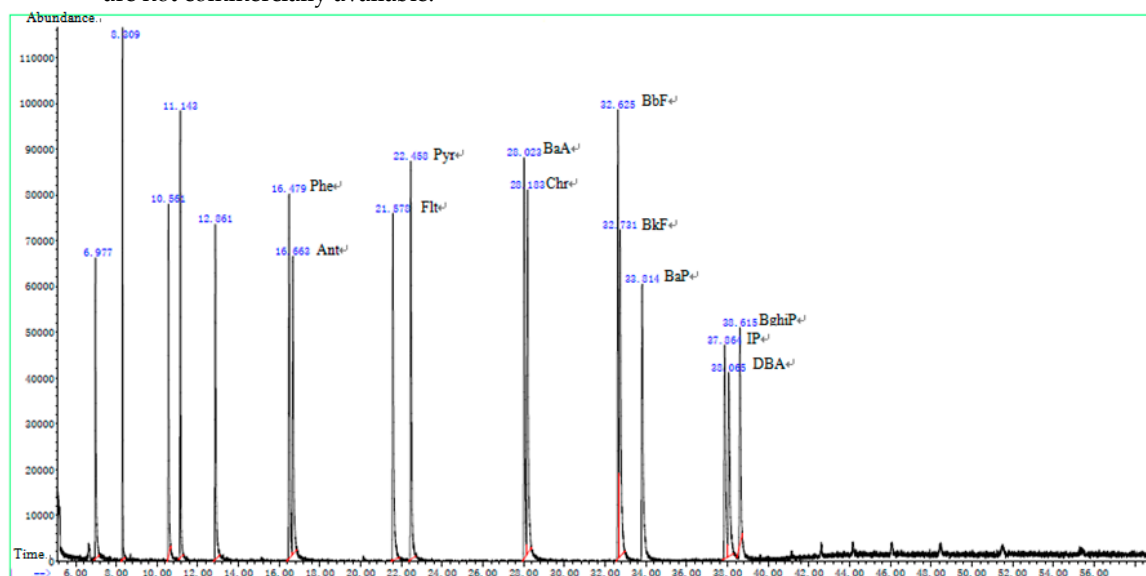


Figure S1. Full chromatogram of PAHs standards (Sigma-Aldrich LLC., Switzerland).

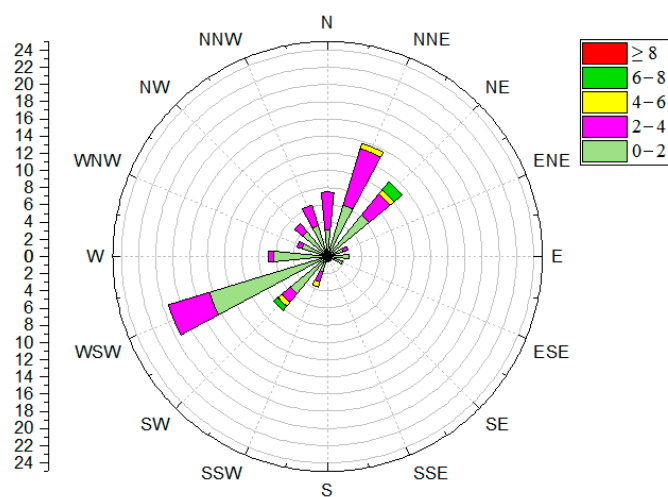


Figure S2. The wind rose diagram in the study area during the monitoring period.