Table 1. Limit of detections (LODs) for the measured species in this study

n-alkanes (abbreviation)	LOD (ng)	PAHs (abbreviation)	Rings	LOD (ng)
heptadecane (C_{17})	0.063	phenanthrene (PHE)	3	0.165
octadecane (C_{18})	0.055	anthracene (ANT)	3	0.115
nonadecane (C_{19})	0.075	fluoranthene (FLU)	4	0.061
icosane (C_{20})	0.074	pyrene (PYR)	4	0.073
heneicosane (C_{21})	0.073	benzo[a]anthracene (BaA)	4	0.025
docosane (C_{22})	0.081	chrysene (CHRY)	4	0.041
tricosane (C_{23})	0.052	benzo[b]fluoranthene (BbF)	5	0.063
tetracosane (C_{24})	0.038	benzo[k]fluoranthene (BkF)	5	0.055
pentacosane (C_{25})	0.033	benzo[a]fluoranthene (BaF)	5	0.059
hexacosane (C_{26})	0.037	benzo[e]pyrene (BeP)	5	0.026
heptacosane (C_{27})	0.032	benzo[a]pyrene (BaP)	5	0.026
octacosane (C_{28})	0.023	perylene (PER)	5	0.026
nonacosane (C_{29})	0.021	indeno[1,2,3-cd]pyrene (IcdP)	6	0.036
triacontane (C_{30})	0.018	dibenzo[a,h]anthracene (DahA)	5	0.034
hentriacotane (C_{31})	0.016	benzo[ghi] perylene (BghiP)	6	0.066
dotriacontane (C_{32})	0.023	coronene (COR)	7	0.165
tritriactotane (C_{33})	0.025	dibenzo[a,e]pyrene (DaeP)	6	0.560
tetratriactoane (C_{34})	0.034			
pentatriacontane (C_{35})	0.032			
hexatriacontane (C_{36})	0.035			
heptatriacontane (C_{37})	0.039			
octatriacontane (C_{38})	0.026			
nonatriacontane (C_{39})	0.033			
tetracontane (C_{40})	0.046			

Table 2 Day/night (D/N) ratios and their standard deviation for the concentrations of PM mass, OC, EC, char, soot in $PM_{2.5}$ and TSP

D/N ratio	PM mass	OC	EC	char	soot
$PM_{2.5}$	1.38±0.45	1.41±0.63	1.13±0.44	1.14±0.68	1.33±0.81
TSP	1.34±0.46	1.57±1.15	1.15±0.55	1.33±1.05	1.40±0.98