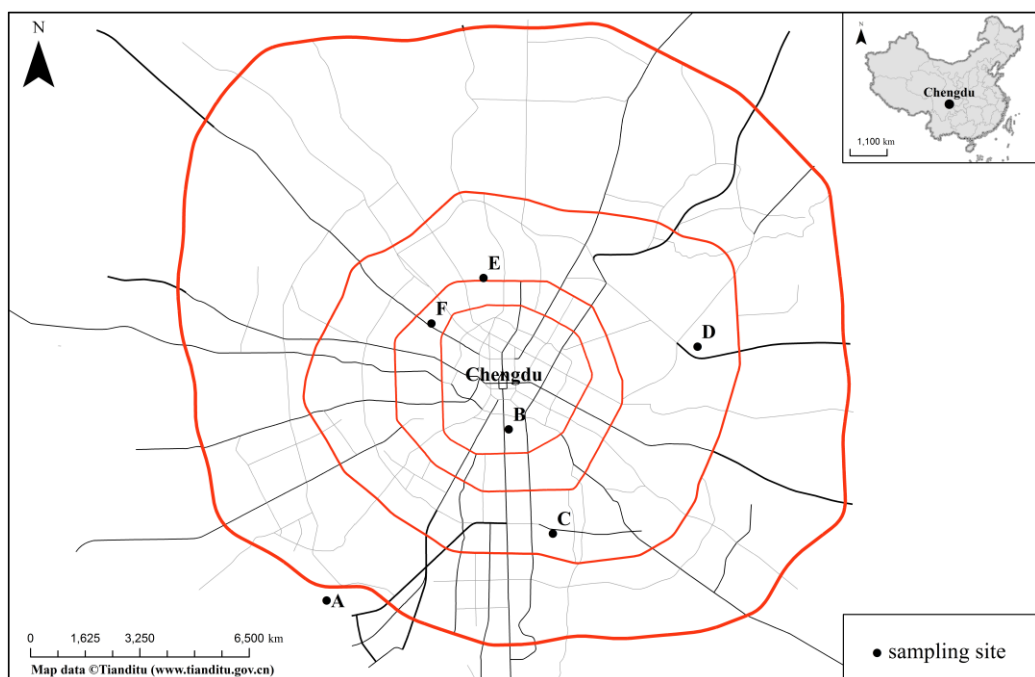


# 1 Supporting Information

2 Table S1 Results of principal component factor load matrix.

OPEs	Factors	
	1	2
TnBP	0.044	0.861
TCEP	0.871	0.230
TCPP	0.785	0.171
TDCPP	0.580	0.246
TPhP	0.250	0.688
TBEP	0.766	0.055
TEHP	0.239	0.765

3



4

5 Fig.S1 Location of sampling sites(©Tianditu; map data provider: [www.tianditu.gov.cn](http://www.tianditu.gov.cn) )

6 ( A,E30°35'2",N103°59'28".

7 B,E30°38'40",N104°3'57".

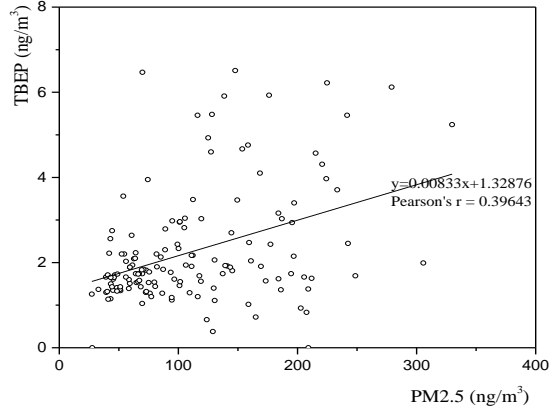
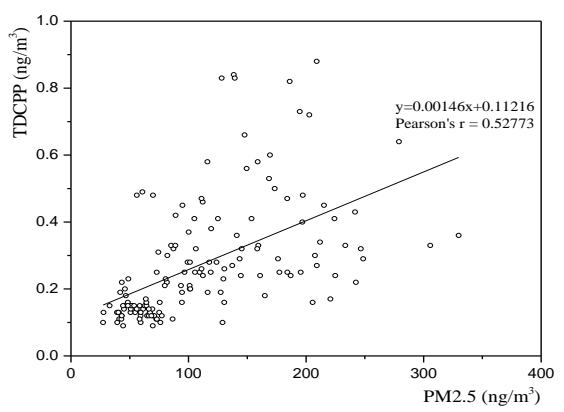
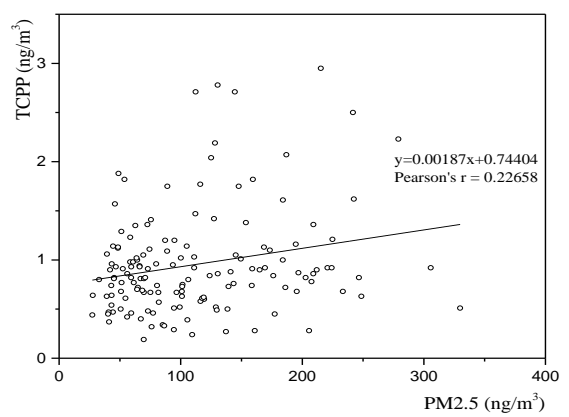
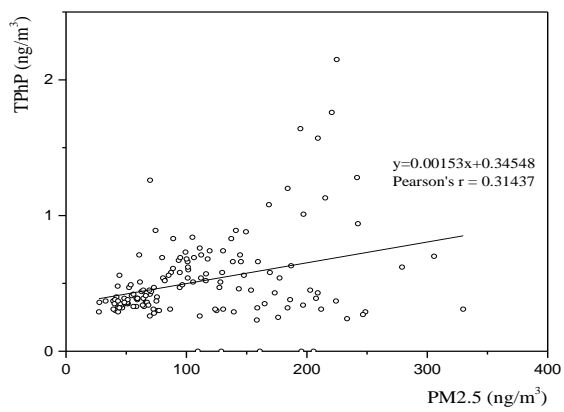
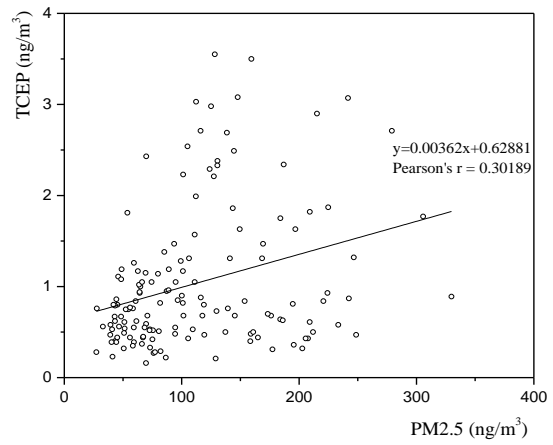
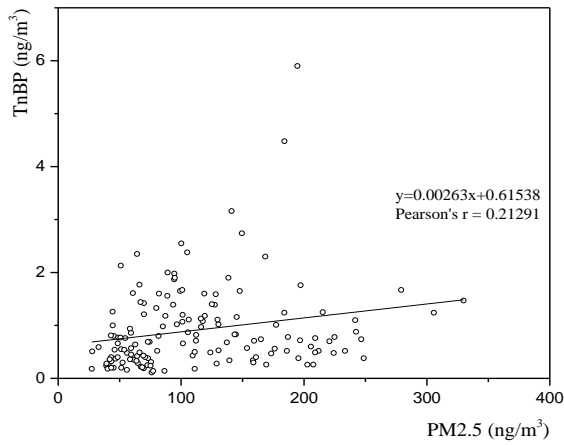
8 C,E30°36'27",N104°5'2".

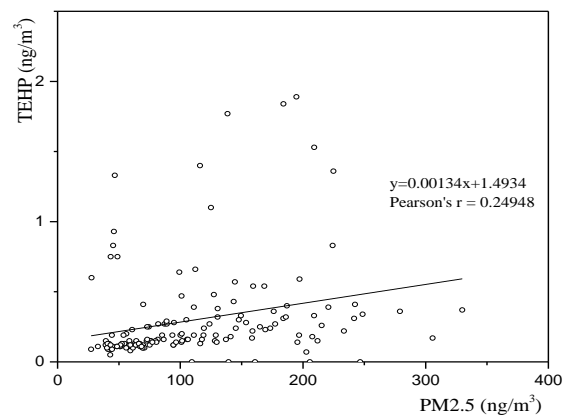
9 D,E30°40'25",104°8'36".

10 E,E30°41'53",104°3'20".

11 F,E30°40'55",104°2'3".)

12





13 Fig.S2 Scatter plot of OPEs and PM<sub>2.5</sub>.