

Supporting Information

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Title: **Particle size-specific distributions and preliminary exposure assessments of organophosphate flame retardants in office air particulate matter**

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Table S1. The LC-ESI⁺-MS/MS detection parameters of 10 studied OPFRs.

Compound	Retention time (min)	Transitions	Collision energy (eV)	LOD (pg/m ³)	Recovery (%)
TCEP	3.32	284.9>99.0	20	0.57	94.9
		284.9>222.9*	12		
TnPP	4.14	225.1>99.0*	16	0.41	85.5
		225.1>141.0	10		
TCPP	4.52	327.0>99.0*	20	0.28	109.0
		327.0>174.9	10		
TDCPP	5.97	430.9>99.0*	25	0.67	100.4
TPhP	6.41	327.0>152.0*	38	0.63	99.7
		327.0>215.0	26		
TnBP	6.51	267.1>98.9*	20	0.88	89.8
		267.1>211.0	8		
TBEP	7.15	399.1>199.0	14	0.12	87.9
		399.1>299.1*	12		
TCrP	7.50	369.0>91.0	36	0.04	97.8
		369.0>165.1*	44		
EHDPP	7.66	385.2>273.0*	12	0.02	104.7
TEHP	8.53	435.2>99.0*	12	0.03	93.8

*: Quantification transition.

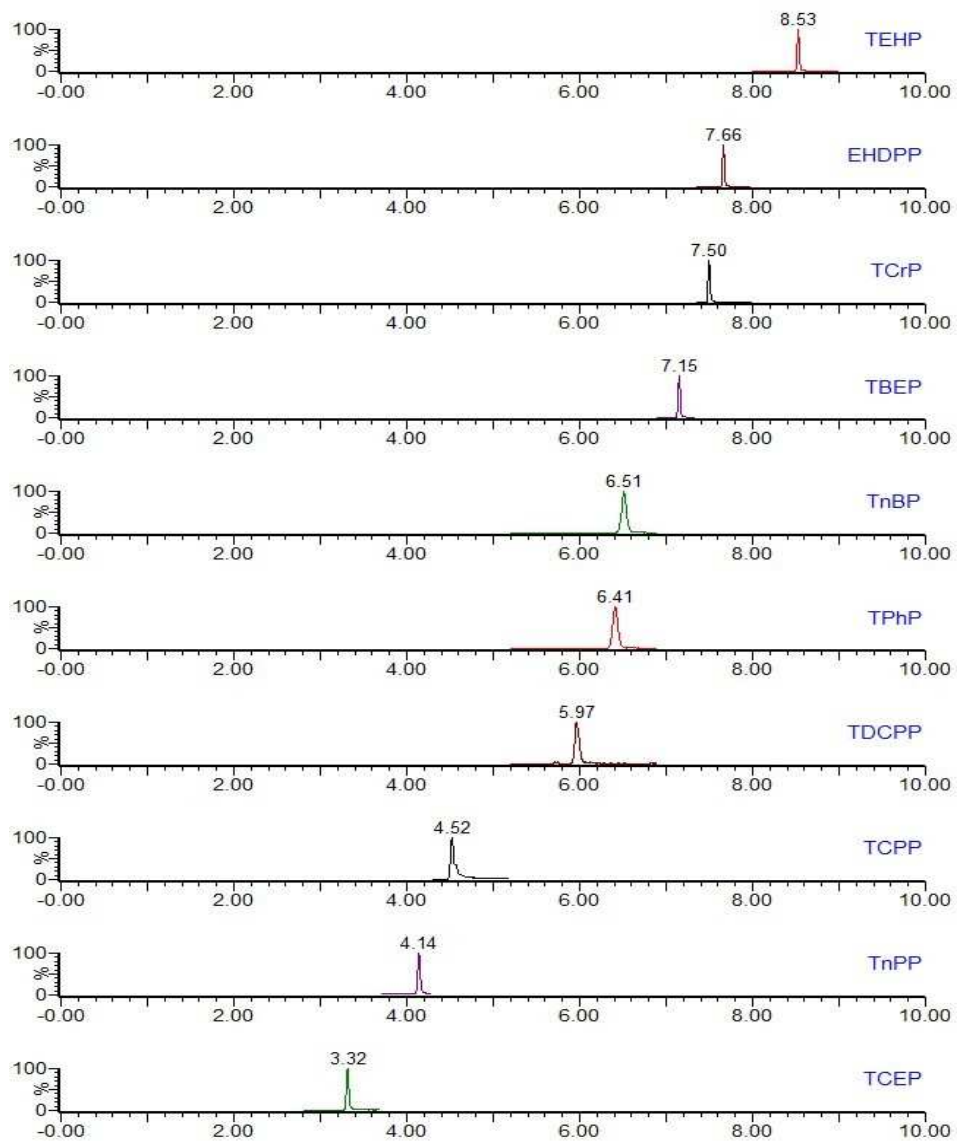


Figure S1. LC-ESI⁺-MS/MS chromatogram of a standard solution of 10 studied OPFRs.

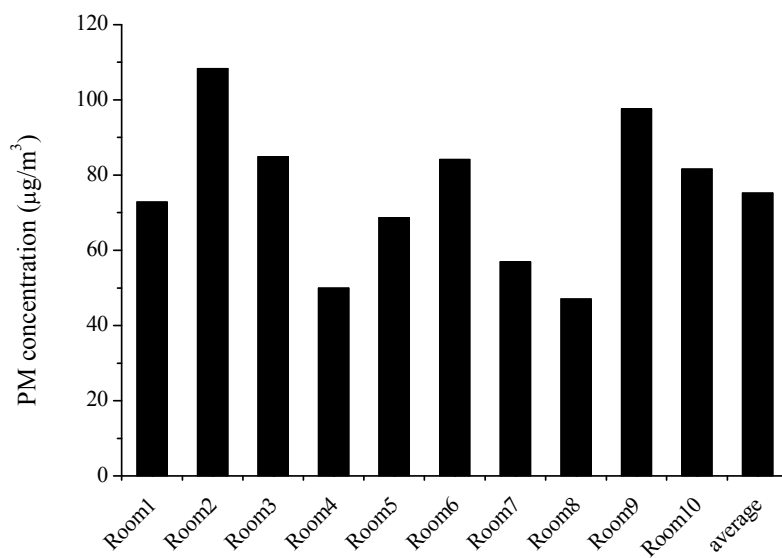


Figure S2. The concentrations of PM in the offices.

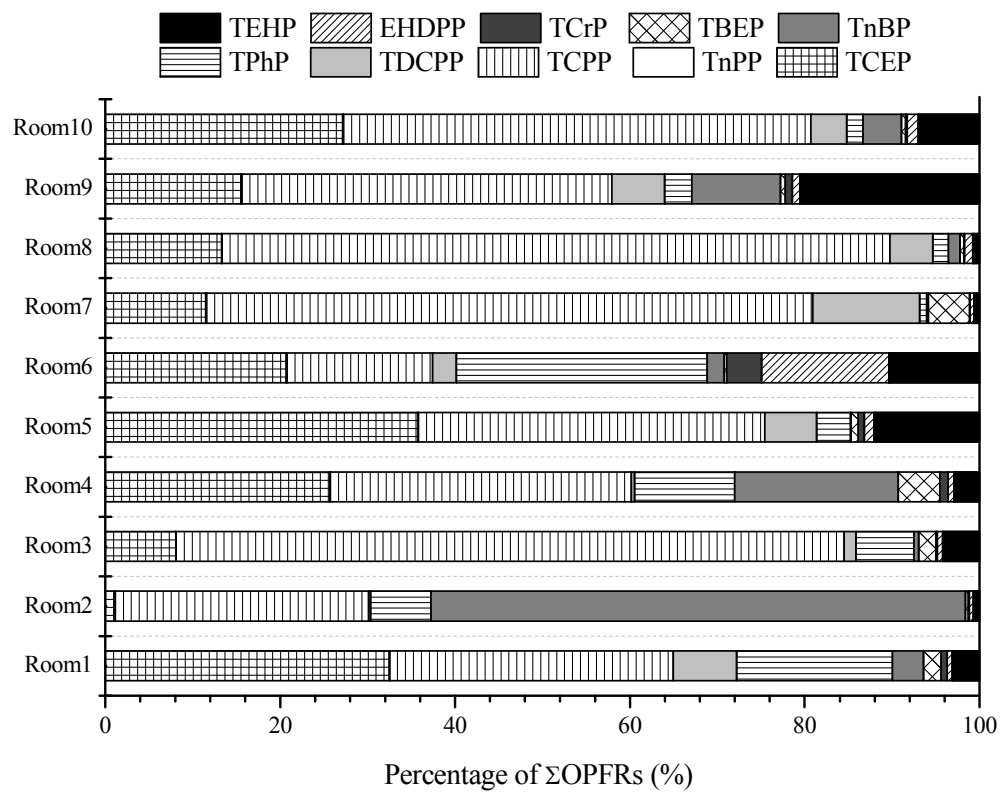


Figure S3. Percentage of each OPFR in total OPFRs in the offices.