

Table S1 Formaldehyde and VOCs concentrations and characters of samples exceeding the China standard in living rooms

Pollutants	Concentrations /mg·m <sup>-3</sup>				Percentage of exceeding times /%			Total exceeding standard rate /%
	Min	Max	Mean	S.D	< 1	1 - 3	> 3	
Formaldehyd	0.06	0.39	0.16	0.07	68.46	16.15	0	84.61
Benzene	0	0.01	8.69E <sup>-4</sup>	1.22E <sup>-3</sup>	0	0	0	0
Toluene	0	0.22	0.02	0.03	0.77	0	0	0.77
Dimethylbenz	0	0.27	0.03	0.04	1.54	0	0	1.54
N-butyl								
Ethylbenzene	1.22E <sup>-3</sup>	0.42	0.04	0.07	6.92	1.54	2.31	10.77
Styrene								
N-undecane								
TVOC	2.00E <sup>-3</sup>	0.69	0.10	0.12	1.54	0	0	1.54

Table S2 Formaldehyde and VOCs concentrations and characters of samples exceeding the China standard in bedrooms

Pollutants	Concentrations /mg·m <sup>-3</sup>				Percentage of exceeding times /%			Total exceeding standard rate /%
	Min	Max	Mean	S.D	< 1	1 - 3	> 3	
Formaldehyd	0.02	0.49	0.17	0.07	58.02	25.60	1.02	84.64
Benzene	0	0.02	9.16E <sup>-4</sup>	1.77E <sup>-3</sup>	0	0	0	0
Toluene	0	0.20	0.02	0.02	0	0	0	0
Dimethylbenz	0	0.33	0.03	0.04	1.36	0	0	1.36
N-butyl								
Ethylbenzene	2.19E <sup>-4</sup>	0.62	0.05	0.09	5.10	3.74	2.04	10.88
Styrene								
N-undecane								
TVOC	1.38E <sup>-3</sup>	0.84	0.09	0.13	1.70	0	0	1.70

Table S3 Formaldehyde and VOCs concentrations and characters of samples exceeding the China standard in other rooms

Pollutants	Concentrations /mg·m <sup>-3</sup>				Percentage of exceeding times /%			Total exceeding standard rate / %
	Min	Max	Mean	S.D	< 1	1 - 3	> 3	
Formaldehyd	0.06	0.30	0.16	0.06	54.76	26.19	0	80.95
Benzene	0	0	7.84E <sup>-4</sup>	1.13E <sup>-3</sup>	0	0	0	0
Toluene	0	0.06	0.02	0.02	0	0	0	0
Dimethylbenz	0	0.14	0.02	0.03	0	0	0	0
N-butyl								
Ethylbenzene	2.19E <sup>-4</sup>	0.28	0.04	0.05	2.38	4.76	0	7.14
Styrene								
N-undecane								
TVOC	1.53E <sup>-3</sup>	0.38	0.08	0.08	0	0	0	0