

Table S6: Targeted screening of the background and environmental aerosol of THS 2.2 under the simulated Residential category III environment (0.5 h⁻¹)

Compound	Filter		Background		THS 2.2		THS 2.2	
	Mean [ng/mL]	SD [ng/mL]	Mean [ng/mL]	SD [ng/mL]	Mean [ng/mL]	SD [ng/mL]	Mean [ng/m ³]	SD [ng/m ³]
1-(1-Oxoheptyl)-2-(3-pyridinyl)-pyrrolidine	nd	nd	nd	nd	nd	nd	nd	nd
13,14-Dihydro-retinol	nd	nd	nd	nd	nd	nd	nd	nd
1-Aminonaphthalene	nd	nd	nd	nd	nd	nd	nd	nd
1-Linolenoylglycerol	nd	nd	nd	nd	nd	nd	nd	nd
2,6-Dimethylaniline	nd	nd	nd	nd	nd	nd	nd	nd
2-Aminonaphthalene	nd	nd	nd	nd	nd	nd	nd	nd
3-Aminobiphenyl	nd	nd	nd	nd	nd	nd	nd	nd
3-Pyridinol	nd	nd	nd	nd	nd	nd	nd	nd
5,6-Dihydropyridin-2(1H)-one	nd	nd	nd	nd	nd	nd	nd	nd
Anabasine	nd	nd	nd	nd	nd	nd	nd	nd
Anatabine	nd	nd	nd	nd	1.70 ²	0.22	16.7 ²	2.2
α -Tocopherol	7.85 ²	0.32	7.87 ²	0.70	47.92 ¹	7.05	391 ¹	69
α -Tocopherolquinone	nd	nd	nd	nd	nd	nd	nd	nd
A α C (2-Amino-9H-pyrido[2,3-b]indole)	nd	nd	nd	nd	nd	nd	nd	nd
Coniferyl alcohol	nd	nd	nd	nd	nd	nd	nd	nd
Cotinine	15.94 ¹	0.76	14.03 ¹	1.51	13.98 ¹	0.70	na ³	na ³
Cotinine-N- β -D-Glucuronide	nd	nd	nd	nd	nd	nd	nd	nd
Harmaline	nd	nd	nd	nd	nd	nd	nd	nd
Myosmine	nd	nd	nd	nd	nd	nd	nd	nd
N'-Acetylanatabine	nd	nd	nd	nd	nd	nd	nd	nd
N'-Carbomethoxyanabasine	nd	nd	nd	nd	nd	nd	nd	nd
N'-formylnornicotine	nd	nd	nd	nd	nd	nd	nd	nd
Nicotine	19.74 ¹	2.95	16.95 ¹	2.56	16.15 ¹	2.73	na ³	na ³
Nicotine-N'-Oxide	nd	nd	nd	nd	nd	nd	nd	nd
Nitrosornicotine (NNN)	nd	nd	nd	nd	nd	nd	nd	nd
N'-Nitrosoanabasine	nd	nd	nd	nd	nd	nd	nd	nd
N'-Nitrosoanatabine	nd	nd	nd	nd	nd	nd	nd	nd
NNK	nd	nd	nd	nd	nd	nd	nd	nd
N'-Octanoylnornicotine	nd	nd	nd	nd	2.93 ¹	0.29	28.7 ¹	2.83
Nornicotine	nd	nd	nd	nd	nd	nd	nd	nd
<i>o</i> -Anisidine	nd	nd	nd	nd	nd	nd	nd	nd
<i>o</i> -Toluidine	nd	nd	nd	nd	nd	nd	nd	nd
Quinoline	nd	nd	nd	nd	nd	nd	nd	nd
Scopoletin	nd	nd	nd	nd	nd	nd	nd	nd

Compound	Filter		Background		THS 2.2		THS 2.2	
	Mean [ng/mL]	SD [ng/mL]	Mean [ng/mL]	SD [ng/mL]	Mean [ng/mL]	SD [ng/mL]	Mean [ng/m ³]	SD [ng/m ³]
Triacetin	nd	nd	nd	nd	nd	nd	nd	nd
β-Nicotyrine	nd	nd	nd	nd	nd	nd	nd	nd

¹ Below LLOQ; ² Below LOD ; ³ Levels in never used PTFE-filters, background and THS samples are the same.

Note: details on the conversion are presented in Supplementary Table S6a-e.