

# Supplementary Materials: A Year-long Measurement and Source Contributions of Volatile Organic Compounds in a Less-developed City of China

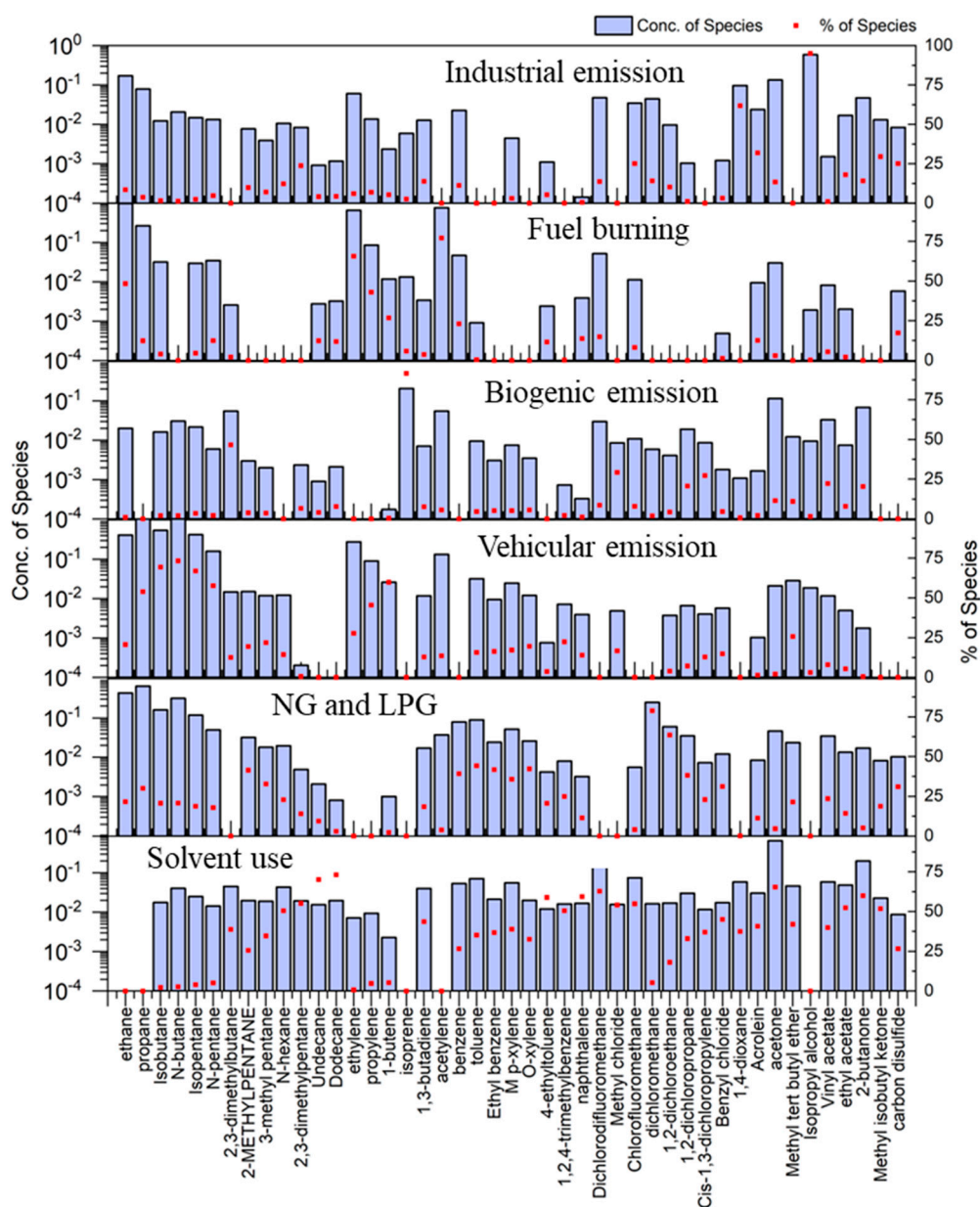
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**Table S1.** The average concentration and standard deviation of each species.

NO.	Species	Mean±SD(ppb)
1	Propane	3.750±3.580
2	Ethane	3.156±1.963
3	Ethanol	2.840±7.098
4	Butane	2.102±1.760
5	Acetone	1.715±1.436
6	Ethylene	1.450±0.900
7	Acetylene	1.383±0.784
8	Isobutane	1.119±0.960
9	Isopentane	0.925±0.617
10	Isopropyl Alcohol	0.742±0.946
11	Methylene dichloride	0.608±0.639
12	Dichlorodifluoromethane	0.510±0.249
13	2-Butanone	0.421±0.265
14	Pentane	0.381±0.232
15	Benzene	0.377±0.273
16	Toluene	0.356±0.321
17	M/p-Xylene	0.333±0.311
18	Propene	0.282±0.183
19	2-Propenal	0.189±0.292
20	Isoprene	0.189±0.183
21	Trichloromonofluoromethane	0.181±0.054
22	1,2-dichloroethane	0.179±0.170
23	methyl tert-butyl ether	0.179±0.235
24	ethenyl ethanoate	0.173±0.113
25	1,4-Dioxane	0.148±0.170
26	1,2-Dichloropropane	0.123±0.083
27	2,3-Dimethylbutane	0.123±0.115
28	1,3-Butadiene	0.121±0.058
29	o-Xylene	0.119±0.153
30	Ethyl Acetate	0.118±0.074
31	Ethylbenzene	0.114±0.204
32	n-Hexane	0.108±0.083

33	2-Methylpentan	0.104±0.094
34	2-Methylhexane	0.093±0.128
35	2,3-Dimethylpentane	0.081±0.091
36	3-Methylpentane	0.068±0.048
37	Methyl Isobutyl Ketone	0.060±0.141
38	Naphthalene	0.057±0.064
39	Benzyl chloride	0.057±0.051
40	Carbon Tetrachloride	0.056±0.016
41	1-Butene	0.056±0.039
42	Trichloromethane	0.055±0.054
43	Carbon disulfide	0.055±0.055
44	1,2,4-Trimethylbenzene	0.050±0.049
45	Cyclohexane	0.042±0.049
46	Methylcyclopentane	0.040±0.040
47	(Z)-2-Butene	0.040±0.040
48	1,1,2-Trichlorotrifluoroethane	0.040±0.039
49	Dodecane	0.036±0.035
50	(Z)-1,3-dichloropropene	0.034±0.033
51	1-hexene	0.033±0.032
52	1-ethyl-3-methyl-Benzene	0.029±0.028
53	Cyclopentane	0.029±0.029
54	4-Ethyltoluene	0.028±0.027
55	Styrene	0.028±0.027
56	2,4-Dimethylpentane	0.028±0.028
57	n-Hendecane	0.027±0.026
58	Chloromethane	0.026±0.026
59	(E)-2-Butene	0.026±0.026
60	(E)- 2-Pentene	0.024±0.024
61	2,2,4-Trimethylpentane	0.023±0.022
62	2-Hexanone	0.023±0.022
63	3-Methylhexane	0.022±0.021
64	1-Pentene	0.022±0.022
65	Tetrahydrofuran	0.020±0.020
66	Heptane	0.020±0.019
67	Decylcyclohexane	0.019±0.018
68	1,3,5-Trimethylbenzene	0.018±0.018
69	n-propylbenzene	0.017±0.017
70	Chloroethylene	0.017±0.017
71	Chlorobenzene	0.017±0.017
72	1-ethyl-2-methyl-Benzene	0.017±0.016
73	1,4-diethylbenzene	0.016±0.015
74	Chloroethane	0.016±0.016

75	(Z)-2-Pentene	0.016±0.016
76	1,2,3-trimethylbenzene	0.016±0.016
77	1,3-diethylbenzene	0.015±0.014
78	Nonane	0.015±0.014
79	1,2-difluorotetrachloroethane	0.014±0.013
80	1,2,4-trichlorobenzene	0.014±0.013
81	2,2-dimethylbutane	0.013±0.012
82	Methylcyclohexane	0.013±0.013
83	Methylmethacrylate	0.013±0.013
84	1,1-dichloroethane	0.012±0.012
85	trans-1,3-Dichloropropene	0.012±0.011
86	Octane	0.012±0.011
87	(Z)-1,2-Dichloroethene	0.011±0.010
88	Bromomethane	0.010±0.010
89	3 - methylheptane	0.010±0.010
90	2 - methylheptane	0.010±0.010
91	Tetrachloroethylene	0.010±0.009
92	1,4-dichlorobenzene	0.009±0.009
93	1,3-dichlorobenzene	0.009±0.009
94	Isopropylbenzene	0.008±0.007
95	2,3,4-trimethylpentane	0.007±0.006
96	Hexachlorobutadiene	0.006±0.005
97	1,2-dichlorobenzene	0.006±0.005
98	1,1,2,2-tetrachloroethane	0.003±0.002
99	1,1,2-trichloroethane	0.003±0.002
100	Trichloroethylene	0.003±0.003
101	1,1-dichloroethylene	0.003±0.003
102	Bromodichloromethane	0.002±0.001
103	Dibromochloromethane	0.002±0.001
104	Tribromomethane	0.002±0.002
105	trans-1,2-Dichloroethylene	0.002±0.001
106	1,2-dibromoethane	0.001±0.001
107	1,1,1-trichloroethane	0.001±0.001



**Figure S1.** Concentration profiles and composition profiles of the six factors resolved from the PMF model.