

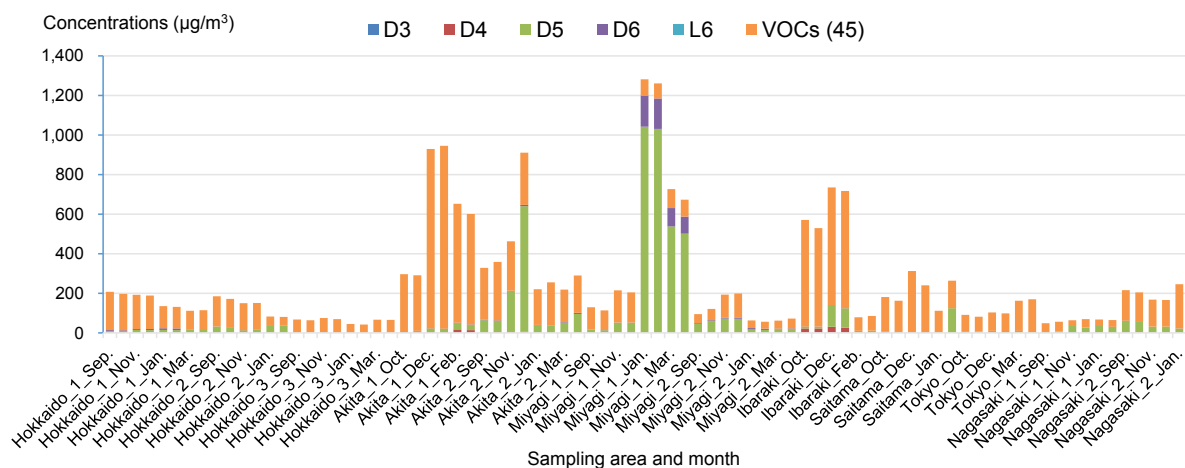






**Table 4.** Concentrations of volatile methylsiloxanes in indoor air in different sampling times.

Flow rate (mL/min)	Sampling time	Sampling volume (L)	Quantity (ng)					Concentration ( $\mu\text{g}/\text{m}^3$ )				
			D3	D4	D5	D6	L6	D3	D4	D5	D6	L6
100	30 min	2.98	<1.0	1.68	6.28	1.21	<1.0	<0.33	0.56	2.11	0.41	<0.33
2	24 hr	2.879	<1.0	1.32	3.12	<1.0	<1.0	<0.33	0.46	1.09	<0.33	<0.33



**Figure 1.** Concentrations of volatile methylsiloxanes and 45 volatile organic compounds (VOCs) in indoor air from Japanese residential houses ( $\mu\text{g}/\text{m}^3$ ).

**Table 5.** Concentrations of volatile methylsiloxanes (VMS) and 45 volatile organic compounds (VOCs) ( $\mu\text{g}/\text{m}^3$ ), composition rates and sample conditions in indoor air from Japanese residential houses.\*

Compounds	Mean	Median	Minimum	Maximum	Standard deviation
D3	1.2	1.1	<0.33	4.3	1.1
D4	2.2	0.45	<0.33	30	5.6
D5	72	18	0.60	1,042	186
D6	7.5	0.54	<0.33	158	27
L6	0.022	<0.33	<0.33	0.77	0.12
VMS (5 compounds)	83	23	0.60	1,201	212
VOCs (45 compounds)	176	128	28	924	179
TVOC (50 compounds)	258	170	42	1,283	271
The rate of VMS per TVOC (%)	22	15	1.1	94	22
Temperature ( $^{\circ}\text{C}$ )	22	23	15	30	3.4
Relative humidity (%)	47	47	20	81	15

\* 12 places, a total of 41 houses and 82 samples.

**Table 6.** Daily exposure rates of volatile methylsiloxanes in indoor air from Japanese residential houses ( $\mu\text{g}/\text{kg}$  body weight per day).\*

Compounds	Mean	Median	Minimum	Maximum	Standard deviation
D3	0.28	0.26	0	0.97	0.26
D4	0.50	0.10	0	6.8	1.3
D5	16	4.1	0.14	238	43
D6	1.7	0.12	0	36	6.3
L6	0.0050	0	0	0.18	0.027
VMS (5 compounds)	19	5.3	0.14	274	48

\* 12 places, a total of 41 houses and 82 samples.