

Supplementary Information

Determination and quantification of acetaldehyde, acetone and methanol in Hand sanitizers using Headspace GC-MS: Effect of storage time and temperature.

Chessa To and Jacob A. Theruvathu*

Table S1: GC-MS analysis of active ingredients and impurities possibly found in commercial hand sanitizers.

Compound	Retention time (min)	Maor ion (m/z)	Other ions (m/z)
Methanol	4.66	31	32
Methanol-d4	4.581	33	34, 35
Ethanol	5.358	31	45, 46, 43
Ethanol-d6	5.246	33	49, 51, 34
Isopropanol	5.262	45	43, 41, 39
Isopropanol-d8	5.132	49	46, 50
N-propanol	7.220	31	59, 42, 60
Acetaldehyde	2.197	44	43, 42, 45
Acetaldehyde-d4	2.197	48	46, 44

*Main ion fragments account for 100% in relative abundance. Other ion fragments were arranged in descending relative abundance.