

Table S1. Daytime and nighttime averaged and SD of selected VOCs from measurement at Mount Tai. Units are all in pptv.

	Average (day)	SD	Average (night)	SD
Ethane	2550	697	1655	805
Propane	679	323	321	181
i-Butane	171	86	85	55
n-Butane	232	141	91	57
i-Pentane	191	91	77	63
n-Pentane	94	53	41	26
Ethene	1050	703	712	840
Propene	119	45	64	21
Acetylene	1746	920	924	1016
Benzene	697	323	361	376
Toluene	225	115	103	124
Isoprene	207	184	4	9