



Figure S1. Schematic diagram of the VOC fumigation and measurement system

Table S1. aldehydes and ketones used in the experiments

Compound name	abbreviation	Molecular weight	Rational Formula	Henry constant (mol/kg*bar)	Concentration range (ppbv)
Methacrolein	MACR	70	$\text{CH}_2=\text{C}(\text{CH}_3)\text{CHO}$	6.5 ^a	10–14
Methyl vinyl ketone	MVK	70	$\text{CH}_2=\text{CH}(\text{CH}_3)\text{CO}$	41 ^a	1.4–40
Methyl ethyl ketone	MEK	72	$\text{CH}_3\text{CH}_2(\text{CH}_3)\text{CO}$	20 ^b	8–11

a: Iraci et al. (1999), b:NIST Chemistry WebBook

References

- Iraci, L.; Baker, B.; Tyndall, G.; Orlando, J. Measurements of the Henry's Law Coefficients of 2-Methyl-3-buten-2-ol, Methacrolein, and Methylvinyl Ketone. *J. Atmos. Chem.* **1999**, *33*, 321-330.
- NIST Chemistry WebBook. Available online: <https://webbook.nist.gov/chemistry/> (accessed on 28 6 2020).