

Experiment	Precursor	Nominal VOC mass [nmol mol <sup>-1</sup> ]	Initial conditions after injection				
			NO <sub>x</sub> [nmol mol <sup>-1</sup> ]	O <sub>3</sub> [nmol mol <sup>-1</sup> ]	VOC / NO <sub>x</sub>	Conc <sub>CPC</sub> [cm <sup>-3</sup> ]	Mass <sub>DMPS</sub> [μg m <sup>-3</sup> ]
Exp 1	Clean	–	–	–	–	< 1	–
Exp 2	Ammonium sulfate	for 60 s	9.8	1.2	–	8477/4288	0.82
Exp 3	SOA background	–	50.3	5.8	–	1.9	7.8 × 10 <sup>-5</sup>
Exp 4	α-Pinene	250	38.9	10.3	6.4	25 173	16.2
Exp 5	SOA background	–	43.2	13.8	–	3087	0.03
Exp 6	Heptadecane	500	32.9	32.1	15.2	4289	4.2
Exp 7	TMB	500	55.0	21.7	9.1	4595	0.51
Exp 8	α-Pinene	100	24.0	1.7	4.2	9990	4.3
Exp 9	Ammonium sulfate	for 30 s	5.4	0.1	–	4824	0.72
Exp 10	Heptadecane	500	38.8	16.2	12.9	6035	2.2
Exp 11	Dust (kaolinite)			Not filled via MAC			