

Experiment no.	VOC	NO ^a	NO ₂ ^a	Cl ₂ ^a	RH	SOA	$Y_{\text{SOA}}^{\text{b}}$	f_{44}^{c}	f_{57}^{d}	$f_{\text{HCl}+}^{\text{e}}$	O ₃ ^f
1	Octane	35	2	40	5 >	19.5	0.28	$1.1 E^{-1}$	$1.4 E^{-2}$	1.1 to 1.3 E^{-2}	56
2	Octane	1	36	40	5 >	11.0	0.16	$1.0 E^{-1}$	$1.6 E^{-2}$	0.7 to 1.1 E^{-2}	69
3	Octane	17	19	40	5 >	16.6	0.24	$1.5 E^{-1}$	$1.1 E^{-2}$	0.8 to 1.0 E^{-2}	56
4	Octane	17	19	40	35	16.8	0.24	$1.0 E^{-1}$	$1.3 E^{-2}$	1.1 to 1.4 E^{-2}	60
5	Decane	32	0	40	5 >	68.3	0.84	$1.0 E^{-1}$	$1.6 E^{-2}$	0.7 to 1.1 E^{-2}	53
6	Decane	0	34	40	5 >	43.1	0.45	$7.3 E^{-2}$	$1.7 E^{-2}$	0.9 to 1.0 E^{-2}	61
7	Decane	19	18	40	5 >	64.7	0.80	$1.3 E^{-1}$	$1.6 E^{-2}$	0.9 to 1.2 E^{-2}	51
8	Decane	19	17	40	40	40.7	0.50	$8.2 E^{-2}$	$1.7 E^{-2}$	0.7 to 1.2 E^{-2}	57
9	Dodecane	35	1	40	5 >	148.6	1.65	$2.1 E^{-1}$	$1.5 E^{-2}$	0.6 to 0.8 E^{-2}	42
10	Dodecane	0	34	40	5 >	112.8	1.25	$6.3 E^{-2}$	$2.5 E^{-2}$	0.8 to 1.4 E^{-2}	54
11	Dodecane	17	18	40	5 >	126.4	1.40	$6.8 E^{-2}$	$2.4 E^{-2}$	0.9 to 1.4 E^{-2}	46
12	Dodecane	20	17	40	67	98.8	1.10	$7.2 E^{-2}$	$2.5 E^{-2}$	0.7 to 1.1 E^{-2}	62