

Modeled Concentrations, molecules cm⁻³

Species	Initial	Average	Final
O3	1.90E+12	6.01E+12	5.45E+12
HO2	0	5.31E+08	4.78E+07
H2O2	0	4.27E+11	6.21E+11
NO	0	6.36E+09	2.92E+06
NO2	1.50E+12	1.39E+11	7.40E+09
NO3	0	7.91E+08	1.14E+09
HNO2	0	8.66E+07	6.59E+05
HNO3	0	7.85E+11	9.82E+11
HNO4	0	1.04E+09	1.06E+07
peroxy radicals	0	9.93E+08	4.84E+08
CH3(OO.)	0	3.34E+08	2.54E+08
CH3CH(OO.)CH3	0	1.32E+08	3.33E+07
CH3CH2(OO.)	0	8.96E+07	5.23E+07
CH3CH2CH(OO.)CH3	0	8.16E+07	2.56E+07
CH3CH(CH3)C(OO.)(CH3)CH3	0	4.59E+07	8.99E+06
acyl peroxy radicals	0	1.81E+08	1.27E+08
CH3CO(OO.)	0	1.14E+08	9.29E+07
CH3CH2CO(OO.)	0	1.54E+07	1.07E+07
CH3COCdH=CdHCO(OO.)	0	8.21E+06	1.53E+06
CHOCdH=CdHCO(OO.)	0	7.84E+06	2.16E+06
CH3COCO(OO.)	0	6.92E+06	1.77E+06
ketones	0	1.61E+12	2.27E+12
CH3COCH3	0	1.16E+12	1.64E+12
CH3CH2COCH3	0	2.49E+11	3.57E+11
CH2(OH)CH2CH2COCH3	0	3.54E+10	4.63E+10
CH3CH2COCH2CH3	0	2.20E+10	3.38E+10
C6H3CH3,(H)(OH),(=O)	0	1.60E+10	3.73E+10
aldehydes	7.60E+11	4.55E+11	2.79E+11
CH2O	7.60E+11	2.21E+11	1.06E+11

CH3CHO	0	1.03E+11	8.99E+10
CH3CH2CHO	0	2.23E+10	2.00E+10
CO(OONO2)CdH=CdHCHO	0	1.24E+10	1.03E+09
CH2(OH)CHO	0	1.06E+10	5.19E+09
organic peroxides	0	5.34E+11	7.79E+11
CH3(OOH)	0	1.15E+11	1.96E+11
CH3CH(OOH)CH3	0	8.29E+10	1.21E+11
CH3CH2CH(OOH)CH3	0	5.07E+10	6.78E+10
CH3CH2(OOH)	0	4.43E+10	6.55E+10
CH3CH(CH3)C(OOH)(CH3)CH3	0	3.91E+10	4.55E+10
organic peroxy acids	0	1.59E+11	1.97E+11
CH3CO(OOH)	0	9.42E+10	1.29E+11
CH3CH2CO(OOH)	0	1.24E+10	1.59E+10
CHO(OOH)	0	1.13E+10	1.09E+10
CH3COCdH=CdHCO(OOH)	0	7.64E+09	4.82E+09
CO(OOH)CdH=CdHCHO	0	7.01E+09	5.46E+09
organic acids	0	1.70E+11	2.86E+11
CHO(OH)	0	7.25E+10	8.91E+10
CH3CO(OH)	0	5.55E+10	1.18E+11
CH3CH2CO(OH)	0	1.02E+10	2.05E+10
CO(OH)CO(NO2)	0	2.17E+09	2.37E+09
C6H5CO(OH)	0	2.17E+09	5.15E+09
alcohols	0	1.04E+10	2.32E+10
CH3(OH)	0	7.59E+09	1.90E+10
CH3CH2(OH)	0	6.26E+08	1.36E+09
C6H5(OH)	0	3.85E+08	2.17E+05
CH3CH2CH2(OH)	0	2.92E+08	6.38E+08
C6H4CH3,OH	0	2.19E+08	2.04E+04
aromatics	6.77E+11	3.54E+11	2.93E+11
C6H5CH3	4.00E+11	1.21E+11	3.19E+10
C6H6	8.70E+10	6.63E+10	5.35E+10
C6H2CH3,OH,NO2,,NO2	0	2.54E+10	3.40E+10

C6H3CH3,(H)OH,(H)OOH	0	2.04E+10	2.17E+10
C6H3OH,NO2,,NO2	0	2.00E+10	4.02E+10
organic nitrates	0	2.11E+11	2.65E+11
CH3CH(CH3)C(ONO2)(CH3)CH3	0	4.58E+10	5.66E+10
CH3CH2CH(ONO2)CH3	0	2.41E+10	2.68E+10
CH3(ONO2)	0	2.30E+10	3.73E+10
CH3CH(ONO2)CH3	0	2.28E+10	2.69E+10
CH3C(ONO2)(CH3)CH3	0	1.08E+10	1.48E+10
peroxy acyl nitrates	0	2.32E+11	6.35E+10
CH3CO(OONO2)	0	1.30E+11	4.02E+10
CH3CH2CO(OONO2)	0	1.98E+10	4.97E+09
CH3COCdH=CdHCO(OONO2)	0	1.46E+10	7.47E+08
CO(OONO2)CdH=CdHCHO	0	1.24E+10	1.03E+09
CH3COCO(OONO2)	0	9.89E+09	8.68E+08