



Supplement of

Measurement report: Variability in the composition of biogenic volatile organic compounds in a Southeastern US forest and their role in atmospheric reactivity

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Table S1. Composition and pure concentration of the multi-component calibrant

Compound	Concentration (ppbv)
Pentane	15.40
Isoprene	40.30
Methyl Vinyl Ketone	17.50
Hexane	9.96
Benzene	15.00
α -Pinene	17.60
1,3,5-Trimethylbenzene	12.40
Limonene	8.30
Nopinone	8.92
α -Cedrene	4.35
α -Humulene	4.40

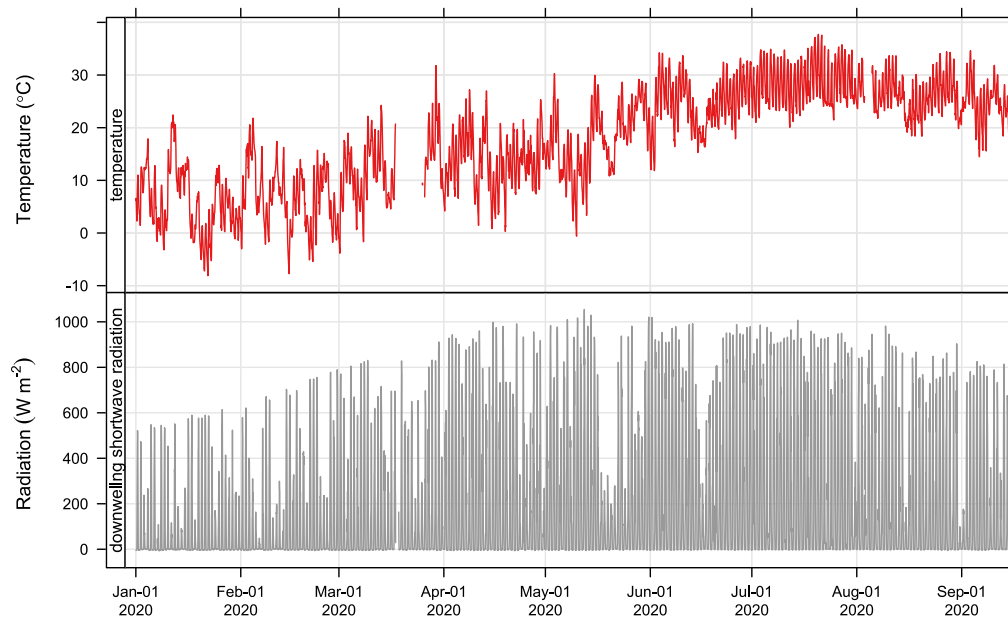


Figure S1. Ambient temperature ($^{\circ}C$) and downwelling shortwave radiation ($W m^{-2}$) for January 2020 – September 15th, 2020.

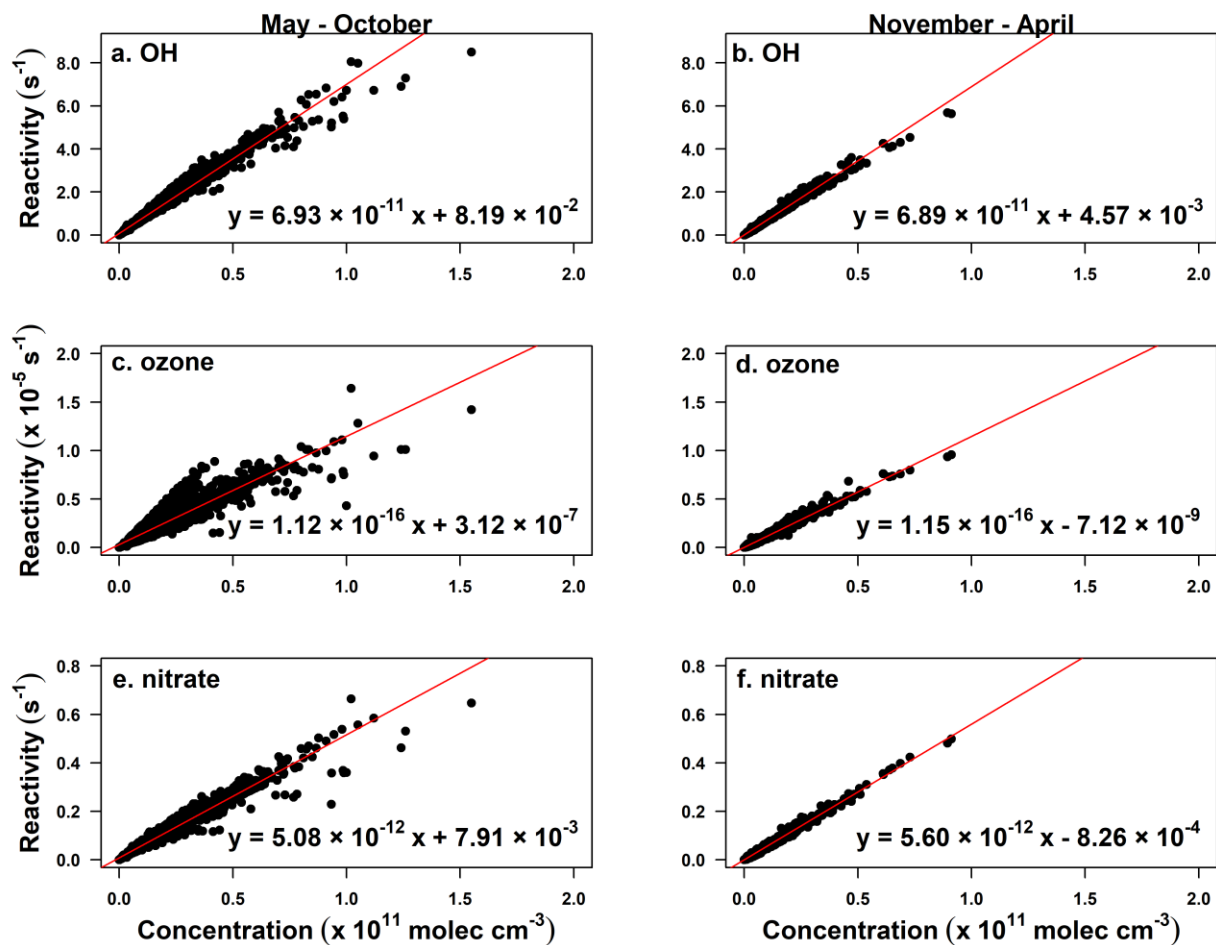


Figure S2. Concentration plotted against reactivity to yield the rate constant for OH (a-b), Ozone (c-d), nitrate (e-f) in the growing and non-growing season. The slope in each equation is the average reaction rate of each oxidant with total monoterpenes.