Supporting Information:

Excitation-emission spectra and fluorescence quantum yields for fresh and aged biogenic secondary organic aerosols

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Figure S1.
(a) Absorption spectra of solutions of QS (quinine sulfate or (C_{20}H_{24}N_{2}O_{2})_{2}H_{2}SO_{4}H_{2}O) recorded at mass concentrations of 10, 25, 50 and 100 ppm. These solutions were too concentrated for the fluorescence measurements; they were used to measure the absorption coefficient for QS needed for the quantum yield measurements.

(b) Calibration of the measured base-10 absorbance vs. QS mass concentration in ppm. The QS concentration used in the fluorescence measurements was 0.1 ppm; the corresponding absorption coefficient calculated from the linear fit is 0.00155 cm^{-1} at the peak of the QS absorption spectrum (349 nm).