Supplement of

Photooxidation of cyclohexene in the presence of SO₂: SOA yield and chemical composition

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Figure S1: Typical profiles of the gas and particle phases (SOA) in the experiments.
Figure S2: The maximum particle number concentrations and the particle number concentrations at the maximum SOA yield particle number concentrations for cyclohexene/NOx/SO2 system at different initial SO2 concentrations.
Figure S3: Changes of SOA mass concentrations with time for two different initial SO$_2$ concentration, 0 and 41 ppb.
Figure S4: The change of the two peaks at 1195 and 1040 cm$^{-1}$ at different initial SO$_2$ concentrations.
Figure S5: Change of cyclohexene concentration with time at different initial SO$_2$ concentrations. The inner plot shows the amount of consumed cyclohexene with time.
Figure S6: Comparison of SOA Exactive-Orbitrap MS spectra with different initial SO$_2$ concentrations.