

Process	Effect on determined SOA yield
Organic nitrate aerosol loses NO_3 functional group	Larger, because the non-nitrate OA would not be counted in this analysis
Both double bonds in isoprene are oxidized by NO_3 : two nitrates per condensing molecule	Smaller, because the assumed organic to nitrate mass ratio assumes one nitrate per molecule
NO_3 oxidizes daytime isoprene oxidation products (e.g., ISOPOOH) to make new aerosol	Smaller, because this would produce organic nitrate aerosol without corresponding decrease in isoprene, so that some of existing SOA production is misattributed to isoprene + NO_3
Assumed organic to nitrate mass ratio is incorrect	Unknown direction of effect, depends on whether assumed ratio is high or low
Daytime-produced IEPOX uptake onto acidic particles	No effect (only changes ΔOA , not nitrate)
Suppression of O_3 + monoterpene or O_3 + isoprene SOA in plumes	No effect (only changes ΔOA , not nitrate)