

Correction to our Response to Interactive comment by H. O. T. Pye on “Simulating Secondary Organic Aerosol in a Regional Air Quality Model Using the Statistical Oxidation Model: 2. Assessing the Influence of Vapor Wall Losses” by C. D. Cappa et al.

An incorrect equation for converting from secondary organic aerosol (SOA) to secondary organic carbon (SOC) mass concentrations was previously given. The correct equation is:

$$C_{SOC} = C_{SOA} \cdot \frac{N_C \cdot MW_C}{MW_{SOA}} = \frac{N_C \cdot MW_C}{N_C \cdot MW_C + N_O \cdot MW_O + N_H \cdot MW_H} = \frac{C_{SOA}}{\frac{4}{3}(O:C) + \frac{1}{12}(H:C) + 1}$$

where MW_C , MW_O , MW_H are the molecular weights and N_C , N_O , and N_H the number of carbon, oxygen and hydrogen atoms, respectively. This makes no difference to the conclusions reached.