

Author's Response

Technical corrections:

- The equations for rho and beta after Equation 6 should be also numbered; the numbering of the subsequent equations should be adjusted accordingly.

The equation numbering is modified as suggested by the handling editor.

- Figure 9: Spell out 'num. of meas.' . There is enough space to have the legend in two lines if needed

num. of meas. in all the figures (fig. 3, 5, 9 and 11) has been spell out as suggested by the handling editor.

- Table 2: Make sure that the Table is separated by a line break from the rest of the text. The first column seems redundant since this information is included in the Table caption. As an alternative you may want to consider adding the resulting linear equations to the panels in Figure 10 and skip the table, e.g.

$$RO_{2,m} = 5 + 0.71 RO_{2,c} \quad (R^2 = 0.96)$$

The table 2 is now removed and the fit parameters are now given in Figure 10 and 12a as suggested by the handling editor.

I. 465 & I. 605: 'with higher organic group' is not clear. Please specify what you mean by 'higher' (larger than CH₃?)

The text has been modified as (now line 466 and 607):

“RO₂ with organic group larger than CH₃.”

I. 467: ...which is not included ... (replace 'are' by 'is')

Text modified as suggested by the handling editor (now line 468).

I. 604: '...is also included' (replace 'are' by 'is')

Text modified as suggested by the handling editor (now line 606).