Additions and Corrections

2006, Volume 40, Pages 350–356

Li Ding, Benito J. Marinas,* Lance C. Schideman, Vernon L. Snoeyink, and Qilin Li: Competitive Effects of Natural Organic Matter: Parametrization and Verification of the Three-Component Adsorption Model COMPSORB

1. Page 352, Table 2. In the calculation of q_{cr} for Norit SA UF carbon and CWW water, the $D_{s,0}$ value (1.70×10^{-10} cm^2/min) used in $D_s/D_{s,0}$ was mistakenly an order of magnitude higher than the correct $D_{s,0}$ value (1.70×10^{-11} cm^2/min) listed in the table. As a result the q_{cr} value (79.9 mg/g) listed in footnote *a* of Table 2 is incorrect. The correct q_{cr} value is 122 mg/g.

2. Page 354, Figure 6. Use of the incorrect $D_{s,0}$ value also resulted in the data and fitting line for SA UF carbon and CWW water being erroneously shifted down 1 order of magnitude. The correct plot is shown in revised Figure 6 above.

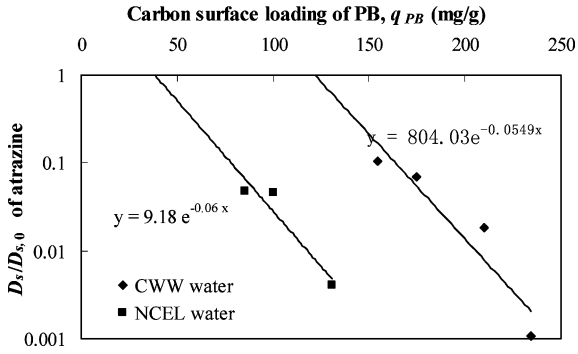

FIGURE 6. Surface diffusion coefficients for atrazine vs carbon surface loading of the PB fraction from CWW water and NCEL water for Norit SA UF carbons.

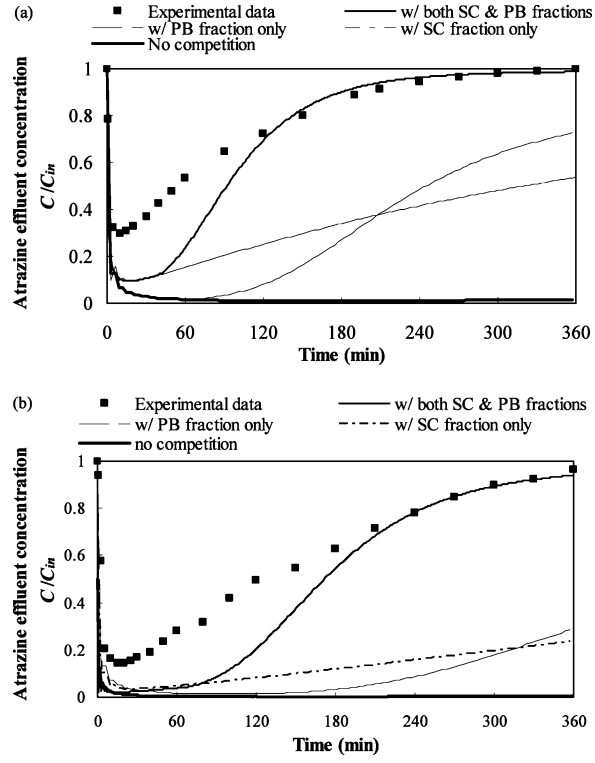

FIGURE 9. Experimental results and model predictions of atrazine removal by the continuous-flow PAC/membrane system using Norit SA UF batch A PAC and CWW water. $C_{in,\ atrazine}$ = 10.5 μg/L, membrane backwash interval = 360 min, permeate flowrate = 0.01 L/min, stirred cell volume = 300 mL: (a) carbon dose = 7.2 mg; (b) carbon dose = 14.4 mg.

3. Page 355, Figure 9a and b. Use of the incorrect q_{cr} value for SA UF resulted in incorrect simulations. The correct simulations are shown in revised Figure 9a and b above.

ES703228K

10.1021/es703228k CCC: $40.75

Published on Web 02/19/2008