Erratum to: Adsorption of arsenic(V) by iron-oxide-coated diatomite (IOCD)

Yi-Fong Pan • Cary T. Chiou • Tsair-Fuh Lin

Published online: 26 January 2013
 © Springer-Verlag Berlin Heidelberg 2013

Erratum to: Environ Sci Pollut Res (2010) 17:1401–1410
DOI 10.1007/s11356-010-0325-z

Because some important data were miscalculated, we have modified them as follows:

Erratum (I): 3.4.2 Simulation of PDM for adsorption kinetic data

1. Pore diffusion coefficient (D_p) is corrected as $3 \times 10^{-7} \text{ cm}^2/\text{sec}$ (original value= $1.2 \times 10^{-6} \text{ cm}^2/\text{sec}$)
2. The correct D_p value ($3 \times 10^{-7} \text{ cm}^2/\text{sec}$) is also shown in Fig. 5
3. Effective tortuosity ($\tau/K_t = D_M/D_p$) is replaced by 33.3 (original value=6.3)

Erratum (II): 3.4.1 Rate of adsorption

Lines 6–8: ...initial adsorption rate constant (v_o) increased from 0.93 to $1.23 \text{ mgg}^{-1} \text{ h}^{-1}$ for IOCD-3_{0.43} and from 1.53 to $2.83 \text{ mgg}^{-1} \text{ h}^{-1}$ for IOCD-2_{0.11} (original statement=initial adsorption rate constant (v_o) increased from 0.93 to 1.23 mg/g for IOCD-2_{0.11} and from 1.53 to 2.83 mg/g for IOCD-3_{0.43})

Fig. 5 Experimental data (symbols) and fitted pore diffusion model (lines) for As(V) adsorption onto IOCD-2_{0.11}

The online version of the original article can be found at <http://dx.doi.org/10.1007/s11356-010-0325-z>.

Y.-F. Pan • C. T. Chiou • T.-F. Lin (✉)

Department of Environmental Engineering and Sustainable
 Environment Research Center, National Cheng Kung University,
 Tainan City 70101, Taiwan, Republic of China
 e-mail: tflin@mail.ncku.edu.tw