

Fig. 1. Structures and $\log P_{\text{ow}}$ so f aromatic compounds and nitrocyclohexane. a) the values of $\log P_{\text{ow}}$ was referred to Ref. [25] b) the values of $\log P_{\text{ow}}$ was referred to Ref. [27] d) the values of $\log P_{\text{ow}}$ was referred to Ref. [28].

- [25] M.G. Khaledi, E.D. Breyer, Quantitation of hydrophobicity with micellar liquid chromatography, Anal. Chem. 61 (1989) 1040–1047.
- [26] X. Ruan, L. Zhu, B. Chen, Adsorptive characteristics of the siloxane surfaces of reduced-charge bentonites saturated with tetramethylammonium, Environ. Sci. Technol. 42 (2008) 7911–7917.
- [27] P. Ruelle, The n-octanol and n-hexane/water partition coefficient of environmentally relevant chemicals predicted from the mobile order and disorder [MOD] thermodynamics, Chemosphere 40 (2000) 457–512.
- [28] S.B. Haderleln, R.P. Schwarzenbach, Adsorption of substituted nitrobenzenes and nitrophenols to mineral surface, Environ. Sci. Technol. 27 (1993) 316–326.