

Supplementary Information for

Interfacial Water on Hydrophobic Surfaces Recognized by Ions and Molecules

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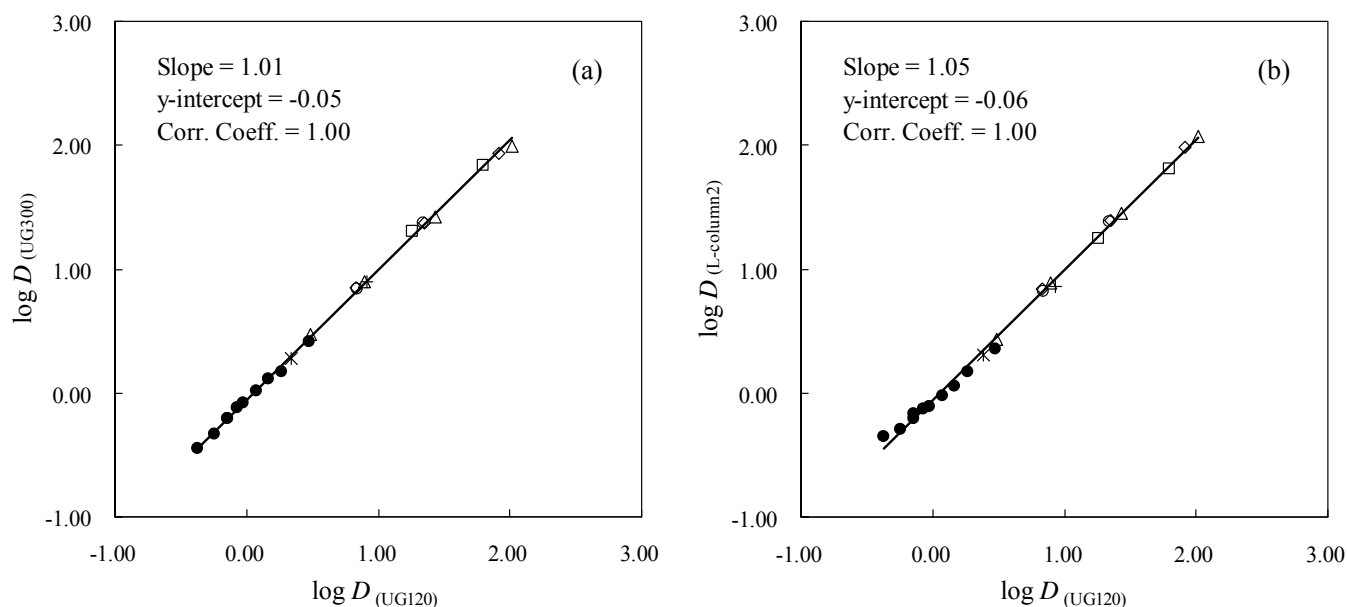


Fig. S1 Values of $\log D$ for Capcell Pak C18 UG300 (a) and L-column2 ODS (b) plotted against $\log D$ for Capcell Pak C18 UG120. The column temperature was 303 K. Symbols, Δ = methanol, ethanol, 1-propanol, and 1-butanol; \square = acetone and 2-butanone; \circ = acetonitrile and propionitrile; \diamond = nitromethane, nitroethane, and 1-nitropropane; $+$ = uracil; $*$ = thiourea; \bullet = inorganic anions. The D values for organic compounds were determined with pure water and those for inorganic anions were with 0.1 M NaCl and NaClO₄ aqueous solutions.

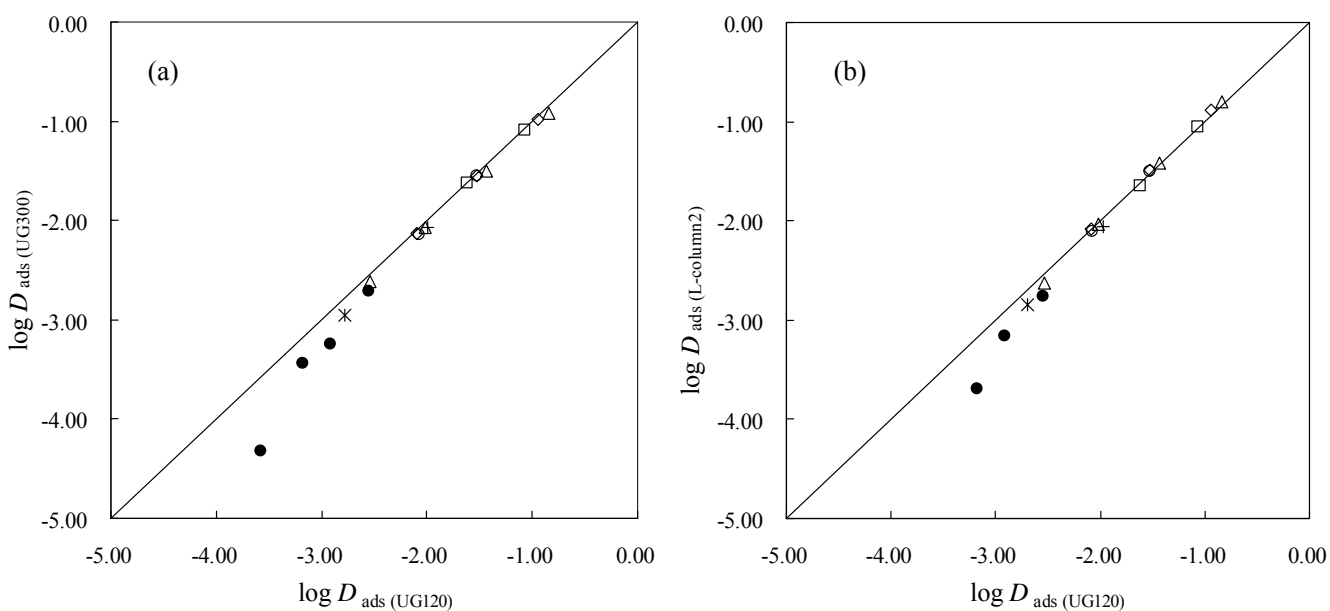


Fig. S2 Values of $\log D_{\text{ads}}$ for Capcell Pak C18 UG300 (a) and L-column2 ODS (b) plotted against $\log D_{\text{ads}}$ for Capcell Pak C18 UG120. For other details see Fig. S1.

Table S1 Retention volumes (cm^3) of inorganic ions obtained on Capcell Pak C18 UG80 by elution with 0.01 and 0.1 mol dm^{-3} KCl aqueous solutions

analyte	Ionic strength / mol dm^{-3}	
	0.01	0.1
Li^+	1.84	1.84
Na^+	1.85	1.85
Mg^{2+}	1.79	1.80
Ca^{2+}	1.80	1.81
IO_3^-	1.34	1.34
Br^-	1.38	1.38
NO_3^-	1.42	1.42
I^-	1.47	1.47
SCN^-	1.73	1.72

