

Electronic Supplementary Information (ESI)

Preferential adsorption of the additive is not a prerequisite for cononsolvency in water-rich mixtures

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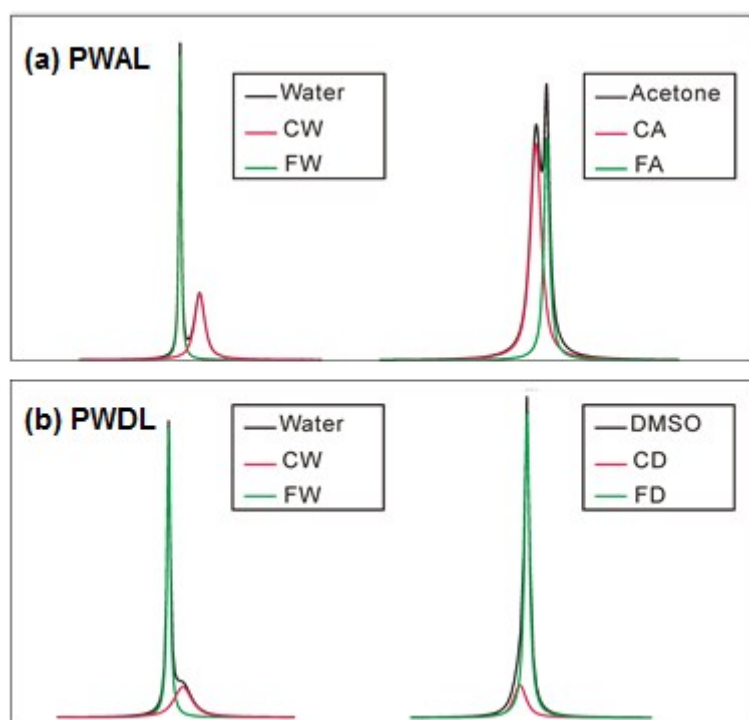


Figure S1. Peak fit of free and confined solvents by DMFIT. The confined and free solvents are indicated in red and green, respectively.

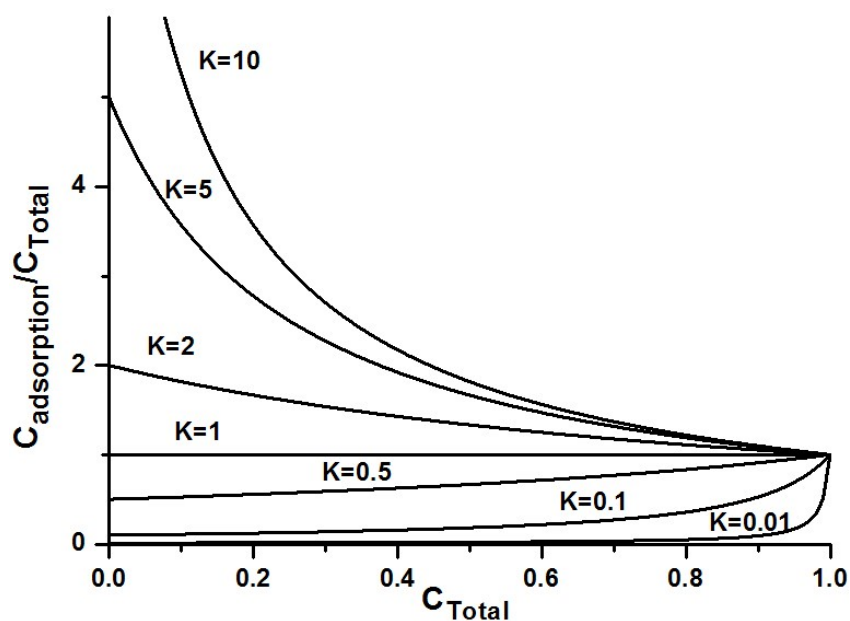


Figure S2. Preferential adsorption coefficient η ($C_{\text{adsorption}}/C_{\text{Total}}$) as a function of the total additive concentration. When $K > 1$, the value of coefficient $\eta > 1$ and decreases with the increase of the total additive mole fraction C_T ; When $K < 1$, the value of coefficient $\eta < 1$ and increases with the increase of the total additive mole fraction C_T ; When $K = 1$, $\eta = 1$ and doesn't change with the total concentration.