

Solubilities of Oxygenated Aromatic Solids in Pressurized Hot Water

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Table S1. Estimates of the Activity Coefficients of Oxygenated Aromatic Solids in Aqueous Solutions at Saturation ($\Delta C_{P2}/\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1} = 0$)

solute	T/K	P/MPa	$10^{-4}\gamma_2^{\text{sat}} (\Delta C_{P2}/\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1} = 0)$
xanthene	313.2	5.3	117
	323.2	5.3	78.2
	333.2	5.1	54.2
	343.2	5.1	38.6
	353.2	5.0	26.3
	363.2	5.0	19.0
	368.2	5.0	15.9
anthrone	313.2	5.1	17.8
	333.2	5.0	10.8
	353.2	5.8	6.17
	373.2	5.0	3.39
	393.2	5.0	1.79
	413.2	5.0	0.749
	423.2	5.0	0.708
xanthone	313.2	5.3	8.40
	333.2	5.1	5.63
	353.2	5.0	3.42
	373.2	5.0	2.31
	393.2	5.1	1.24
	413.2	5.0	0.739
	433.2	5.0	0.354

thioxanthone	313.2	5.4	6.29
	333.2	5.2	5.38
	353.2	5.1	3.96
	373.2	5.1	2.99
	393.2	5.3	1.84
	413.2	5.2	1.01
	433.2	5.3	0.588
	453.2	5.3	0.370
	473.2	6.4	0.193
9,10-anthraquinone	313.2	5.0	5.69
	333.2	5.0	4.26
	353.2	5.0	2.86
	373.2	5.1	1.97
	393.2	5.2	1.27
	413.2	5.0	0.795
	433.2	5.8	0.440