

Temperature dependence of the particle/gas partition coefficient: an application to predict indoor gas-phase concentrations of semi-volatile organic compounds

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SUPPLEMENTARY MATERIAL – 3 pages

Table S1. Temperature dependence of the prediction of C_g

T °C	$\frac{C_g}{C_{g T=25^\circ\text{C}}}$ ($\Delta H = 50$ kJ/mol)	$\frac{C_g}{C_{g T=25^\circ\text{C}}}$ ($\Delta H = 100$ kJ/mol)
15	0.51	0.26
16	0.55	0.29
17	0.59	0.34
18	0.63	0.39
19	0.67	0.45
20	0.72	0.51
21	0.77	0.59
22	0.82	0.67
23	0.88	0.77
24	0.94	0.88
25	1.00	1.00
26	1.07	1.14
27	1.14	1.30
28	1.21	1.48
29	1.29	1.68
30	1.37	1.91

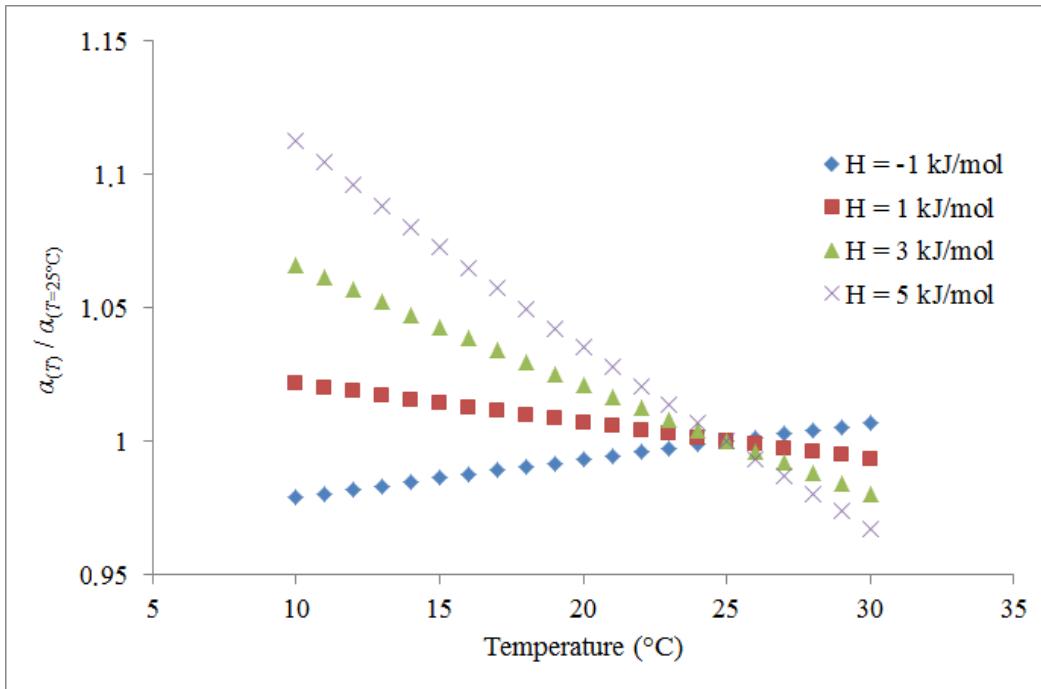


Fig. S1. Calculation of the activity coefficient using the UNIFAC model