

Corrections

Vapor-Liquid Equilibrium Data for Binary Systems of Chlorobenzene with Acetone, Acetonitrile, Ethyl Acetate, Ethylbenzene, Methanol, and 1-Pentene. Patrick J. Maher and Buford D. Smith,* *J. Chem. Eng. Data* **1979**, *24*, 363.

Vapor-Liquid Equilibrium Data for Binary Systems of Aniline with Acetone, Acetonitrile, Chlorobenzene, Methanol, and 1-Pentene. Patrick J. Maher and Buford D. Smith,* *J. Chem. Eng. Data* **1980**, *25*, 61.

Vapor-Liquid Equilibrium for the Binary Systems Propionitrile + Ethylbenzene and Acetonitrile + Ethyl Acetate, + Ethyl Alcohol, and + Toluene. Ol Muthu, Patrick J. Maher, and Buford D. Smith,* *J. Chem. Eng. Data* **1980**, *25*, 163.

In all three papers, the "combined correction term" is defined correctly but, due to an error in the computer program used to tabulate the tables, the numbers listed in all the tables as the "combined correction term" are actually the reciprocal of that term.

In the second paper by Maher and Smith (*J. Chem. Eng. Data* **1980**, *25*, 61) Table XVI is incorrect and must be replaced with the following version:

Table XVI. Calculated Data for the Chlorobenzene (1) + Aniline (2) System at 393.15 K^a

x_1	total press., kPa		mixture fugacity coeff		y_1	activity coeff		G^E , J/mol
	exptl	calcd	1	2		1	2	
0.0000	13.260	13.260	0.9951	0.9919	0.0000	1.9047	1.0000	0.00
0.1000	23.617	23.617	0.9907	0.9858	0.4872	1.6113	1.0083	180.15
0.2000	31.739	31.739	0.9873	0.9811	0.6526	1.4450	1.0276	311.77
0.3000	38.609	38.608	0.9845	0.9772	0.7419	1.3281	1.0568	404.63
0.4000	44.511	44.510	0.9821	0.9738	0.7996	1.2344	1.0993	461.09
0.5000	49.682	49.681	0.9800	0.9709	0.8419	1.1577	1.1585	479.88
0.6000	54.533	54.532	0.9780	0.9682	0.8771	1.1008	1.2320	461.26
0.7000	59.179	59.178	0.9761	0.9656	0.9083	1.0582	1.3260	406.16
0.8000	63.706	63.705	0.9743	0.9630	0.9377	1.0269	1.4513	312.91
0.9000	68.336	68.336	0.9724	0.9605	0.9677	1.0084	1.6084	179.92
1.0000	73.021	73.021	0.9705	0.9579	1.0000	1.0000	1.9937	0.00

^a Liquid molar volumes (cm³/mol): $V_1^L = 125.343$, $V_2^L = 109.245$. Virial coefficients (cm³/mol): $B_{11} = -1318.7$, $B_{12} = -1602.6$, $B_{22} = -1988.9$.