Isothermal Vapor−Liquid Equilibria of Ethyl Acetate + Dibromomethane or + Bromochloromethane or + 1,2-Dichloroethane or +1-Bromo-2-chloroethane at $T = 313.15$ K. P. García-Giménez, V. Gil-Hernández, M. Artal, J. M. Embid, and S. Otín* *J. Chem. Eng. Data* **2004**, *49*, 1574−1576.

There has been detected an error to be corrected in this paper. It affects the activity coefficients of all of the systems. It was due to a mistake in transferring the values to the final version of Table 2. The activity coefficients that were published were inversely ordered, and they did not correspond to those molar fractions.

Corrected values for activity coefficients are given below.

Table 2. Experimental Vapor−Liquid Equilibrium Pressure P at 313.15 K as a Function of Liquid Mole Fraction x_1 and Vapor Mole Fraction y_1

x_1	y_1	P/kPa	γ_1	γ_2	G^E/RT	x_1	y_1	P/kPa	γ_1	γ_2	G^E/RT
Dibromomethane (1) + Ethyl Acetate (2)											
0.0710	0.0315	24.306	0.8803	1.0003	−0.0088	0.5222	0.3701	18.088	0.9494	0.9671	−0.0431
0.0936	0.0429	23.948	0.8880	0.9981	−0.0128	0.6137	0.4568	16.902	0.9667	0.9445	−0.0429
0.1817	0.0882	22.685	0.9082	0.9938	−0.0226	0.6855	0.5355	16.055	0.9812	0.9226	−0.0384
0.2469	0.1365	21.755	0.9143	0.9900	−0.0297	0.7001	0.5610	15.808	0.9791	0.9133	−0.0419
0.3738	0.2339	20.094	0.9283	0.9866	−0.0362	0.8084	0.6908	14.694	0.9950	0.8778	−0.0290
0.4147	0.2669	19.520	0.9322	0.9822	−0.0397	0.8306	0.7166	14.510	0.9987	0.8728	−0.0241
0.4929	0.3405	18.496	0.9453	0.9734	−0.0415	0.9154	0.8192	13.733	1.0003	0.8556	−0.0129
Bromochloromethane (1) + Ethyl Acetate (2)											
0.0887	0.0898	25.402	0.7164	0.9990	−0.0305	0.5083	0.6072	28.049	0.8863	0.9034	−0.1113
0.1583	0.1661	25.515	0.7399	0.9929	−0.0537	0.5445	0.6460	28.533	0.9010	0.8875	−0.1112
0.2451	0.2686	25.851	0.7747	0.9825	−0.0759	0.7428	0.8413	31.797	0.9646	0.7793	−0.0908
0.3372	0.3789	26.348	0.8125	0.9615	−0.0961	0.7916	0.8801	32.844	0.9782	0.7515	−0.0769
0.4046	0.4535	26.935	0.8429	0.9431	−0.1041	0.8362	0.9116	33.768	0.9867	0.7237	−0.0642
0.4370	0.4973	27.219	0.8559	0.9309	−0.1083	0.9274	0.9644	35.746	0.9983	0.6663	−0.0310
0.4901	0.5788	27.851	0.8796	0.9118	−0.1099						
1,2-Dichloroethane (1) + Ethyl Acetate (2)											
0.1523	0.1146	24.143	0.7912	1.0084	−0.0286	0.6198	0.5958	21.071	0.9576	0.8950	−0.0690
0.2147	0.1648	23.672	0.8016	1.0105	−0.0394	0.6402	0.6182	21.015	0.9599	0.8909	−0.0678
0.2835	0.2216	23.035	0.8304	0.9991	−0.0534	0.6789	0.6640	20.940	0.9644	0.8845	−0.0640
0.3225	0.2663	22.659	0.8498	0.9874	−0.0611	0.7503	0.7445	20.822	0.9715	0.8709	−0.0562
0.4036	0.3462	22.033	0.8924	0.9602	−0.0701	0.7825	0.7796	20.772	0.9746	0.8614	−0.0526
0.4253	0.3727	21.864	0.9016	0.9512	−0.0728	0.8282	0.8319	20.734	0.9805	0.8416	−0.0459
0.5301	0.4900	21.367	0.9407	0.9173	−0.0729	0.8964	0.9005	20.706	0.9888	0.7864	−0.0350
0.5472	0.5108	21.280	0.9440	0.9115	−0.0735	0.9393	0.9445	20.762	0.9937	0.7313	−0.0249
0.5831	0.5541	21.138	0.9503	0.9014	−0.0730	0.9782	0.9814	20.806	0.9930	0.6631	−0.0159
1-Bromo-2-chloroethane (1) + Ethyl Acetate (2)											
0.0879	0.0344	23.784	0.9291	1.0017	−0.0049	0.6367	0.4012	14.252	0.9980	0.9416	−0.0232
0.1691	0.0749	22.368	0.9148	1.0014	−0.0139	0.7260	0.5158	12.894	1.0030	0.9318	−0.0172
0.2861	0.1377	20.402	0.9319	1.0014	−0.0191	0.7487	0.5372	12.588	1.0055	0.9327	−0.0134
0.4053	0.2006	18.225	0.9593	0.9858	−0.0254	0.7691	0.5657	12.307	1.0070	0.9335	−0.0105
0.4305	0.2187	17.719	0.9625	0.9785	−0.0288	0.8086	0.6225	11.711	1.0045	0.9323	−0.0098
0.4676	0.2595	17.098	0.9730	0.9738	−0.0269	0.8449	0.6823	11.175	1.0023	0.9337	−0.0087
0.5236	0.2954	16.071	0.9808	0.9597	−0.0297	0.8784	0.7387	10.684	1.0002	0.9373	−0.0077
0.5716	0.3470	15.266	0.9884	0.9505	−0.0284	0.9144	0.8074	10.165	0.9991	0.9443	−0.0057
0.6032	0.3733	14.776	0.9940	0.9464	−0.0255						

Acknowledgment

We thank Professor William E. Acree, Jr. (University of North Texas, Denton, TX) for detecting the error in Table 2.

JE050025J

10.1021/je050025j CCC: $30.25
Published on Web 02/19/2005