

Vapor–Liquid Equilibrium Data for Acetone + Methanol + Benzene, Chloroform + Methanol + Benzene, and Constituent Binary Systems at 101.3 kPa. Kiyofumi Kurihara, Hiroaki Hori, and Kazuo Kojima, *J. Chem. Eng. Data* **1998**, 43, 264–268.

The numbers of the components for the benzene + methanol system in Table 3 on p 265 need correction. Table 3 is correct as given below.

Table 3. Isobaric Vapor–Liquid Equilibrium Data, Liquid Phase, x_1 , and Vapor Phase, y_1 , Mole Fractions, Temperature, T , and Activity Coefficients, γ_b , for the Two Binary Systems at 101.3 kPa

| x_1 | y_1 | TK | γ_1 | γ_2 |
|----------------------------|-------|--------|------------|------------|
| Acetone (1) + Benzene (2) | | | | |
| 0.076 | 0.198 | 348.30 | 1.498 | 1.009 |
| 0.101 | 0.250 | 347.01 | 1.473 | 1.010 |
| 0.124 | 0.287 | 346.03 | 1.414 | 1.016 |
| 0.149 | 0.329 | 344.98 | 1.388 | 1.018 |
| 0.207 | 0.408 | 342.88 | 1.313 | 1.032 |
| 0.226 | 0.430 | 342.28 | 1.289 | 1.039 |
| 0.262 | 0.472 | 341.22 | 1.257 | 1.046 |
| 0.281 | 0.493 | 340.66 | 1.244 | 1.050 |
| 0.325 | 0.534 | 339.56 | 1.202 | 1.067 |
| 0.367 | 0.573 | 338.54 | 1.177 | 1.080 |
| 0.398 | 0.597 | 337.93 | 1.151 | 1.095 |
| 0.462 | 0.650 | 336.64 | 1.121 | 1.114 |
| 0.501 | 0.680 | 335.90 | 1.106 | 1.127 |
| 0.565 | 0.722 | 334.84 | 1.074 | 1.167 |
| 0.629 | 0.768 | 333.74 | 1.061 | 1.189 |
| 0.669 | 0.793 | 333.17 | 1.049 | 1.215 |
| 0.709 | 0.818 | 332.62 | 1.038 | 1.240 |
| 0.772 | 0.856 | 331.86 | 1.021 | 1.289 |
| 0.816 | 0.883 | 331.32 | 1.014 | 1.325 |
| 0.845 | 0.901 | 330.97 | 1.010 | 1.350 |
| 0.922 | 0.949 | 330.08 | 1.002 | 1.431 |
| Methanol (1) + Benzene (2) | | | | |
| 0.075 | 0.449 | 336.31 | 6.400 | 1.025 |
| 0.092 | 0.474 | 335.36 | 5.706 | 1.030 |
| 0.129 | 0.503 | 333.90 | 4.564 | 1.068 |
| 0.155 | 0.521 | 333.35 | 4.016 | 1.082 |
| 0.221 | 0.541 | 332.41 | 3.032 | 1.164 |
| 0.260 | 0.552 | 332.09 | 2.661 | 1.210 |
| 0.308 | 0.565 | 331.82 | 2.323 | 1.269 |
| 0.347 | 0.571 | 331.67 | 2.095 | 1.334 |
| 0.381 | 0.575 | 331.54 | 1.931 | 1.400 |
| 0.409 | 0.578 | 331.45 | 1.815 | 1.461 |
| 0.458 | 0.586 | 331.30 | 1.652 | 1.572 |
| 0.483 | 0.590 | 331.25 | 1.580 | 1.636 |
| 0.540 | 0.602 | 331.17 | 1.446 | 1.791 |
| 0.552 | 0.602 | 331.14 | 1.416 | 1.841 |
| 0.564 | 0.605 | 331.12 | 1.394 | 1.879 |
| 0.575 | 0.607 | 331.12 | 1.372 | 1.918 |
| 0.580 | 0.607 | 331.11 | 1.360 | 1.941 |
| 0.608 | 0.613 | 331.10 | 1.311 | 2.050 |
| 0.615 | 0.615 | 331.11 | 1.300 | 2.076 |
| 0.618 | 0.615 | 331.11 | 1.293 | 2.092 |
| 0.636 | 0.620 | 331.12 | 1.266 | 2.167 |
| 0.639 | 0.620 | 331.11 | 1.261 | 2.186 |
| 0.642 | 0.622 | 331.12 | 1.258 | 2.192 |
| 0.654 | 0.624 | 331.12 | 1.239 | 2.256 |
| 0.655 | 0.624 | 331.14 | 1.236 | 2.261 |
| 0.658 | 0.625 | 331.13 | 1.233 | 2.276 |
| 0.669 | 0.629 | 331.13 | 1.220 | 2.327 |
| 0.676 | 0.630 | 331.14 | 1.209 | 2.370 |
| 0.684 | 0.634 | 331.16 | 1.201 | 2.403 |
| 0.691 | 0.635 | 331.17 | 1.190 | 2.450 |
| 0.695 | 0.638 | 331.18 | 1.189 | 2.461 |
| 0.725 | 0.647 | 331.26 | 1.151 | 2.656 |
| 0.803 | 0.684 | 331.71 | 1.078 | 3.275 |
| 0.838 | 0.708 | 332.06 | 1.054 | 3.642 |
| 0.877 | 0.745 | 332.67 | 1.034 | 4.111 |
| 0.911 | 0.786 | 333.46 | 1.017 | 4.654 |
| 0.932 | 0.818 | 334.07 | 1.010 | 5.084 |
| 0.956 | 0.865 | 335.01 | 1.003 | 5.663 |