

COMPONENT (I)		V(I) (ML/MOL)	R(I)	Q(I)
DIBUTYL ETHER	C ₈ H ₁₈ O	170.44	6.0925	5.1760
2-ETHYL-1-HEXANOL	C ₈ H ₁₈ O	156.28	6.1511	5.2080
QUINOLINE	C ₉ H ₇ N	118.18	4.7923	3.1530
ISOPROPYLBENZENE	C ₉ H ₁₂	140.17	5.2708	4.6440
NICOTINE	C ₁₀ H ₁₄ N ₂	160.73	6.4898	4.6210
BIPHENYL	C ₁₂ H ₁₀	155.77	6.0434	4.2400

COMPONENT (I)		V (I)	R (I)	Q (I)
PROPIONIC ACID	C3H6O2	74.98	2.8768	2.6120
N,N-DIMETHYLFORMAMIDE	C3H7NO	77.43	3.0856	2.7360
N-METHYLACETAMIDE	C3H7NO	76.96	3.1061	2.7320
1-PROPANOL	C3H8O	75.14	2.7799	2.5120
2-PROPANOL	C3H8O	76.92	2.7791	2.5080
1,2-PROPANEDIOL	C3H8O2	73.68	3.2824	2.7840
GLYCEROL	C3H8O3	73.19	3.5857	3.0600
ISOPROPYLAMINE	C3H9N	86.66	2.9439	2.6200
METHYL VINYL KETONE	C4H6O	81.16	3.0178	2.6640
METHACRYLIC ACID	C4H6O2	84.79	3.3197	3.0600
VINYL ACETATE	C4H6O2	93.10	3.2485	2.9040
2-BUTANONE	C4H8O	90.17	3.2479	2.8760
BUTYRALDEHYDE	C4H8O	88.27	3.2479	2.8760
TETRAHYDROFURAN	C4H8O	81.55	2.9415	2.7200
BUTYRIC ACID	C4H8O2	92.43	3.5512	3.1520
1,4-DIOXANE	C4H8O2	85.71	3.1854	2.6400
ETHYL ACETATE	C4H8O2	98.49	3.4786	3.1160
3-HYDROXY-2-BUTANONE	C4H8O2	87.57	3.5504	3.1480
N,N-DIMETHYLACETAMIDE	C4H9NO	93.02	3.5332	2.9680
MORPHOLINE	C4H9NO	87.52	3.4740	2.7960
1-BUTANOL	C4H10O	91.97	3.4543	3.0520
2-BUTANOL	C4H10O	92.35	3.4535	3.0480
2-METHYL-1-PROPANOL	C4H10O	92.91	3.4535	3.0480
TERT-BUTANOL	C4H10O	94.88	3.4528	3.1280
2,3-BUTANEDIOL	C4H10O2	62.99	3.7560	3.3200
1,2-DIMETHOXYETHANE	C4H10O2	104.44	3.6388	3.2560
2-ETHOXYETHANOL	C4H10O2	97.41	3.6982	3.2920

ISOBUTYR ALDEHYDE

C4H8O

91.39

3.2471

2.8728

COMPONENT (1)

V (1) (ML/MOL)

n (1)

Q (1)

TETRAHYDROFURAN	C4H8O	81.55	2.9415	2.7288
BUTYRIC ACID	C4H8O2	92.43	3.5512	3.1528
1,4-DIOXANE	C4H8O2	85.71	3.1854	2.6488
ETHYL ACETATE	C4H8O2	98.49	3.4786	3.1168
3-HYDROXY-2-BUTANONE	C4H8O2	87.57	3.5584	3.1488
ISOBUTYRIC ACID	C4H8O2	93.44	3.5584	3.1488
ISOPROPYL FORMATE	C4H8O2	108.95	3.4911	3.1128
SULFOLANE	C4H8O2S	95.27	4.8358	3.2888
N,N-DIMETHYLACETAMIDE	C4H9NO	93.82	3.5332	2.9688
MORPHOLINE	C4H9NO	87.52	3.4748	2.7968
1-BUTANOL	C4H10O	91.97	3.4543	3.0528
2-BUTANOL	C4H10O	92.35	3.4535	3.0488
TERT-BUTANOL	C4H10O	94.88	3.4528	3.1288
DIETHYL ETHER	C4H10O	104.75	3.3949	3.0168
2-METHYL-1-PROPANOL	C4H10O	92.91	3.4535	3.0408
1,4-BUTANEDIOL	C4H10O2	88.35	3.7576	3.3288
2,3-BUTANEDIOL	C4H10O2	62.99	3.7568	3.3288
DIETHYLENE GLYCOL	C4H10O3	94.78	4.8813	3.5688
BUTYLAMINE	C4H11N	99.56	3.6191	3.1648
DIETHYLAMINE	C4H11N	104.25	3.6836	3.1728
FURFURAL	C5H4O2	83.23	3.1688	2.4848
PYRIDINE	C5H5N	88.86	2.9993	2.1138
ISOPRENE	C5H8	108.84	3.3638	3.0128
METHYL CYCLOPROPYL KETONE	C5H8O	93.63	3.4681	2.7968
METHYL METHACRYLATE	C5H8O2	106.78	3.9215	3.5648
N-METHYLPYRROLIDONE	C5H9NO	96.44	3.9818	3.2888

BUTYL ACETATE
DIACETONE ALCOHOL
ISOPENTYL FORMATE
PROPYL PROPIONATE

C6H12G2	124.82	4.8985	4.2080
C6H12O2	83.11	5.5010	4.7320
C6H12O2	131.85	4.8274	4.1960

COMPONENT (I)		V (I) (ML/MOL)	R (I)	Q (I)
HEXANE	C6H14	131.61	4.4998	3.8560
DIISOPROPYL ETHER	C6H14O	142.28	4.7421	4.0880
1-HEXANOL	C6H14O	125.23	4.8031	4.1320
2-HEXANOL	C6H14O	125.24	4.8023	4.1280
2-BUTOXY-ETHANOL	C6H14O2	131.84	5.0470	4.3720
DIISOPROPYLAMINE	C6H15N	142.53	5.0308	4.2440
ETHYL BUTYL AMINE	C6H15N	130.40	5.0324	4.2520
N-ETHYL-SEC-BUTYLAMINE	C6H15N	136.82	5.0316	4.2480
TRIETHYLAMINE	C6H15N	139.96	5.0118	4.2560
BENZOIC ACID	C7H6O2	113.60	4.3230	3.3440
TOLUENE	C7H8	106.85	3.9228	2.9680
BENZYL ALCOHOL	C7H8O	103.85	4.2260	3.2560
2-METHYLPHENOL	C7H8O	95.28	4.2867	3.2480
3-METHYLPHENOL	C7H8O	104.97	4.2867	3.2480
4-METHYLPHENOL	C7H8O	93.71	4.2867	3.2480
GUAIACOL	C7H8O2	109.99	4.5306	3.4880
2,4-DIMETHYLPYRIDINE	C7H9N	115.59	4.4693	3.2490
2,6-DIMETHYLPYRIDINE	C7H9N	116.48	4.4693	3.2490
ISOPENTYL ACETATE	C7H14O2	150.26	5.5010	4.7320
HEPTANE	C7H16	147.47	5.1742	4.3960
STYRENE	C8H8	115.57	4.3671	3.2960
ACETOPHENONE	C8H8O	117.36	4.6941	3.6080
ETHYLBENZENE	C8H10	123.07	4.5972	3.5080
P-XYLENE	C8H10	123.93	4.6578	3.5360
2-METHYL-5-ETHYLPYRIDINE	C8H11N	131.95	5.1437	3.7890
2,4,4-TRIMETHYL-1-PENTENE	C8H16	155.97	5.6156	4.8200

COMPONENT (1)		V(1) (ML/MOL)	R(1)	Q(1)
2-METHYL-2-BUTENE	C5H10	105.90	3.5919	3.2200
2-METHYL-3-BUTEN-2-OL	C5H10O	86.24	3.8978	3.3760
3-PENTANONE	C5H10O	106.41	3.9223	3.4160
ISOPROPYL ACETATE	C5H10O2	117.83	4.1522	3.6520
PENTANE	C5H12	116.11	3.8254	3.3160
3-METHYLBUTANOL	C5H12O	109.22	4.1279	3.5880
1-PENTANOL	C5H12O	100.63	4.1287	3.5920
TERT-PENTANOL	C5H12O	109.38	4.1272	3.6680
DIMETHYLISOPROPYL AMINE	C5H13N	121.90	4.3367	3.7120
ETHYL ISOPROPYL AMINE	C5H13N	124.07	4.3572	3.7880
BENZENE	C6H6	89.41	3.1070	2.4000
PHENOL	C6H6O	83.14	3.5517	2.6800
ANILINE	C6H7N	91.53	3.7165	2.8160
2-METHYLPYRIDINE	C6H7N	99.03	3.7343	2.6810
3-METHYLPYRIDINE	C6H7N	97.88	3.7343	2.6810
4-METHYLPYRIDINE	C6H7N	98.01	3.7343	2.6810
PHENYLHYDRAZINE	C6H8N2	98.46	4.2492	3.2240
CYCLOHEXANONE	C6H10O	104.18	4.1433	3.3400
METHYLDIHYDROPYRAN	C6H10O	89.90	3.0711	2.3840
MESITYLOXIDE	C6H10O	114.23	4.3632	3.8600
CYCLOHEXANE	C6H12	100.75	4.0464	3.2400
CYCLOHEXANOL	C6H12O	103.43	4.3409	3.5120
BUTYL ACETATE	C6H12O2	132.55	4.8274	4.1960
DIACETONE ALCOHOL	C6H12O2	124.82	4.8985	4.3080
ISOPENTYL FORMATE	C6H12O2	83.11	5.5010	4.7320
PROPYL PROPIONATE	C6H12O2	131.85	4.8274	4.1960

COMPONENT (1)		V (1) (ML/MOL)	R (1)	Q (1)
ACRYLIC ACID	C3H4O2	68.56	2.6467	2.4000
3-CHLORO-1-PROPENE	C3H5CL	81.62	2.8100	2.4400
PROPIONITRILE	C3H5N	70.90	2.5445	2.2640
ACETONE	C3H6O	74.05	2.5735	2.3360
ALLYL ALCOHOL	C3H6O	68.62	2.5490	2.3000
PROPIONIC ALDEHYDE	C3H6O	73.41	2.5735	2.3360
DIOXOLANE	C3H6O2	69.89	2.5110	2.1000
METHYL ACETATE	C3H6O2	79.84	2.8042	2.5760
PROPIONIC ACID	C3H6O2	74.98	2.8768	2.6120
1,3,5-TRIOXANE	C3H6O3	76.99	2.7549	2.3400
N,N-DIMETHYLFORMAMIDE	C3H7NO	77.43	3.0856	2.7360
N-METHYLACETAMIDE	C3H7NO	76.96	3.1061	2.7320
1-PROPANOL	C3H8O	75.14	2.7799	2.5120
2-PROPANOL	C3H8O	76.92	2.7791	2.5080
DIETHOXYMETHANE	C3H8O2	89.13	2.9644	2.7160
1,2-PROPANEDIOL	C3H8O2	73.68	3.2824	2.7840
GLYCEROL	C3H8O3	73.19	3.5857	3.0600
ISOPROPYLAMINE	C3H7N	86.66	2.9439	2.6200
PROPYLAMINE	C3H7N	83.01	2.9447	2.6240
METHYL ACRYLATE	C4H6O2	90.27	3.2485	2.9040
VINYL ACETATE	C4H6O2	93.10	3.2485	2.9040
ACETIC ANHYDRIDE	C4H6O3	94.96	3.5755	3.2160
BETA-METHOXYPROPIONIC ACID NITRILE	C4H7NO	95.33	3.4628	3.0440
1-BUTANONE	C4H8O	90.17	3.2479	2.8760
BUTYRALDEHYDE	C4H8O	88.27	3.2479	2.8760
ISOBUTYRALDEHYDE	C4H8O	91.39	3.2471	2.8720

PURE COMPONENT PARAMETERS:

COMPONENT (I)		V (I) (ML/MOL)	R (I)	Q (I)
DEUTERIUM OXIDE	D2O	18.13	0.9200	1.4000
WATER	H2O	18.07	0.9200	1.4000
CHLOROFORM	CHCL3	80.67	2.8700	2.4100
HYDROGEN CYANIDE	CHN	39.31	1.1957	1.1840
DICHLOROMETHANE	CH2CL2	64.50	2.2564	1.9800
FORMALDEHYDE	CH2O	36.83	1.2240	1.2560
FORMIC ACID	CH2O2	37.91	1.5280	1.5320
NITROMETHANE	CH3NO2	53.96	2.0006	1.8680
METHANOL	CH4O	40.73	1.4311	1.4320
1,1,2,2-TETRACHLORO ETHANE	C2H2CL4	105.60	4.1212	3.3680
ACETONITRILE	C2H3N	52.86	1.8701	1.7240
1,2-DICHLOROETHANE	C2H4CL2	78.07	2.9308	2.5200
ACETALDEHYDE	C2H4O	56.62	1.8991	1.7960
ETHYLENE OXIDE	C2H4O	49.92	1.5927	1.3200
ACETIC ACID	C2H4O2	57.54	2.2024	2.0720
2-CHLOROETHANOL	C2H5CLO	67.29	2.6698	2.3920
N-METHYLFORMAMIDE	C2H5NO	59.14	2.4317	2.1920
ETHANOL	C2H6O	58.69	2.1055	1.9720
DIMETHYLSULFOXIDE	C2H6OS	71.30	2.8266	2.4720
1,2-ETHANEDIOL	C2H6O2	55.92	2.4008	2.2400
DIMETHYLAMINE	C2H7N	66.27	2.3348	2.0920
ETHYLAMINE	C2H7N	60.75	2.2703	2.0840
ETHYLENEDIAMINE	C2H8N2	67.84	2.7384	2.4720
ACRYLONITRILE	C3H3N	66.30	2.3144	2.0520
THIAZOLE	C3H3NS	70.95	2.6680	1.8530
ACROLEIN	C3H4O	66.83	2.3434	2.1240