

Supporting Material

Table 1S

Mole fraction (x_1), density (ρ), sound velocity (u), viscosity (η), refractive index (n_D), excess molar volumes (V_m^E), deviation in isentropic Compressibility ($\Delta\kappa_s$), deviation in viscosity ($\Delta\eta$), and deviation in refractive index (Δn_D) for the binary mixture of acetophenone with [BMIM]⁺[BF₄]⁻ or [BMIM]⁺[PF₆]⁻ or [EMIM]⁺[BF₄]⁻ or [EMIM]⁺[EtSO₄]⁻ at (293.15, 303.15, 313.15, 323.15 and 333.15) K and at pressure $p = 0.1$ MPa.

x_1	$\rho/\text{g}\cdot\text{cm}^{-3}$	$u/\text{m}\cdot\text{s}^{-1}$	$\eta/\text{mPa}\cdot\text{s}$	n_D	$V_m^E/\text{cm}^3\text{mol}^{-1}$	$\Delta\kappa_s/\text{TPa}^{-1}$	$\Delta\eta/\text{mPa}\cdot\text{s}$	Δn_D
{[BMIM] ⁺ [BF ₄] ⁻ (x_1) + acetophenone (x_2)}								
$T = 293.15$ K								
0.0000	1.02789	1497	1.91	1.533	0.000	00000	0.000	0.0000
0.0484	1.03478	1506	7.00	1.526	0.755	16482	-1.275	-0.0020
0.0974	1.04295	1513	11.77	1.518	1.320	26452	-2.948	-0.0043
0.1946	1.05663	1524	22.32	1.501	2.572	41628	-5.162	-0.0103
0.2935	1.07013	1533	26.01	1.488	3.691	49673	-14.469	-0.0132
0.3921	1.08464	1542	29.49	1.475	4.457	56572	-23.943	-0.0145
0.4936	1.10127	1551	34.38	1.464	4.794	59273	-32.389	-0.0143
0.6024	1.12268	1561	41.70	1.454	4.383	57523	-39.366	-0.0129
0.6940	1.14033	1568	42.42	1.447	3.882	53135	-50.687	-0.0097
0.7954	1.15977	1572	43.58	1.442	3.127	40687	-62.838	-0.0038
0.8999	1.18422	1578	55.66	1.437	1.451	22891	-64.488	0.0025
0.9487	1.19404	1578	78.88	1.432	0.836	12038	-47.696	0.0036
1.0000	1.20524	1579	133.31	1.423	0.000	00000	0.000	0.0000
$T = 303.15$ K								
0.0000	1.01917	1460	1.65	1.528	0.000	00000	0.000	0.0000
0.0484	1.02607	1469	5.00	1.522	0.777	14622	-0.319	-0.0012
0.0974	1.03423	1477	8.04	1.514	1.362	25712	-1.002	-0.0033
0.1946	1.04791	1489	11.65	1.498	2.656	39691	-4.756	-0.0094
0.2935	1.06141	1500	13.72	1.484	3.814	49081	-10.184	-0.0127
0.3921	1.07593	1510	16.94	1.472	4.615	55348	-14.440	-0.0139
0.4936	1.09255	1520	21.29	1.461	4.981	58753	-17.785	-0.0136
0.6024	1.11397	1531	25.87	1.451	4.589	56119	-21.453	-0.0118
0.6940	1.13161	1539	28.63	1.444	4.102	51380	-25.638	-0.0090
0.7954	1.15106	1544	30.80	1.439	3.360	38259	-31.156	-0.0033
0.8999	1.17550	1551	38.61	1.434	1.685	19729	-31.267	0.0031
0.9487	1.18532	1552	50.37	1.430	1.073	9890	-23.210	0.0038
1.0000	1.19804	1555	77.46	1.421	0.000	0000	0.000	0.0000
$T = 313.15$ K								
0.0000	1.01043	1423	1.37	1.523	0.000	00000	0.000	0.0000
0.0484	1.01733	1432	3.65	1.518	0.801	12573	-0.029	-0.0007
0.0974	1.02549	1441	5.67	1.510	1.407	23127	-0.346	-0.0026
0.1946	1.03917	1455	7.13	1.494	2.745	38972	-3.517	-0.0088
0.2935	1.05380	1467	8.33	1.480	3.792	46403	-7.039	-0.0124

0.3921	1.06719	1477	9.85	1.469	4.783	53696	-10.213	-0.0130
0.4936	1.08381	1488	10.79	1.459	5.180	55918	-14.119	-0.0125
0.6024	1.10523	1501	11.83	1.449	4.809	54955	-18.261	-0.0110
0.6940	1.12287	1510	16.90	1.442	4.339	49014	-17.565	-0.0079
0.7954	1.14232	1516	18.98	1.437	3.613	35020	-20.317	-0.0021
0.8999	1.16676	1524	21.57	1.432	1.941	15285	-22.713	0.0034
0.9487	1.17658	1527	30.48	1.427	1.333	8799	-16.127	0.0037
1.0000	1.19092	1532	49.05	1.418	0.000	0000	0.000	0.0000
$T = 323.15 \text{ K}$								
0.0000	1.00167	1387	1.17	1.519	0.000	00000	0.000	0.0000
0.0484	1.00865	1396	2.80	1.513	0.816	10900	0.093	-0.0006
0.0974	1.01673	1406	3.81	1.506	1.454	21532	-0.454	-0.0024
0.1946	1.03041	1421	4.79	1.491	2.839	36294.2	-2.567	-0.0078
0.2935	1.04504	1433	5.43	1.476	3.929	43176	-5.069	-0.0118
0.3921	1.05843	1445	6.54	1.466	4.961	50440	-7.095	-0.0120
0.4936	1.07505	1458	7.62	1.456	5.392	53960	-9.245	-0.0118
0.6024	1.09646	1472	9.74	1.446	5.045	52477	-10.587	-0.0100
0.6940	1.11411	1482	12.22	1.440	4.592	47193	-11.022	-0.0071
0.7954	1.13356	1489	13.65	1.435	3.884	32931	-12.809	-0.0012
0.8999	1.15797	1498	15.40	1.429	2.222	13208	-14.390	0.0036
0.9487	1.16779	1501	20.37	1.425	1.619	4659	-10.974	0.0042
1.0000	1.18387	1509	32.97	1.415	0.000	00000	0.000	0.0000
$T = 333.15 \text{ K}$								
0.0000	0.99281	1352	1.02	1.514	0.000	0.0	0.000	0.0000
0.0484	0.99970	1361	2.22	1.508	0.854	9474	0.124	-0.0004
0.0974	1.00787	1370	3.23	1.502	1.506	18307	0.035	-0.0021
0.1946	1.02549	1390	4.54	1.487	2.412	34822	-0.812	-0.0069
0.2935	1.03617	1401	4.82	1.474	4.077	40383	-2.741	-0.0105
0.3921	1.04957	1413	5.66	1.463	5.156	47161	-4.096	-0.0116
0.4936	1.06619	1427	6.22	1.453	5.623	50190	-5.802	-0.0107
0.6024	1.08760	1443	6.73	1.444	5.303	50738	-7.715	-0.0089
0.6940	1.10525	1454	9.21	1.438	4.872	45314	-7.270	-0.0061
0.7954	1.12470	1462	10.25	1.433	4.184	28044	-8.497	-0.0004
0.8999	1.14914	1472	11.48	1.427	2.525	10415	-9.590	0.0041
0.9487	1.15896	1477	12.85	1.422	1.929	4453	-9.309	0.0045
1.0000	1.17689	1487	23.30	1.413	0.000	0.0	0.000	0.0000
{[BMIM] ⁺ [PF ₆] ⁻ (x ₁) + acetophenone (x ₂)}								
$T = 293.15 \text{ K}$								
0.0000	1.02789	1497	1.91	1.533	0.000	00000	0.000	0.0000
0.0500	1.05497	1510	8.38	1.526	0.258	-10397	-8.116	-0.0068
0.0998	1.08062	1523	16.17	1.518	0.428	-14397	-14.840	-0.0132
0.2001	1.11990	1545	28.17	1.502	1.626	-10469	-32.087	-0.0251
0.3030	1.15002	1565	35.57	1.486	3.425	6873	-54.677	-0.0326
0.4001	1.17490	1583	49.32	1.473	5.075	27359	-69.216	-0.0361
0.5027	1.19969	1598	59.76	1.461	6.569	42027	-88.713	-0.0360
0.6092	1.23012	1615	73.27	1.450	6.968	50806	-106.25	-0.0325
0.7001	1.25693	1626	80.80	1.444	6.800	51349	-125.21	-0.0268
0.8017	1.28984	1636	88.37	1.437	5.770	42482	-147.27	-0.0191
0.9087	1.32901	1646	128.92	1.429	3.556	25842	-137.91	-0.0095
0.9496	1.34582	1649	176.23	1.424	2.314	14836	-102.51	-0.0055
1.0000	1.37116	1655	293.44	1.411	0.000	00000	0.000	0.0000
$T = 303.15 \text{ K}$								
0.0000	1.01917	1460	1.65	1.528	0.000	00000	0.000	0.0000
0.0500	1.04625	1473	4.64	1.521	0.258	-10397	-5.033	-0.0013
0.0998	1.07191	1486	7.66	1.512	0.428	-14398	-9.996	-0.0037
0.2001	1.11118	1509	14.34	1.497	1.642	-10470	-19.409	-0.0074
0.3030	1.14130	1529	18.50	1.481	3.469	6873	-31.745	-0.0104

0.4001	1.16619	1547	22.93	1.468	5.146	27360	-42.875	-0.0121
0.5027	1.19098	1565	32.38	1.456	6.665	42027	-49.894	-0.0120
0.6092	1.22141	1583	40.88	1.445	7.076	50806	-58.465	-0.0100
0.7001	1.24821	1596	45.05	1.439	6.911	51350	-68.870	-0.0054
0.8017	1.28112	1607	48.50	1.432	5.875	42482	-81.711	0.0001
0.9087	1.32030	1617	67.92	1.424	3.641	25843	-79.459	0.0051
0.9496	1.33710	1622	88.86	1.419	2.387	14837	-65.067	0.0049
1.0000	1.36277	1630	162.01	1.408	0.000	00000	0.000	0.0000
$T = 313.15 \text{ K}$								
0.0000	1.01043	1423	1.37	1.523	0.000	00000	0.000	0.0000
0.0500	1.03751	1435	3.57	1.517	0.258	-11280	-2.610	-0.0009
0.0998	1.06317	1449	5.62	1.508	0.428	-16335	-5.339	-0.0033
0.2001	1.10244	1473	8.03	1.493	1.660	-12460	-12.556	-0.0068
0.3030	1.13256	1494	12.30	1.478	3.516	257	-18.161	-0.0096
0.4001	1.15745	1514	16.51	1.465	5.221	18487	-23.266	-0.0114
0.5027	1.18224	1532	21.57	1.453	6.768	34816	-28.060	-0.0115
0.6092	1.21267	1551	28.28	1.443	7.190	45953	-31.576	-0.0086
0.7001	1.23947	1566	32.30	1.437	7.030	48472	-36.284	-0.0040
0.8017	1.27238	1578	35.02	1.430	5.988	38103	-43.311	0.0008
0.9087	1.31145	1592	45.80	1.422	3.751	18026	-42.808	0.0061
0.9496	1.32826	1598	62.26	1.417	2.485	10634	-30.266	0.0058
1.0000	1.35439	1608	97.37	1.406	0.000	00000	0.000	0.0000
$T = 323.15 \text{ K}$								
0.0000	1.00167	1387	1.17	1.519	0.000	00000	0.000	0.0000
0.0500	1.02875	1399	1.89	1.512	0.259	-15026	-2.345	-0.0007
0.0998	1.05441	1413	4.34	1.505	0.429	-20912	-2.955	-0.0020
0.2001	1.09368	1436	6.00	1.489	1.680	-16766	-7.439	-0.0060
0.3030	1.12380	1458	8.01	1.474	3.567	-4602	-11.747	-0.0090
0.4001	1.14869	1479	11.57	1.462	5.303	13911	-14.135	-0.0103
0.5027	1.17348	1499	15.22	1.450	6.879	29139	-16.786	-0.0103
0.6092	1.20390	1521	20.06	1.441	7.316	38828	-18.469	-0.0076
0.7001	1.23071	1537	23.24	1.435	7.161	40828	-20.872	-0.0027
0.8017	1.26362	1549	26.47	1.428	6.115	30012	-23.865	0.0022
0.9087	1.30280	1564	30.22	1.421	3.843	15242	-26.686	0.0070
0.9496	1.31960	1571	40.99	1.416	2.566	8641	-18.418	0.0067
1.0000	1.3460	1585	62.50	1.403	0.000	0000	0.000	0.0000
$T = 333.15 \text{ K}$								
0.0000	0.99281	1352	1.09	1.514	0.000	0	0.000	0.0000
0.0500	1.01989	1364	1.62	1.508	0.261	-16190	-1.529	-0.0005
0.0998	1.04555	1378	3.48	1.501	0.433	-23180	-1.726	-0.0016
0.2001	1.08482	1400	4.67	1.486	1.706	-25118	-4.667	-0.0049
0.3030	1.11494	1424	8.28	1.471	3.629	-13124	-5.290	-0.0085
0.4001	1.13983	1446	9.34	1.459	5.398	4726	-8.229	-0.0094
0.5027	1.16462	1467	10.24	1.447	7.007	21141	-11.559	-0.0093
0.6092	1.19504	1490	14.21	1.438	7.461	34028	-11.975	-0.0066
0.7001	1.22185	1506	17.72	1.433	7.315	35279	-12.215	-0.0017
0.8017	1.25476	1522	18.62	1.426	6.267	21170	-15.495	0.0036
0.9087	1.29394	1539	20.25	1.419	3.980	5526	-18.281	0.0079
0.9496	1.31074	1546	27.58	1.414	2.691	932	-12.633	0.0074
1.0000	1.33785	1563	42.29	1.400	0.000	0	0.000	0.0000
{[EMIM] ⁺ [BF ₄] ⁻ (x ₁) + acetophenone (x ₂)}								
$T = 293.15 \text{ K}$								
0.0000	1.02789	1497	1.91	1.533	0.000	0000	0.000	0.0000
0.0502	1.04770	1509	2.45	1.527	-0.362	-1778	-1.508	-0.0002
0.1082	1.06799	1522	3.20	1.519	-0.557	-1595	-3.122	-0.0009
0.1993	1.09598	1543	4.74	1.507	-0.579	8744	-5.294	-0.0027
0.2995	1.12005	1564	6.79	1.492	-0.028	29049	-7.328	-0.0054

0.4021	1.13975	1583	8.73	1.478	0.918	50352	-9.565	-0.0073
0.5011	1.15725	1598	12.34	1.466	1.859	65623	-10.990	-0.0076
0.5997	1.17148	1608	16.03	1.456	3.043	73246	-12.320	-0.0053
0.7001	1.19010	1618	19.74	1.449	3.618	75413	-14.698	-0.0011
0.8050	1.21194	1628	21.73	1.440	3.779	70544	-16.978	0.0025
0.9060	1.24070	1638	25.54	1.429	2.837	54035	-14.792	0.0035
0.9584	1.26160	1640	32.13	1.421	1.560	27558	-8.840	0.0017
1.0000	1.28258	1642	42.66	1.414	0.000	00000	0.000	0.0000
$T = 303.15 \text{ K}$								
0.0000	1.01917	1460	1.65	1.528	0.000	0000	0.000	0.0000
0.0502	1.03899	1471	2.03	1.522	-0.364	-5932	-0.950	-0.0001
0.1082	1.05924	1485	2.56	1.515	-0.554	-4524	-1.959	-0.0009
0.1993	1.08726	1507	3.61	1.503	-0.571	5598	-3.327	-0.0022
0.2995	1.10756	1528	4.97	1.488	0.440	26682	-4.622	-0.0051
0.4021	1.12727	1546	6.53	1.474	1.422	44043	-5.782	-0.0069
0.5011	1.14476	1561	8.85	1.463	2.398	55531	-7.096	-0.0067
0.5997	1.15899	1571	11.03	1.454	3.624	59406	-7.524	-0.0047
0.7001	1.17762	1581	12.90	1.446	4.229	57428	-8.313	0.0000
0.8050	1.19946	1591	14.27	1.437	4.412	48875	-9.727	0.0028
0.9060	1.22821	1601	16.90	1.426	3.470	29125	-8.783	0.0040
0.9584	1.24911	1608	21.22	1.419	2.178	14173	-5.846	0.0022
1.0000	1.27496	1618	28.17	1.412	0.000	00000	0.000	0.0000
$T = 313.15 \text{ K}$								
0.0000	1.01043	1423	1.37	1.523	0.000	0000	0.000	0.0000
0.0502	1.03025	1435	1.68	1.518	-0.366	-7132	-0.634	0.0000
0.1082	1.05050	1449	2.09	1.510	-0.554	-7349	-1.307	-0.0006
0.1993	1.07852	1472	3.09	1.498	-0.560	2677	-2.007	-0.0023
0.2995	1.09882	1491	3.84	1.484	0.479	17413	-3.125	-0.0048
0.4021	1.11853	1511	5.23	1.471	1.490	33796	-3.650	-0.0065
0.5011	1.13602	1527	6.02	1.460	2.496	46316	-4.717	-0.0060
0.5997	1.15025	1538	8.15	1.451	3.755	50140	-5.421	-0.0040
0.7001	1.16888	1550	9.45	1.443	4.385	47844	-6.001	0.0000
0.8050	1.19072	1560	10.91	1.435	4.588	35788	-6.495	0.0034
0.9060	1.21947	1572	12.35	1.424	3.649	18108	-5.949	0.0043
0.9584	1.24037	1581	15.35	1.416	2.349	8447	-3.921	0.0027
1.0000	1.26742	1595	20.05	1.409	0.000	0000	0.000	0.0000
$T = 323.15 \text{ K}$								
0.0000	1.00167	1387	1.17	1.519	0.000	00000	0.000	0.0000
0.0502	1.02149	1398	1.42	1.513	-0.368	-11030	-0.438	-0.0001
0.1082	1.04174	1413	1.76	1.506	-0.552	-10086	-0.900	-0.0002
0.1993	1.06976	1437	2.36	1.495	-0.547	510	-1.550	-0.0016
0.2995	1.09006	1457	3.10	1.481	0.522	13762	-2.189	-0.0043
0.4021	1.10976	1477	4.14	1.468	1.565	26509	-2.563	-0.0058
0.5011	1.12726	1493	4.73	1.457	2.602	36049	-3.334	-0.0056
0.5997	1.14149	1506	6.29	1.448	3.897	41162	-4.129	-0.0034
0.7001	1.16012	1519	7.25	1.441	4.553	37638	-4.551	0.0005
0.8050	1.18195	1530	8.09	1.432	4.777	27378	-5.158	0.0041
0.9060	1.21071	1544	9.43	1.422	3.844	11686	-4.210	0.0048
0.9584	1.23161	1555	11.61	1.414	2.534	3851	-2.748	0.0031
1.0000	1.25995	1572	14.93	1.407	0.000	0000	0.000	0.0000
$T = 333.15 \text{ K}$								
0.0000	0.99281	1352	1.09	1.514	0.000	00000	0.000	0.0000
0.0502	1.01263	1363	1.23	1.508	-0.368	-12069	-0.382	0.0003
0.1082	1.03288	1377	1.52	1.502	-0.548	-15315	-0.701	0.0000
0.1993	1.06090	1400	2.00	1.490	-0.531	-9986	-1.168	-0.0017
0.2995	1.08119	1422	2.58	1.477	0.573	4959	-1.636	-0.0041
0.4021	1.10090	1442	3.39	1.464	1.650	17186	-1.897	-0.0053
0.5011	1.11840	1462	3.49	1.454	2.721	31524	-1.837	-0.0052

0.5997	1.13262	1476	5.03	1.446	4.055	36738	-2.321	-0.0025
0.7001	1.15125	1490	5.77	1.438	4.740	34074	-2.333	0.0009
0.8050	1.17049	1502	7.18	1.430	5.335	24021	-2.320	0.0046
0.9060	1.20185	1520	7.45	1.419	4.063	10935	-2.100	0.0050
0.9584	1.22275	1531	9.09	1.412	2.746	2059	-1.009	0.0034
1.0000	1.25254	1550	11.53	1.404	0.000	0000	0.000	0.0000

{[EMIM]⁺[EtSO₄]⁻ (x₁) + acetophenone (x₂)}

T = 293.15 K

0.0000	1.02789	1497	1.91	1.533	0.000	0000	0.000	0.0000
0.0498	1.04541	1511	3.04	1.531	-0.118	-1526	-3.648	0.0012
0.1001	1.06234	1526	3.67	1.528	-0.250	-2902	-7.856	0.0008
0.2027	1.09354	1552	4.30	1.521	-0.480	-5298	-17.085	-0.0017
0.3079	1.12399	1577	6.86	1.513	-0.948	-10686	-24.622	-0.0036
0.4001	1.14798	1596	10.10	1.507	-1.337	-15968	-30.246	-0.0044
0.4994	1.16990	1615	14.88	1.502	-1.543	-18696	-34.988	-0.0047
0.5998	1.18857	1634	22.57	1.497	-1.549	-17308	-36.946	-0.0045
0.6992	1.20158	1652	30.24	1.493	-1.020	-6170	-38.825	-0.0033
0.8000	1.21009	1669	40.28	1.490	0.021	8983	-38.463	-0.0008
0.9003	1.21901	1684	55.87	1.487	0.593	19803	-32.511	0.0016
0.9495	1.22777	1691	68.31	1.485	0.573	16503	-24.804	0.0019
1.0000	1.23816	1695	97.96	1.480	0.000	00000	0.000	0.0000

T = 303.15 K

0.0000	1.01917	1460	1.65	1.528	0.000	0000	0.000	0.0000
0.0498	1.03670	1474	2.48	1.527	-0.101	-2741	-2.081	0.0014
0.1001	1.05363	1489	2.88	1.524	-0.231	-4453	-4.633	0.0011
0.2027	1.08483	1516	5.31	1.517	-0.437	-7745	-8.211	-0.0013
0.3079	1.11528	1542	6.60	1.509	-0.885	-13120	-13.082	-0.0031
0.4001	1.13927	1562	8.39	1.504	-1.254	-18287	-16.686	-0.0042
0.4994	1.16119	1583	11.85	1.499	-1.434	-21297	-19.034	-0.0043
0.5998	1.17986	1602	16.37	1.494	-1.410	-20406	-20.395	-0.0042
0.6992	1.19269	1621	21.33	1.490	-0.818	-9653	-21.263	-0.0028
0.8000	1.20138	1640	27.09	1.487	0.244	6992	-21.403	-0.0005
0.9003	1.21030	1656	35.33	1.484	1.137	17007	-19.027	0.0017
0.9495	1.21906	1663	43.94	1.482	0.850	12129	-13.308	0.0022
1.0000	1.23127	1670	60.20	1.478	0.000	00000	0.000	0.0000

T = 313.15 K

0.0000	1.01043	1423	1.37	1.523	0.000	0000	0.000	0.0000
0.0498	1.02796	1438	2.00	1.523	-0.090	-3650	-1.292	0.0016
0.1001	1.04489	1453	3.32	1.520	-0.209	-4951	-1.905	0.0014
0.2027	1.07609	1481	4.64	1.513	-0.391	-10023	-4.530	-0.0009
0.3079	1.10654	1507	5.65	1.506	-0.815	-15624	-7.572	-0.0028
0.4001	1.13053	1529	7.20	1.500	-1.162	-20686	-9.570	-0.0039
0.4994	1.15245	1550	9.80	1.495	-1.314	-23976	-10.786	-0.0042
0.5998	1.17112	1571	11.89	1.491	-1.258	-23569	-12.564	-0.0037
0.6992	1.18413	1591	14.50	1.487	-0.651	-13852	-13.786	-0.0025
0.8000	1.19264	1610	17.96	1.484	0.486	2769	-14.197	-0.0001
0.9003	1.20156	1628	23.95	1.482	1.425	14179	-12.064	0.0019
0.9495	1.21032	1637	28.98	1.479	1.150	11416	-8.933	0.0020
1.0000	1.22446	1646	39.86	1.475	0.000	0000	0.000	0.0000

T = 323.15 K

0.0000	1.00167	1387	1.17	1.519	0.000	0000	0.000	0.0000
0.0498	1.01919	1402	1.68	1.518	-0.079	-5093	-0.815	0.0017
0.1001	1.03613	1417	1.94	1.516	-0.186	-7376	-1.907	0.0018
0.2027	1.06733	1446	2.19	1.509	-0.341	-10766	-4.394	-0.0004
0.3079	1.09778	1473	3.41	1.502	-0.740	-18122	-5.977	-0.0024
0.4001	1.12177	1496	5.80	1.497	-1.064	-23095	-6.053	-0.0034
0.4994	1.14368	1518	7.99	1.492	-1.186	-26664	-6.515	-0.0038

0.5998	1.16236	1540	9.33	1.487	-1.095	-26730	-7.853	-0.0033
0.6992	1.17537	1561	10.72	1.484	-0.445	-17691	-9.125	-0.0021
0.8000	1.18387	1581	13.12	1.482	0.743	-2477	-9.416	0.0001
0.9003	1.19279	1601	17.14	1.479	1.731	11389	-8.075	0.0021
0.9495	1.20156	1611	20.59	1.477	1.469	8840	-5.940	0.0021
1.0000	1.21770	1623	27.88	1.472	0.000	0000	0.000	0.0000
<i>T</i> = 333.15 K								
0.0000	0.99281	1352	1.02	1.514	0.000	0000	0.000	0.0000
0.0498	1.01033	1365	1.46	1.514	-0.066	-6382	-0.522	0.0021
0.1001	1.02727	1379	1.66	1.511	-0.159	-7237	-1.298	0.0020
0.2027	1.05847	1404	1.86	1.505	-0.285	-11938	-3.084	-0.0002
0.3079	1.08892	1428	3.57	1.498	-0.656	-19682	-3.402	-0.0021
0.4001	1.11291	1448	4.86	1.493	-0.952	-25076	-3.893	-0.0034
0.4994	1.13482	1467	6.76	1.488	-1.041	-28632	-3.915	-0.0035
0.5998	1.15350	1485	8.27	1.484	-0.913	-28786	-4.353	-0.0029
0.6992	1.16650	1503	9.62	1.481	-0.216	-20419	-4.919	-0.0017
0.8000	1.17501	1521	11.90	1.479	1.028	-6237	-4.595	0.0003
0.9003	1.18393	1538	14.22	1.476	2.068	6566	-4.212	0.0023
0.9495	1.19265	1548	16.22	1.474	1.828	8817	-3.165	0.0023
1.0000	1.21100	1560	20.36	1.470	0.000	0000	0.000	0.0000
