

SUPPLEMENTARY MATERIAL TO

Influence of temperature on thermodynamics for binary mixtures of short aliphatic protic ionic liquids

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TABLE S-I. Densities (ρ), ultrasonic velocities (u), isentropic compressibilities (κ_S), excess molar volume (V^E), change of isentropic compressibility ($\delta\kappa_S$), specific acoustic impedance (Z), isobaric expansibilities (α), intermolecular free length (L_f), geometrical volume (B), and collision factor (S) for 2-hydroxy triethylammonium propionate (2-HTEAPr) and its mixtures with 2-hydroxy ethylammonium formate (2-HEAF) and 2-hydroxy diethylammonium acetate (2-HDEAA) at 288.15 – 323.15 K.

2-HEAF (1) + 2-HTEAPr (2)									
x_1	$\rho / \text{g cm}^{-3}$	$u / \text{m s}^{-1}$	$\kappa_S / \text{TPa}^{-1}$	$V^E / \text{cm}^3 \text{mol}^{-1}$	$\delta\kappa_S / \text{TPa}^{-1}$	$Z \times 10^{-3} / \text{kg m}^{-2} \text{s}^{-1}$	$L_f / \text{Å}$	$B / \text{cm}^3 \text{mol}^{-1}$	$S \times 10^6$
T = 338.15 K									
1.0000	1.1727	1716.70	289.35	0.0000	0.00	2013.17	9.348	87.103	4.500
0.8864	1.1617	1697.41	298.77	-0.2503	-2.16	1971.88	9.634	98.946	4.441
0.5960	1.1424	1632.74	328.36	-0.8609	-2.15	1865.24	10.356	129.250	4.258
0.5030	1.1359	1610.43	339.45	-0.7910	-0.53	1829.29	10.620	139.210	4.197
0.3960	1.1294	1588.62	350.84	-0.7002	-0.04	1794.19	10.891	150.692	4.137
0.3014	1.1243	1569.18	361.22	-0.6022	0.70	1764.23	11.126	160.861	4.083
0.1919	1.1189	1550.73	371.65	-0.4502	-0.02	1735.11	11.367	172.685	4.032
0.0577	1.1125	1527.35	385.32	-0.1408	-0.02	1699.18	11.674	187.294	3.969
0.0000	1.1100	1517.49	391.22	0.0000	0.00	1684.41	11.803	193.583	3.942
T = 337.15 K									
1.0000	1.1728	1717.38	289.10	0.0000	0.00	2014.14	9.326	87.102	4.502
0.8864	1.1621	1699.26	298.01	-0.2647	-2.49	1974.71	9.600	98.922	4.446
0.5960	1.1431	1645.61	323.04	-0.8876	-2.61	1881.10	10.245	129.216	4.290
0.5030	1.1366	1613.39	338.00	-0.8135	-1.00	1833.78	10.570	139.141	4.204
0.3960	1.1302	1591.66	349.26	-0.7317	-0.48	1798.89	10.836	150.604	4.144
0.3014	1.1251	1572.25	359.56	-0.6304	0.32	1768.94	11.069	160.766	4.091
0.1919	1.1197	1553.79	369.92	-0.4746	-0.30	1739.78	11.309	172.583	4.040
0.0577	1.1132	1530.46	383.52	-0.1433	-0.18	1703.71	11.616	187.199	3.976
0.0000	1.1107	1520.38	389.49	0.0000	0.00	1688.69	11.746	193.484	3.949

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x_1	ρ / gcm^{-3}	$u / \text{m s}^{-1}$	$\kappa_s / \text{TPa}^{-1}$	$V^E / \text{cm}^3 \text{mol}^{-1}$	$\delta\kappa_s / \text{TPa}^{-1}$	$Z \times 10^{-3} / \text{kg m}^{-2} \text{s}^{-1}$	$L_f / \text{Å}$	$B / \text{cm}^3 \text{mol}^{-1}$	$S \times 10^6$
T = 336.15 K									
1.0000	1.1730	1718.32	288.73	0.0000	0.00	2015.59	9.302	87.095	4.504
0.8864	1.1626	1701.23	297.20	-0.2789	-2.77	1977.85	9.565	98.890	4.450
0.5960	1.1438	1638.57	325.63	-0.9024	-3.05	1874.20	10.259	129.123	4.272
0.5030	1.1374	1616.44	336.49	-0.8358	-1.38	1838.54	10.517	139.060	4.212
0.3960	1.1309	1594.79	347.67	-0.7352	-0.78	1803.55	10.783	150.529	4.152
0.3014	1.1259	1575.38	357.87	-0.6435	0.07	1773.72	11.013	160.672	4.099
0.1919	1.1205	1556.97	368.15	-0.4828	-0.47	1744.58	11.251	172.481	4.048
0.0577	1.1140	1533.63	381.66	-0.1457	-0.24	1708.46	11.556	187.087	3.984
0.0000	1.1115	1523.54	387.60	0.0000	0.00	1693.41	11.685	193.368	3.957
T = 335.15 K									
1.0000	1.1734	1719.63	288.19	0.0000	0.00	2017.81	9.273	87.073	4.507
0.8864	1.1631	1703.33	296.34	-0.2794	-2.93	1981.14	9.528	98.858	4.455
0.5960	1.1445	1641.56	324.24	-0.9078	-3.35	1878.77	10.211	129.060	4.280
0.5030	1.1381	1619.51	335.01	-0.8374	-1.65	1843.16	10.466	138.991	4.219
0.3960	1.1317	1597.93	346.06	-0.7464	-1.03	1808.38	10.728	150.441	4.159
0.3014	1.1267	1578.54	356.19	-0.6519	-0.13	1778.54	10.957	160.577	4.106
0.1919	1.1213	1560.15	366.39	-0.4881	-0.60	1749.40	11.193	172.379	4.055
0.0577	1.1148	1536.84	379.79	-0.1473	-0.29	1713.27	11.495	186.975	3.992
0.0000	1.1123	1526.72	385.71	0.0000	0.00	1698.17	11.624	193.252	3.964
T = 334.15 K									
1.0000	1.1738	1720.98	287.64	0.0000	0.00	2020.09	9.244	87.051	4.510
0.8864	1.1637	1705.45	295.45	-0.2888	-3.12	1984.63	9.490	98.818	4.460
0.5960	1.1452	1644.60	322.85	-0.9133	-3.64	1883.40	10.162	128.997	4.287
0.5030	1.1388	1622.61	333.52	-0.8391	-1.91	1847.83	10.416	138.923	4.227
0.3960	1.1325	1601.12	344.44	-0.7576	-1.28	1813.27	10.673	150.353	4.167
0.3014	1.1274	1581.75	354.52	-0.6455	-0.30	1783.26	10.902	160.498	4.114
0.1919	1.1221	1563.38	364.62	-0.4933	-0.73	1754.27	11.135	172.277	4.063
0.0577	1.1157	1540.04	377.91	-0.1663	-0.35	1718.22	11.433	186.847	4.000
0.0000	1.1131	1529.95	383.81	0.0000	0.00	1702.99	11.563	193.137	3.972
T = 333.15 K									
1.0000	1.1741	1722.34	287.12	0.0000	0.00	2022.20	9.216	87.037	4.513
0.8864	1.1642	1707.57	294.59	-0.2962	-3.30	1987.95	9.454	98.786	4.465
0.5960	1.1459	1647.62	321.47	-0.9233	-3.94	1888.01	10.114	128.934	4.294
0.5030	1.1396	1625.71	332.02	-0.8574	-2.21	1852.66	10.364	138.843	4.234
0.3960	1.1332	1604.33	342.85	-0.7581	-1.52	1818.03	10.621	150.279	4.175
0.3014	1.1282	1584.92	352.86	-0.6562	-0.48	1788.11	10.846	160.403	4.122
0.1919	1.1229	1566.60	362.86	-0.5000	-0.86	1759.14	11.077	172.175	4.071
0.0577	1.1165	1543.31	376.04	-0.1683	-0.40	1723.11	11.373	186.736	4.008
0.0000	1.1139	1533.19	381.91	0.0000	0.00	1707.82	11.502	193.021	3.980
T = 332.15 K									
1.0000	1.1745	1723.74	286.55	0.0000	0.00	2024.53	9.186	87.016	4.516
0.8864	1.1648	1709.69	293.71	-0.3055	-3.46	1991.45	9.417	98.746	4.471
0.5960	1.1466	1650.66	320.09	-0.9288	-4.22	1892.65	10.065	128.871	4.302
0.5030	1.1403	1628.82	330.55	-0.8591	-2.46	1857.34	10.313	138.774	4.242
0.3960	1.1340	1607.52	341.25	-0.7692	-1.76	1822.93	10.567	150.192	4.183
0.3014	1.1290	1588.16	351.17	-0.6646	-0.68	1793.03	10.790	160.310	4.130
0.1919	1.1236	1569.87	361.13	-0.4893	-0.96	1763.91	11.021	172.089	4.079
0.0577	1.1173	1546.56	374.19	-0.1698	-0.44	1727.97	11.314	186.625	4.016
0.0000	1.1147	1536.44	380.02	0.0000	0.00	1712.67	11.442	192.906	3.988

x_1	ρ / gcm^{-3}	$u / \text{m s}^{-1}$	$\kappa_s / \text{TPa}^{-1}$	$V^E / \text{cm}^3 \text{mol}^{-1}$	$\delta\kappa_s / \text{TPa}^{-1}$	$Z \times 10^{-3} / \text{kg m}^{-2} \text{s}^{-1}$	$L_f / \text{\AA}$	$B / \text{cm}^3 \text{mol}^{-1}$	$S \times 10^6$
T = 331.15 K									
1.0000	1.1749	1725.16	285.98	0.0000	0.00	2026.89	9.157	86.994	4.519
0.8864	1.1653	1711.81	292.85	-0.3060	-3.60	1994.77	9.381	98.714	4.476
0.5960	1.1473	1653.74	318.70	-0.9342	-4.51	1897.34	10.017	128.808	4.309
0.5030	1.1410	1632.01	329.06	-0.8608	-2.73	1862.12	10.263	138.707	4.249
0.3960	1.1347	1610.75	339.67	-0.7666	-1.97	1827.72	10.514	150.118	4.191
0.3014	1.1298	1591.41	349.49	-0.6730	-0.88	1797.98	10.735	160.216	4.138
0.1919	1.1244	1573.17	359.36	-0.4945	-1.10	1768.87	10.964	171.988	4.087
0.0577	1.1181	1549.83	372.35	-0.1714	-0.48	1732.86	11.254	186.515	4.024
0.0000	1.1155	1539.70	378.14	0.0000	0.00	1717.54	11.381	192.791	3.996
T = 330.15 K									
1.0000	1.1753	1726.62	285.40	0.0000	0.00	2029.30	9.127	86.973	4.523
0.8864	1.1659	1713.96	291.97	-0.3153	-3.76	1998.31	9.343	98.674	4.481
0.5960	1.1480	1656.82	317.33	-0.9396	-4.79	1902.03	9.969	128.745	4.317
0.5030	1.1418	1635.21	327.54	-0.8751	-3.03	1867.08	10.211	138.627	4.257
0.3960	1.1355	1614.01	338.07	-0.7778	-2.22	1832.71	10.460	150.031	4.199
0.3014	1.1305	1594.68	347.84	-0.6666	-1.04	1802.79	10.681	160.137	4.146
0.1919	1.1252	1576.46	357.61	-0.4997	-1.23	1773.83	10.906	171.887	4.095
0.0577	1.1189	1553.14	370.50	-0.1729	-0.53	1737.81	11.195	186.404	4.032
0.0000	1.1163	1542.97	376.27	0.0000	0.00	1722.42	11.321	192.677	4.004
T = 329.15 K									
1.0000	1.1758	1728.11	284.79	0.0000	0.00	2031.91	9.096	86.944	4.526
0.8864	1.1664	1716.09	291.12	-0.3089	-3.85	2001.65	9.308	98.642	4.486
0.5960	1.1487	1659.94	315.94	-0.9404	-5.05	1906.77	9.921	128.683	4.324
0.5030	1.1425	1638.42	326.06	-0.8729	-3.27	1871.89	10.161	138.559	4.265
0.3960	1.1363	1617.29	336.46	-0.7858	-2.46	1837.73	10.406	149.944	4.207
0.3014	1.1313	1598.00	346.15	-0.6726	-1.24	1807.82	10.625	160.043	4.154
0.1919	1.1260	1579.77	355.86	-0.5035	-1.35	1778.82	10.849	171.786	4.103
0.0577	1.1197	1556.41	368.68	-0.1740	-0.55	1742.71	11.136	186.294	4.040
0.0000	1.1171	1546.26	374.41	0.0000	0.00	1727.33	11.262	192.562	4.012
T = 328.15 K									
1.0000	1.1762	1729.62	284.20	0.0000	0.00	2034.38	9.066	86.923	4.530
0.8864	1.1670	1718.25	290.24	-0.3183	-3.99	2005.20	9.270	98.602	4.491
0.5960	1.1494	1663.07	314.56	-0.9458	-5.33	1911.53	9.873	128.620	4.332
0.5030	1.1432	1641.62	324.59	-0.8745	-3.52	1876.70	10.111	138.491	4.273
0.3960	1.1370	1620.55	334.90	-0.7832	-2.66	1842.57	10.355	149.870	4.215
0.3014	1.1321	1601.32	344.48	-0.6809	-1.44	1812.85	10.570	159.950	4.162
0.1919	1.1268	1583.09	354.11	-0.5087	-1.48	1783.83	10.793	171.685	4.112
0.0577	1.1205	1559.75	366.84	-0.1755	-0.61	1747.70	11.078	186.183	4.048
0.0000	1.1179	1549.56	372.55	0.0000	0.00	1732.25	11.202	192.448	4.020
T = 327.15 K									
1.0000	1.1767	1731.19	283.56	0.0000	0.00	2037.09	9.034	86.895	4.534
0.8864	1.1676	1720.41	289.36	-0.3207	-4.09	2008.75	9.233	98.562	4.496
0.5960	1.1501	1666.22	313.18	-0.9466	-5.57	1916.32	9.826	128.558	4.340
0.5030	1.1440	1644.87	323.08	-0.8849	-3.78	1881.73	10.060	138.412	4.281
0.3960	1.1378	1623.86	333.30	-0.7912	-2.88	1847.63	10.301	149.783	4.223
0.3014	1.1329	1604.67	342.80	-0.6869	-1.63	1817.93	10.515	159.857	4.170
0.1919	1.1276	1586.44	352.37	-0.5124	-1.60	1788.87	10.736	171.585	4.120
0.0577	1.1213	1563.11	365.01	-0.1766	-0.65	1752.72	11.019	186.073	4.056
0.0000	1.1187	1552.89	370.68	0.0000	0.00	1737.22	11.143	192.333	4.028

x_1	ρ / gcm^{-3}	$u / \text{m s}^{-1}$	$\kappa_s / \text{TPa}^{-1}$	$V^E / \text{cm}^3 \text{mol}^{-1}$	$\delta\kappa_s / \text{TPa}^{-1}$	$Z \times 10^{-3} / \text{kg m}^{-2} \text{s}^{-1}$	$L_f / \text{\AA}$	$B / \text{cm}^3 \text{mol}^{-1}$	$S \times 10^6$
T = 326.15 K									
1.0000	1.1772	1732.78	282.92	0.0000	0.00	2039.83	9.003	86.866	4.537
0.8864	1.1681	1722.59	288.51	-0.3143	-4.17	2012.16	9.198	98.530	4.501
0.5960	1.1509	1669.38	311.78	-0.9591	-5.84	1921.29	9.777	128.484	4.347
0.5030	1.1447	1648.13	321.61	-0.8827	-4.01	1886.61	10.010	138.344	4.289
0.3960	1.1385	1627.18	331.74	-0.7856	-3.07	1852.54	10.250	149.710	4.231
0.3014	1.1336	1608.01	341.16	-0.6783	-1.77	1822.84	10.462	159.778	4.178
0.1919	1.1284	1589.82	350.62	-0.5161	-1.72	1793.95	10.679	171.484	4.128
0.0577	1.1221	1566.49	363.17	-0.1777	-0.70	1757.76	10.960	185.963	4.064
0.0000	1.1195	1556.24	368.83	0.0000	0.00	1742.21	11.084	192.219	4.037
T = 325.15 K									
1.0000	1.1777	1734.40	282.27	0.0000	0.00	2042.60	8.971	86.838	4.541
0.8864	1.1687	1724.76	287.63	-0.3168	-4.26	2015.73	9.161	98.490	4.507
0.5960	1.1516	1672.55	310.41	-0.9599	-6.08	1926.11	9.729	128.422	4.355
0.5030	1.1454	1651.40	320.14	-0.8805	-4.23	1891.51	9.961	138.277	4.297
0.3960	1.1393	1630.53	330.14	-0.7936	-3.28	1857.66	10.197	149.623	4.239
0.3014	1.1344	1611.40	339.49	-0.6842	-1.95	1827.97	10.407	159.685	4.187
0.1919	1.1291	1593.20	348.92	-0.5040	-1.79	1798.88	10.625	171.399	4.136
0.0577	1.1229	1569.90	361.34	-0.1787	-0.74	1762.84	10.902	185.854	4.073
0.0000	1.1203	1559.62	366.97	0.0000	0.00	1747.24	11.025	192.105	4.045
T = 324.15 K									
1.0000	1.1782	1736.05	281.62	0.0000	0.00	2045.41	8.939	86.810	4.545
0.8864	1.1693	1726.95	286.76	-0.3192	-4.34	2019.32	9.124	98.450	4.512
0.5960	1.1523	1675.74	309.04	-0.9607	-6.30	1930.96	9.682	128.360	4.363
0.5030	1.1462	1654.68	318.65	-0.8909	-4.47	1896.59	9.910	138.198	4.305
0.3960	1.1400	1633.91	328.58	-0.7879	-3.47	1862.66	10.145	149.550	4.247
0.3014	1.1352	1614.80	337.82	-0.6902	-2.12	1833.12	10.352	159.593	4.195
0.1919	1.1299	1596.63	347.18	-0.5077	-1.91	1804.03	10.569	171.299	4.145
0.0577	1.1237	1573.31	359.52	-0.1798	-0.78	1767.93	10.844	185.744	4.081
0.0000	1.1211	1563.02	365.11	0.0000	0.00	1752.30	10.966	191.992	4.053
T = 323.15 K									
1.0000	1.1787	1737.70	280.96	0.0000	0.00	2048.23	8.908	86.781	4.549
0.8864	1.1699	1729.14	285.88	-0.3217	-4.42	2022.92	9.087	98.410	4.517
0.5960	1.1530	1678.97	307.67	-0.9615	-6.54	1935.85	9.635	128.298	4.371
0.5030	1.1469	1658.01	317.18	-0.8887	-4.68	1901.57	9.861	138.131	4.313
0.3960	1.1408	1637.31	326.99	-0.7959	-3.68	1867.84	10.093	149.464	4.256
0.3014	1.1359	1618.23	336.19	-0.6816	-2.26	1838.15	10.300	159.514	4.203
0.1919	1.1307	1600.10	345.43	-0.5114	-2.03	1809.23	10.513	171.199	4.153
0.0577	1.1245	1576.76	357.69	-0.1809	-0.81	1773.07	10.786	185.635	4.090
0.0000	1.1219	1566.47	363.25	0.0000	0.00	1757.42	10.907	191.878	4.062
T = 322.15 K									
1.0000	1.1792	1739.39	280.30	0.0000	0.00	2051.09	8.876	86.753	4.553
0.8864	1.1705	1731.33	285.02	-0.3241	-4.49	2026.52	9.050	98.370	4.522
0.5960	1.1537	1682.19	306.31	-0.9623	-6.75	1940.74	9.588	128.236	4.379
0.5030	1.1476	1661.30	315.73	-0.8865	-4.87	1906.51	9.812	138.063	4.321
0.3960	1.1416	1640.74	325.39	-0.8039	-3.89	1873.07	10.040	149.378	4.264
0.3014	1.1367	1621.62	334.55	-0.6875	-2.41	1843.30	10.246	159.422	4.212
0.1919	1.1315	1603.51	343.72	-0.5150	-2.11	1814.37	10.457	171.099	4.162
0.0577	1.1253	1580.20	355.88	-0.1819	-0.83	1778.20	10.729	185.526	4.098
0.0000	1.1227	1569.92	361.39	0.0000	0.00	1762.55	10.849	191.765	4.070

x_1	ρ / gcm^{-3}	$u / \text{m s}^{-1}$	$\kappa_s / \text{TPa}^{-1}$	$V^E / \text{cm}^3 \text{mol}^{-1}$	$\delta\kappa_s / \text{TPa}^{-1}$	$Z \times 10^{-3} / \text{kg m}^{-2} \text{s}^{-1}$	$L_f / \text{\AA}$	$B / \text{cm}^3 \text{mol}^{-1}$	$S \times 10^6$
T = 321.15 K									
1.0000	1.1797	1741.08	279.63	0.0000	0.00	2053.95	8.844	86.725	4.557
0.8864	1.1711	1733.53	284.15	-0.3266	-4.57	2030.14	9.014	98.331	4.528
0.5960	1.1544	1685.42	304.95	-0.9631	-6.97	1945.65	9.541	128.174	4.386
0.5030	1.1484	1664.66	314.24	-0.8968	-5.11	1911.70	9.762	137.984	4.329
0.3960	1.1423	1644.18	323.83	-0.7983	-4.07	1878.15	9.989	149.305	4.272
0.3014	1.1375	1625.07	332.89	-0.6935	-2.57	1848.52	10.192	159.330	4.220
0.1919	1.1323	1607.00	341.98	-0.5187	-2.23	1819.61	10.401	170.999	4.170
0.0577	1.1261	1583.69	354.06	-0.1830	-0.87	1783.39	10.671	185.417	4.106
0.0000	1.1235	1573.39	359.55	0.0000	0.00	1767.70	10.791	191.652	4.079
T = 320.15 K									
1.0000	1.1803	1742.80	278.94	0.0000	0.00	2057.03	8.811	86.690	4.561
0.8864	1.1717	1735.72	283.29	-0.3222	-4.60	2033.74	8.978	98.291	4.533
0.5960	1.1551	1688.64	303.60	-0.9593	-7.16	1950.55	9.495	128.112	4.394
0.5030	1.1491	1668.03	312.78	-0.8907	-5.31	1916.73	9.713	137.918	4.337
0.3960	1.1430	1647.64	322.28	-0.7897	-4.23	1883.25	9.938	149.233	4.281
0.3014	1.1382	1628.57	331.26	-0.6826	-2.70	1853.64	10.140	159.252	4.229
0.1919	1.1331	1610.52	340.25	-0.5209	-2.33	1824.88	10.346	170.900	4.179
0.0577	1.1268	1587.19	352.29	-0.1666	-0.87	1788.45	10.616	185.324	4.115
0.0000	1.1243	1576.89	357.70	0.0000	0.00	1772.90	10.733	191.539	4.087
T = 319.15 K									
1.0000	1.1808	1744.53	278.27	0.0000	0.00	2059.94	8.780	86.662	4.565
0.8864	1.1723	1737.91	282.43	-0.3247	-4.66	2037.35	8.941	98.251	4.538
0.5960	1.1558	1691.90	302.25	-0.9601	-7.36	1955.50	9.449	128.050	4.402
0.5030	1.1498	1671.41	311.32	-0.8886	-5.51	1921.79	9.665	137.851	4.346
0.3960	1.1438	1651.12	320.70	-0.7976	-4.44	1888.55	9.886	149.147	4.289
0.3014	1.1390	1632.11	329.59	-0.6885	-2.88	1858.97	10.086	159.160	4.237
0.1919	1.1338	1614.07	338.55	-0.5089	-2.42	1830.03	10.292	170.816	4.187
0.0577	1.1276	1590.73	350.47	-0.1677	-0.91	1793.71	10.559	185.216	4.124
0.0000	1.1251	1580.40	355.86	0.0000	0.00	1778.11	10.675	191.426	4.096
T = 318.15 K									
1.0000	1.1814	1746.28	277.57	0.0000	0.00	2063.06	8.747	86.627	4.569
0.8864	1.1729	1740.11	281.57	-0.3203	-4.69	2040.98	8.905	98.211	4.543
0.5960	1.1565	1695.15	300.91	-0.9564	-7.54	1960.44	9.403	127.989	4.410
0.5030	1.1506	1674.83	309.84	-0.8950	-5.72	1927.06	9.615	137.772	4.354
0.3960	1.1446	1654.62	319.12	-0.8026	-4.62	1893.88	9.834	149.061	4.298
0.3014	1.1398	1635.67	327.93	-0.6921	-3.04	1864.34	10.032	159.068	4.246
0.1919	1.1346	1617.62	336.82	-0.5111	-2.52	1835.35	10.237	170.717	4.196
0.0577	1.1284	1594.30	348.66	-0.1683	-0.95	1799.01	10.502	185.107	4.132
0.0000	1.1259	1583.95	354.01	0.0000	0.00	1783.37	10.617	191.314	4.104
T = 317.15 K									
1.0000	1.1819	1748.04	276.90	0.0000	0.00	2066.01	8.715	86.599	4.573
0.8864	1.1735	1742.30	280.72	-0.3228	-4.73	2044.59	8.869	98.172	4.548
0.5960	1.1572	1698.41	299.58	-0.9572	-7.72	1965.40	9.357	127.927	4.418
0.5030	1.1513	1678.25	308.39	-0.8928	-5.91	1932.17	9.566	137.706	4.362
0.3960	1.1453	1658.15	317.57	-0.7970	-4.79	1899.08	9.784	148.989	4.306
0.3014	1.1405	1639.25	326.30	-0.6836	-3.17	1869.56	9.980	158.991	4.255
0.1919	1.1354	1621.20	335.10	-0.5148	-2.61	1840.71	10.182	170.618	4.205
0.0577	1.1292	1597.92	346.83	-0.1694	-0.98	1804.37	10.444	184.999	4.141
0.0000	1.1267	1587.56	352.15	0.0000	0.00	1788.70	10.559	191.202	4.113

x_1	ρ / gcm^{-3}	$u / \text{m s}^{-1}$	$\kappa_s / \text{TPa}^{-1}$	$V^E / \text{cm}^3 \text{mol}^{-1}$	$\delta\kappa_s / \text{TPa}^{-1}$	$Z \times 10^{-3} / \text{kg m}^{-2} \text{s}^{-1}$	$L_f / \text{Å}$	$B / \text{cm}^3 \text{mol}^{-1}$	$S \times 10^6$
T = 316.15 K									
1.0000	1.1825	1749.82	276.19	0.0000	0.00	2069.16	8.682	86.564	4.577
0.8864	1.1742	1744.52	279.84	-0.3272	-4.78	2048.42	8.832	98.124	4.554
0.5960	1.1580	1701.68	298.22	-0.9649	-7.92	1970.55	9.309	127.854	4.426
0.5030	1.1520	1681.72	306.93	-0.8868	-6.10	1937.34	9.518	137.639	4.371
0.3960	1.1461	1661.68	316.00	-0.8019	-4.97	1904.45	9.733	148.904	4.315
0.3014	1.1413	1642.87	324.63	-0.6872	-3.34	1875.01	9.927	158.899	4.264
0.1919	1.1362	1624.84	333.37	-0.5170	-2.72	1846.14	10.127	170.519	4.214
0.0577	1.1300	1601.55	345.02	-0.1700	-1.02	1809.75	10.388	184.891	4.150
0.0000	1.1275	1591.15	350.32	0.0000	0.00	1794.02	10.502	191.090	4.122
T = 315.15 K									
1.0000	1.1830	1751.59	275.52	0.0000	0.00	2072.13	8.651	86.536	4.581
0.8864	1.1748	1746.70	279.00	-0.3296	-4.81	2052.02	8.796	98.084	4.559
0.5960	1.1587	1704.92	296.91	-0.9658	-8.07	1975.49	9.264	127.793	4.434
0.5030	1.1528	1685.16	305.47	-0.8971	-6.30	1942.65	9.469	137.561	4.379
0.3960	1.1468	1665.28	314.44	-0.7963	-5.13	1909.74	9.683	148.832	4.324
0.3014	1.1420	1646.53	322.99	-0.6787	-3.47	1880.34	9.875	158.822	4.272
0.1919	1.1369	1628.49	331.67	-0.5051	-2.78	1851.43	10.074	170.435	4.223
0.0577	1.1308	1605.22	343.20	-0.1711	-1.04	1815.18	10.331	184.783	4.159
0.0000	1.1283	1594.85	348.45	0.0000	0.00	1799.47	10.444	190.978	4.131
T = 314.15 K									
1.0000	1.1836	1753.38	274.82	0.0000	0.00	2075.30	8.618	86.501	4.586
0.8864	1.1754	1748.90	278.15	-0.3253	-4.82	2055.66	8.761	98.045	4.564
0.5960	1.1594	1708.21	295.59	-0.9620	-8.23	1980.50	9.219	127.731	4.442
0.5030	1.1535	1688.61	304.04	-0.8911	-6.45	1947.81	9.421	137.495	4.388
0.3960	1.1475	1668.89	312.89	-0.7878	-5.28	1915.05	9.633	148.760	4.333
0.3014	1.1428	1650.17	321.35	-0.6823	-3.61	1885.81	9.822	158.731	4.281
0.1919	1.1377	1632.21	329.93	-0.5073	-2.89	1856.97	10.020	170.337	4.232
0.0577	1.1316	1608.94	341.37	-0.1717	-1.08	1820.68	10.274	184.676	4.168
0.0000	1.1291	1598.55	346.59	0.0000	0.00	1804.92	10.387	190.866	4.140
T = 313.15 K									
1.0000	1.1842	1755.18	274.11	0.0000	0.00	2078.48	8.585	86.466	4.590
0.8864	1.1760	1751.11	277.31	-0.3209	-4.83	2059.31	8.725	98.005	4.569
0.5960	1.1601	1711.47	294.28	-0.9583	-8.36	1985.48	9.174	127.670	4.450
0.5030	1.1542	1692.08	302.61	-0.8851	-6.60	1953.00	9.374	137.429	4.396
0.3960	1.1483	1672.52	311.32	-0.7927	-5.45	1920.55	9.581	148.675	4.342
0.3014	1.1436	1653.86	319.69	-0.6859	-3.76	1891.35	9.769	158.640	4.290
0.1919	1.1385	1635.93	328.20	-0.5095	-2.98	1862.51	9.965	170.239	4.241
0.0577	1.1324	1612.67	339.55	-0.1723	-1.10	1826.19	10.218	184.569	4.177
0.0000	1.1299	1602.29	344.73	0.0000	0.00	1810.43	10.330	190.755	4.149
T = 312.15 K									
1.0000	1.1847	1756.99	273.43	0.0000	0.00	2081.51	8.554	86.438	4.594
0.8864	1.1766	1753.32	276.47	-0.3234	-4.85	2062.96	8.690	97.966	4.575
0.5960	1.1608	1714.76	292.98	-0.9591	-8.51	1990.49	9.129	127.608	4.458
0.5030	1.1549	1695.57	301.18	-0.8830	-6.76	1958.21	9.327	137.362	4.405
0.3960	1.1490	1676.18	309.77	-0.7872	-5.60	1925.93	9.532	148.603	4.351
0.3014	1.1443	1657.57	318.07	-0.6774	-3.87	1896.76	9.718	158.563	4.300
0.1919	1.1393	1639.71	326.46	-0.5131	-3.08	1868.12	9.911	170.141	4.250
0.0577	1.1332	1616.42	337.74	-0.1734	-1.12	1831.73	10.162	184.461	4.187
0.0000	1.1307	1606.07	342.87	0.0000	0.00	1815.98	10.273	190.644	4.159

x_1	ρ / gcm^{-3}	$u / \text{m s}^{-1}$	$\kappa_s / \text{TPa}^{-1}$	$V^E / \text{cm}^3 \text{mol}^{-1}$	$\delta\kappa_s / \text{TPa}^{-1}$	$Z \times 10^{-3} / \text{kg m}^{-2} \text{s}^{-1}$	$L_f / \text{\AA}$	$B / \text{cm}^3 \text{mol}^{-1}$	$S \times 10^6$
T = 311.15 K									
1.0000	1.1853	1758.80	272.73	0.0000	0.00	2084.71	8.521	86.403	4.598
0.8864	1.1772	1755.52	275.64	-0.3191	-4.85	2066.60	8.655	97.926	4.580
0.5960	1.1615	1718.02	291.69	-0.9554	-8.62	1995.48	9.085	127.547	4.466
0.5030	1.1556	1699.03	299.77	-0.8770	-6.89	1963.40	9.280	137.296	4.413
0.3960	1.1498	1679.84	308.21	-0.7921	-5.76	1931.48	9.481	148.519	4.359
0.3014	1.1451	1661.29	316.42	-0.6811	-4.00	1902.34	9.666	158.472	4.309
0.1919	1.1401	1643.50	324.73	-0.5153	-3.17	1873.75	9.856	170.043	4.259
0.0577	1.1340	1620.22	335.92	-0.1740	-1.14	1837.33	10.106	184.354	4.196
0.0000	1.1315	1609.89	341.00	0.0000	0.00	1821.59	10.216	190.533	4.168
T = 310.15 K									
1.0000	1.1859	1760.62	272.03	0.0000	0.00	2087.92	8.489	86.369	4.603
0.8864	1.1778	1757.71	274.81	-0.3128	-4.84	2070.23	8.620	97.887	4.585
0.5960	1.1622	1721.28	290.41	-0.9447	-8.72	2000.47	9.040	127.485	4.474
0.5030	1.1564	1702.51	298.34	-0.8748	-7.03	1968.78	9.232	137.218	4.421
0.3960	1.1506	1683.51	306.65	-0.7864	-5.90	1937.05	9.430	148.434	4.368
0.3014	1.1459	1665.07	314.77	-0.6725	-4.13	1908.00	9.613	158.382	4.318
0.1919	1.1409	1647.32	323.00	-0.5034	-3.24	1879.43	9.802	169.945	4.269
0.0577	1.1348	1624.06	334.10	-0.1583	-1.14	1842.98	10.050	184.248	4.205
0.0000	1.1324	1613.73	339.11	0.0000	0.00	1827.39	10.157	190.406	4.177
T = 309.15 K									
1.0000	1.1865	1762.45	271.33	0.0000	0.00	2091.15	8.456	86.334	4.607
0.8864	1.1785	1759.92	273.96	-0.3172	-4.86	2074.07	8.584	97.839	4.591
0.5960	1.1629	1724.55	289.14	-0.9410	-8.82	2005.48	8.996	127.424	4.482
0.5030	1.1571	1706.04	296.93	-0.8689	-7.17	1974.06	9.185	137.152	4.430
0.3960	1.1513	1687.18	305.13	-0.7779	-6.02	1942.45	9.382	148.362	4.377
0.3014	1.1467	1668.87	313.12	-0.6761	-4.27	1913.69	9.561	158.291	4.327
0.1919	1.1417	1651.17	321.27	-0.5056	-3.34	1885.14	9.748	169.848	4.278
0.0577	1.1356	1627.98	332.26	-0.1589	-1.19	1848.73	9.994	184.141	4.215
0.0000	1.1332	1617.59	337.25	0.0000	0.00	1833.05	10.100	190.295	4.187
T = 308.15 K									
1.0000	1.1871	1764.28	270.63	0.0000	0.00	2094.38	8.424	86.299	4.611
0.8864	1.1791	1762.12	273.14	-0.3129	-4.85	2077.72	8.549	97.800	4.596
0.5960	1.1636	1727.79	287.88	-0.9374	-8.91	2010.46	8.952	127.363	4.490
0.5030	1.1579	1709.54	295.51	-0.8753	-7.30	1979.48	9.137	137.075	4.439
0.3960	1.1521	1690.88	303.59	-0.7828	-6.15	1948.06	9.331	148.278	4.386
0.3014	1.1475	1672.70	311.47	-0.6797	-4.40	1919.42	9.509	158.201	4.337
0.1919	1.1425	1655.02	319.55	-0.5078	-3.41	1890.86	9.695	169.750	4.288
0.0577	1.1364	1631.88	330.44	-0.1596	-1.20	1854.47	9.938	184.035	4.225
0.0000	1.1340	1621.53	335.38	0.0000	0.00	1838.82	10.044	190.185	4.197
T = 307.15 K									
1.0000	1.1876	1766.11	269.96	0.0000	0.00	2097.43	8.393	86.272	4.616
0.8864	1.1797	1764.33	272.31	-0.3153	-4.86	2081.38	8.514	97.760	4.601
0.5960	1.1643	1731.05	286.63	-0.9383	-9.00	2015.46	8.909	127.302	4.497
0.5030	1.1586	1713.04	294.12	-0.8732	-7.41	1984.73	9.091	137.009	4.447
0.3960	1.1529	1694.58	302.05	-0.7907	-6.28	1953.68	9.281	148.194	4.395
0.3014	1.1482	1676.55	309.85	-0.6713	-4.50	1925.01	9.458	158.125	4.346
0.1919	1.1433	1658.94	317.82	-0.5114	-3.48	1896.67	9.641	169.653	4.297
0.0577	1.1372	1635.88	328.59	-0.1606	-1.24	1860.32	9.882	183.929	4.234
0.0000	1.1348	1625.53	333.50	0.0000	0.00	1844.65	9.987	190.075	4.206

x_1	ρ / gcm^{-3}	$u / \text{m s}^{-1}$	$\kappa_s / \text{TPa}^{-1}$	$V^E / \text{cm}^3 \text{mol}^{-1}$	$\delta\kappa_s / \text{TPa}^{-1}$	$Z \times 10^{-3} / \text{kg m}^{-2} \text{s}^{-1}$	$L_f / \text{\AA}$	$B / \text{cm}^3 \text{mol}^{-1}$	$S \times 10^6$
T = 306.15 K									
1.0000	1.1882	1767.96	269.26	0.0000	0.00	2100.69	8.360	86.237	4.620
0.8864	1.1803	1766.52	271.50	-0.3111	-4.84	2085.02	8.480	97.721	4.606
0.5960	1.1650	1734.31	285.38	-0.9346	-9.07	2020.47	8.866	127.240	4.505
0.5030	1.1594	1716.56	292.72	-0.8796	-7.53	1990.18	9.044	136.931	4.456
0.3960	1.1536	1698.31	300.55	-0.7823	-6.38	1959.17	9.233	148.123	4.405
0.3014	1.1490	1680.40	308.22	-0.6749	-4.61	1930.78	9.407	158.035	4.355
0.1919	1.1440	1662.89	316.12	-0.4983	-3.54	1902.35	9.589	169.571	4.307
0.0577	1.1380	1639.89	326.76	-0.1613	-1.26	1866.19	9.826	183.823	4.244
0.0000	1.1356	1629.54	331.62	0.0000	0.00	1850.51	9.930	189.965	4.216
T = 305.15 K									
1.0000	1.1888	1769.80	268.56	0.0000	0.00	2103.94	8.328	86.202	4.624
0.8864	1.1809	1768.68	270.70	-0.3068	-4.81	2088.63	8.446	97.682	4.611
0.5960	1.1657	1737.55	284.14	-0.9310	-9.13	2025.46	8.822	127.179	4.513
0.5030	1.1601	1720.09	291.34	-0.8737	-7.62	1995.48	8.998	136.865	4.464
0.3960	1.1544	1702.07	299.01	-0.7872	-6.49	1964.87	9.184	148.039	4.414
0.3014	1.1498	1684.29	306.58	-0.6785	-4.71	1936.60	9.355	157.945	4.365
0.1919	1.1448	1666.90	314.38	-0.5004	-3.61	1908.27	9.535	169.474	4.317
0.0577	1.1388	1643.93	324.93	-0.1619	-1.27	1872.11	9.771	183.717	4.254
0.0000	1.1364	1633.64	329.73	0.0000	0.00	1856.47	9.874	189.856	4.226
T = 304.15 K									
1.0000	1.1894	1771.65	267.87	0.0000	0.00	2107.20	8.296	86.168	4.629
0.8864	1.1816	1770.91	269.86	-0.3112	-4.82	2092.51	8.410	97.634	4.617
0.5960	1.1665	1740.79	282.89	-0.9387	-9.20	2030.63	8.778	127.107	4.521
0.5030	1.1608	1723.60	289.98	-0.8678	-7.69	2000.75	8.953	136.800	4.473
0.3960	1.1551	1705.81	297.52	-0.7787	-6.56	1970.38	9.136	147.968	4.423
0.3014	1.1506	1688.20	304.95	-0.6821	-4.81	1942.44	9.304	157.856	4.374
0.1919	1.1456	1670.92	312.65	-0.5026	-3.68	1914.21	9.482	169.378	4.327
0.0577	1.1396	1648.03	323.09	-0.1626	-1.29	1878.09	9.715	183.612	4.264
0.0000	1.1372	1637.78	327.83	0.0000	0.00	1862.48	9.817	189.747	4.237
T = 303.15 K									
1.0000	1.1900	1773.50	267.17	0.0000	0.00	2110.47	8.264	86.133	4.633
0.8864	1.1822	1773.11	269.05	-0.3069	-4.79	2096.17	8.376	97.595	4.622
0.5960	1.1672	1744.06	281.66	-0.9350	-9.25	2035.67	8.735	127.046	4.529
0.5030	1.1616	1727.12	288.60	-0.8742	-7.78	2006.22	8.906	136.722	4.481
0.3960	1.1559	1709.61	296.00	-0.7836	-6.67	1976.14	9.087	147.884	4.432
0.3014	1.1513	1692.14	303.35	-0.6715	-4.88	1948.16	9.254	157.780	4.384
0.1919	1.1464	1675.00	310.91	-0.5048	-3.75	1920.22	9.429	169.281	4.337
0.0577	1.1404	1652.19	321.23	-0.1632	-1.31	1884.16	9.660	183.507	4.274
0.0000	1.1380	1641.96	325.94	0.0000	0.00	1868.55	9.761	189.638	4.247
T = 302.15 K									
1.0000	1.1906	1775.37	266.47	0.0000	0.00	2113.76	8.232	86.099	4.637
0.8864	1.1828	1775.32	268.25	-0.3027	-4.77	2099.85	8.342	97.556	4.627
0.5960	1.1679	1747.32	280.45	-0.9314	-9.29	2040.70	8.693	126.985	4.537
0.5030	1.1623	1730.63	287.26	-0.8683	-7.83	2011.51	8.862	136.657	4.490
0.3960	1.1567	1713.41	294.48	-0.7885	-6.77	1981.90	9.037	147.800	4.442
0.3014	1.1521	1696.07	301.73	-0.6751	-4.96	1954.04	9.203	157.690	4.394
0.1919	1.1472	1679.09	309.18	-0.5070	-3.81	1926.25	9.376	169.185	4.347
0.0577	1.1412	1656.34	319.40	-0.1638	-1.32	1890.22	9.605	183.402	4.285
0.0000	1.1388	1646.17	324.04	0.0000	0.00	1874.66	9.705	189.529	4.257

x_1	ρ / gcm^{-3}	$u / \text{m s}^{-1}$	$\kappa_s / \text{TPa}^{-1}$	$V^E / \text{cm}^3 \text{mol}^{-1}$	$\delta\kappa_s / \text{TPa}^{-1}$	$Z \times 10^{-3} / \text{kg m}^{-2} \text{s}^{-1}$	$L_f / \text{\AA}$	$B / \text{cm}^3 \text{mol}^{-1}$	$S \times 10^6$
T = 301.15 K									
1.0000	1.1912	1777.23	265.78	0.0000	0.00	2117.04	8.201	86.064	4.642
0.8864	1.1834	1777.51	267.45	-0.2984	-4.73	2103.51	8.308	97.517	4.632
0.5960	1.1686	1750.58	279.24	-0.9278	-9.31	2045.73	8.651	126.924	4.545
0.5030	1.1631	1734.16	285.89	-0.8747	-7.89	2017.00	8.815	136.579	4.499
0.3960	1.1574	1717.22	293.00	-0.7801	-6.81	1987.51	8.990	147.729	4.451
0.3014	1.1529	1700.05	300.11	-0.6786	-5.03	1959.99	9.152	157.601	4.404
0.1919	1.1480	1683.20	307.46	-0.5091	-3.85	1932.31	9.323	169.089	4.357
0.0577	1.1420	1660.63	317.53	-0.1645	-1.34	1896.44	9.549	183.297	4.295
0.0000	1.1396	1650.49	322.12	0.0000	0.00	1880.90	9.648	189.421	4.268
T = 300.15 K									
1.0000	1.1918	1779.11	265.09	0.0000	0.00	2120.34	8.169	86.030	4.646
0.8864	1.1840	1779.72	266.65	-0.2942	-4.70	2107.19	8.274	97.478	4.638
0.5960	1.1694	1753.84	278.01	-0.9355	-9.35	2050.94	8.607	126.852	4.553
0.5030	1.1638	1737.71	284.56	-0.8688	-7.93	2022.35	8.771	136.514	4.507
0.3960	1.1582	1721.04	291.50	-0.7849	-6.89	1993.31	8.942	147.646	4.460
0.3014	1.1537	1704.07	298.49	-0.6822	-5.11	1965.99	9.101	157.512	4.413
0.1919	1.1487	1687.37	305.75	-0.4961	-3.88	1938.28	9.272	169.008	4.367
0.0577	1.1428	1664.93	315.67	-0.1651	-1.36	1902.68	9.494	183.193	4.306
0.0000	1.1404	1654.82	320.21	0.0000	0.00	1887.16	9.592	189.313	4.278
T = 299.15 K									
1.0000	1.1923	1780.98	264.42	0.0000	0.00	2123.46	8.139	86.002	4.651
0.8864	1.1846	1781.93	265.86	-0.2967	-4.68	2110.87	8.240	97.438	4.643
0.5960	1.1701	1757.11	276.81	-0.9364	-9.37	2055.99	8.565	126.791	4.561
0.5030	1.1645	1741.26	283.23	-0.8668	-7.97	2027.70	8.727	136.449	4.516
0.3960	1.1589	1724.87	290.03	-0.7796	-6.93	1998.95	8.895	147.575	4.470
0.3014	1.1544	1708.11	296.90	-0.6739	-5.15	1971.84	9.052	157.436	4.423
0.1919	1.1495	1691.57	304.03	-0.4997	-3.92	1944.46	9.219	168.912	4.377
0.0577	1.1436	1669.30	313.80	-0.1662	-1.38	1909.01	9.439	183.089	4.316
0.0000	1.1412	1659.24	318.29	0.0000	0.00	1893.52	9.536	189.205	4.289
T = 298.15 K									
1.0000	1.1929	1782.87	263.73	0.0000	0.00	2126.79	8.107	85.968	4.655
0.8864	1.1852	1784.14	265.06	-0.2925	-4.64	2114.56	8.207	97.399	4.648
0.5960	1.1708	1760.38	275.62	-0.9328	-9.37	2061.05	8.524	126.730	4.569
0.5030	1.1653	1744.80	281.88	-0.8732	-8.00	2033.22	8.681	136.371	4.525
0.3960	1.1597	1728.71	288.54	-0.7844	-6.97	2004.78	8.847	147.492	4.479
0.3014	1.1552	1712.18	295.29	-0.6775	-5.20	1977.91	9.002	157.348	4.433
0.1919	1.1503	1695.78	302.31	-0.5019	-3.94	1950.66	9.166	168.816	4.388
0.0577	1.1444	1673.71	311.93	-0.1668	-1.38	1915.39	9.383	182.985	4.327
0.0000	1.1420	1663.73	316.35	0.0000	0.00	1899.98	9.479	189.097	4.300
T = 297.15 K									
1.0000	1.1935	1784.76	263.04	0.0000	0.00	2130.11	8.076	85.934	4.660
0.8864	1.1859	1786.36	264.25	-0.2968	-4.62	2118.44	8.172	97.352	4.654
0.5960	1.1715	1763.67	274.42	-0.9292	-9.36	2066.14	8.482	126.670	4.577
0.5030	1.1660	1748.40	280.56	-0.8674	-8.01	2038.63	8.637	136.306	4.533
0.3960	1.1605	1732.57	287.06	-0.7892	-7.00	2010.65	8.799	147.409	4.488
0.3014	1.1560	1716.31	293.66	-0.6811	-5.26	1984.05	8.951	157.259	4.443
0.1919	1.1511	1700.07	300.58	-0.5040	-3.97	1956.95	9.114	168.721	4.398
0.0577	1.1452	1678.19	310.05	-0.1674	-1.39	1921.86	9.328	182.881	4.338
0.0000	1.1428	1668.29	314.40	0.0000	0.00	1906.52	9.423	188.990	4.311

x_1	ρ / gcm^{-3}	$u / \text{m s}^{-1}$	$\kappa_s / \text{TPa}^{-1}$	$V^E / \text{cm}^3 \text{mol}^{-1}$	$\delta\kappa_s / \text{TPa}^{-1}$	$Z \times 10^{-3} / \text{kg m}^{-2} \text{s}^{-1}$	$L_f / \text{Å}$	$B / \text{cm}^3 \text{mol}^{-1}$	$S \times 10^6$
T = 296.15 K									
1.0000	1.1941	1786.66	262.35	0.0000	0.00	2133.45	8.044	85.900	4.664
0.8864	1.1865	1788.57	263.46	-0.2926	-4.57	2122.14	8.139	97.313	4.659
0.5960	1.1722	1766.96	273.24	-0.9256	-9.35	2071.23	8.441	126.609	4.585
0.5030	1.1668	1752.00	279.21	-0.8737	-8.03	2044.23	8.592	136.229	4.542
0.3960	1.1612	1736.49	285.59	-0.7809	-7.01	2016.41	8.752	147.338	4.498
0.3014	1.1567	1720.43	292.08	-0.6705	-5.26	1990.02	8.903	157.184	4.453
0.1919	1.1519	1704.42	298.84	-0.5062	-3.99	1963.32	9.062	168.626	4.409
0.0577	1.1460	1682.70	308.18	-0.1680	-1.37	1928.37	9.273	182.778	4.349
0.0000	1.1436	1672.93	312.44	0.0000	0.00	1913.16	9.367	188.883	4.323
T = 295.15 K									
1.0000	1.1947	1788.56	261.66	0.0000	0.00	2136.79	8.013	85.865	4.669
0.8864	1.1871	1790.80	262.67	-0.2904	-4.53	2125.86	8.106	97.275	4.664
0.5960	1.1730	1770.27	272.03	-0.9402	-9.36	2076.53	8.398	126.538	4.593
0.5030	1.1675	1755.61	277.90	-0.8764	-8.03	2049.67	8.548	136.164	4.551
0.3960	1.1620	1740.41	284.11	-0.7960	-7.05	2022.36	8.705	147.255	4.508
0.3014	1.1575	1724.55	290.49	-0.6860	-5.29	1996.17	8.853	157.095	4.464
0.1919	1.1526	1708.81	297.12	-0.5070	-4.01	1969.57	9.011	168.545	4.420
0.0577	1.1468	1687.29	306.29	-0.1847	-1.39	1934.98	9.218	182.674	4.361
0.0000	1.1443	1677.64	310.50	0.0000	0.00	1919.72	9.312	188.793	4.334
T = 294.15 K									
1.0000	1.1953	1790.48	260.97	0.0000	0.00	2140.16	7.982	85.831	4.673
0.8864	1.1877	1793.04	261.89	-0.2862	-4.48	2129.59	8.073	97.236	4.669
0.5960	1.1737	1773.58	270.86	-0.9366	-9.32	2081.65	8.357	126.477	4.601
0.5030	1.1682	1759.26	276.58	-0.8706	-8.02	2055.17	8.505	136.099	4.560
0.3960	1.1627	1744.40	282.64	-0.7877	-7.05	2028.21	8.658	147.185	4.517
0.3014	1.1583	1728.74	288.88	-0.6896	-5.31	2002.40	8.803	157.007	4.474
0.1919	1.1534	1713.25	295.38	-0.5092	-4.02	1976.06	8.958	168.451	4.430
0.0577	1.1476	1691.97	304.39	-0.1853	-1.40	1941.70	9.163	182.572	4.372
0.0000	1.1451	1682.40	308.53	0.0000	0.00	1926.52	9.255	188.687	4.346
T = 293.15 K									
1.0000	1.1959	1792.40	260.28	0.0000	0.00	2143.53	7.950	85.797	4.678
0.8864	1.1883	1795.28	261.10	-0.2820	-4.43	2133.33	8.040	97.197	4.675
0.5960	1.1744	1776.95	269.67	-0.9330	-9.30	2086.85	8.316	126.417	4.609
0.5030	1.1690	1762.91	275.25	-0.8769	-8.03	2060.84	8.460	136.023	4.569
0.3960	1.1635	1748.39	281.16	-0.7925	-7.07	2034.25	8.611	147.103	4.527
0.3014	1.1590	1733.01	287.29	-0.6791	-5.32	2008.56	8.755	156.933	4.484
0.1919	1.1542	1717.72	293.64	-0.5113	-4.04	1982.59	8.906	168.356	4.441
0.0577	1.1483	1696.66	302.52	-0.1695	-1.37	1948.27	9.110	182.485	4.384
0.0000	1.1459	1687.22	306.56	0.0000	0.00	1933.39	9.199	188.581	4.358
T = 292.15 K									
1.0000	1.1965	1794.32	259.59	0.0000	0.00	2146.90	7.919	85.763	4.682
0.8864	1.1889	1797.52	260.32	-0.2779	-4.38	2137.07	8.007	97.158	4.680
0.5960	1.1751	1780.31	268.49	-0.9295	-9.26	2092.04	8.275	126.356	4.617
0.5030	1.1697	1766.60	273.94	-0.8711	-8.00	2066.39	8.416	135.958	4.578
0.3960	1.1642	1752.44	279.70	-0.7843	-7.06	2040.19	8.565	147.033	4.537
0.3014	1.1598	1737.29	285.68	-0.6826	-5.33	2014.91	8.705	156.845	4.495
0.1919	1.1550	1722.23	291.90	-0.5134	-4.03	1989.18	8.854	168.262	4.453
0.0577	1.1491	1701.50	300.59	-0.1701	-1.37	1955.19	9.055	182.382	4.396
0.0000	1.1467	1692.15	304.56	0.0000	0.00	1940.39	9.143	188.475	4.370

x_1	$\rho / \text{g cm}^{-3}$	$u / \text{m s}^{-1}$	$\kappa_s / \text{TPa}^{-1}$	$V^E / \text{cm}^3 \text{mol}^{-1}$	$\delta\kappa_s / \text{TPa}^{-1}$	$Z \times 10^{-3} / \text{kg m}^{-2} \text{s}^{-1}$	$L_f / \text{Å}$	$B / \text{cm}^3 \text{mol}^{-1}$	$S \times 10^6$
T = 291.15 K									
1.0000	1.1971	1796.25	258.90	0.0000	0.00	2150.29	7.888	85.729	4.687
0.8864	1.1895	1799.76	259.54	-0.2737	-4.32	2140.81	7.974	97.119	4.685
0.5960	1.1758	1783.69	267.32	-0.9259	-9.22	2097.26	8.234	126.296	4.625
0.5030	1.1704	1770.27	272.64	-0.8654	-7.96	2071.92	8.374	135.893	4.587
0.3960	1.1650	1756.51	278.21	-0.7891	-7.05	2046.33	8.518	146.951	4.547
0.3014	1.1605	1741.59	284.09	-0.6722	-5.30	2021.12	8.657	156.770	4.505
0.1919	1.1557	1726.75	290.20	-0.5005	-3.97	1995.60	8.804	168.182	4.464
0.0577	1.1499	1706.38	298.67	-0.1708	-1.36	1962.17	9.000	182.280	4.408
0.0000	1.1475	1697.18	302.55	0.0000	0.00	1947.51	9.086	188.370	4.383
T = 290.15 K									
1.0000	1.1977	1798.20	258.21	0.0000	0.00	2153.70	7.857	85.695	4.691
0.8864	1.1902	1802.03	258.74	-0.2781	-4.28	2144.78	7.940	97.073	4.691
0.5960	1.1765	1787.16	266.12	-0.9224	-9.18	2102.59	8.193	126.236	4.634
0.5030	1.1712	1774.06	271.29	-0.8717	-7.94	2077.78	8.329	135.817	4.596
0.3960	1.1657	1760.65	276.74	-0.7808	-7.02	2052.39	8.472	146.881	4.557
0.3014	1.1613	1746.01	282.46	-0.6757	-5.29	2027.64	8.608	156.683	4.516
0.1919	1.1565	1731.44	288.43	-0.5027	-3.96	2002.41	8.752	168.088	4.475
0.0577	1.1507	1711.42	296.70	-0.1714	-1.36	1969.33	8.944	182.179	4.420
0.0000	1.1483	1702.34	300.51	0.0000	0.00	1954.80	9.029	188.265	4.395
T = 289.15 K									
1.0000	1.1983	1800.19	257.51	0.0000	0.00	2157.17	7.826	85.661	4.696
0.8864	1.1908	1804.31	257.95	-0.2739	-4.21	2148.57	7.907	97.034	4.696
0.5960	1.1772	1790.68	264.92	-0.9189	-9.12	2107.99	8.153	126.176	4.642
0.5030	1.1719	1777.91	269.95	-0.8659	-7.89	2083.53	8.285	135.753	4.605
0.3960	1.1665	1764.91	275.21	-0.7856	-7.01	2058.77	8.424	146.799	4.568
0.3014	1.1621	1750.57	280.80	-0.6793	-5.30	2034.34	8.557	156.596	4.527
0.1919	1.1573	1736.25	286.64	-0.5048	-3.94	2009.36	8.700	167.995	4.487
0.0577	1.1515	1716.58	294.72	-0.1720	-1.35	1976.64	8.888	182.078	4.433
0.0000	1.1491	1707.66	298.43	0.0000	0.00	1962.27	8.972	188.160	4.408
T = 288.15 K									
1.0000	1.1989	1802.18	256.82	0.0000	0.00	2160.63	7.795	85.627	4.701
0.8864	1.1914	1806.60	257.17	-0.2679	-4.13	2152.38	7.875	96.996	4.702
0.5960	1.1779	1794.23	263.72	-0.9086	-9.06	2113.42	8.112	126.117	4.651
0.5030	1.1726	1781.84	268.60	-0.8518	-7.84	2089.39	8.242	135.689	4.615
0.3960	1.1672	1769.22	273.71	-0.7672	-6.96	2065.03	8.378	146.730	4.578
0.3014	1.1628	1755.22	279.15	-0.6571	-5.26	2040.97	8.509	156.523	4.539
0.1919	1.1581	1741.16	284.82	-0.4933	-3.91	2016.44	8.647	167.902	4.499
0.0577	1.1523	1721.77	292.74	-0.1567	-1.29	1984.00	8.833	181.977	4.445
0.0000	1.1500	1713.07	296.31	0.0000	0.00	1970.03	8.913	188.040	4.422

2-HDEAA (1) + 2-HTEAPr (2)									
x_1	$\rho / \text{g cm}^{-3}$	$u / \text{m s}^{-1}$	$\kappa_s / \text{TPa}^{-1}$	$V^E / \text{cm}^3 \text{mol}^{-1}$	$\delta\kappa_s / \text{TPa}^{-1}$	$Z \times 10^{-3} / \text{kg m}^{-2} \text{s}^{-1}$	$L_f / \text{Å}$	$B / \text{cm}^3 \text{mol}^{-1}$	$S \times 10^6$
T = 338.15 K									
0.0000	1.1100	1517.49	391.23	0.0000	0.00	1684.38	11.803	193.587	3.942
0.0502	1.1132	1536.25	380.65	-0.3517	-5.12	1710.08	11.593	190.551	3.990
0.1025	1.1154	1546.59	374.83	-0.5091	-5.25	1725.02	11.470	187.549	4.017
0.1990	1.1194	1566.43	364.09	-0.7497	-5.48	1753.40	11.244	182.059	4.068
0.2947	1.1229	1587.81	353.23	-0.8835	-5.93	1782.99	11.022	176.719	4.124
0.4009	1.1269	1610.96	341.93	-0.9989	-5.67	1815.44	10.787	170.819	4.184
0.4954	1.1299	1632.96	331.90	-0.9762	-5.41	1845.09	10.585	165.691	4.241
0.5934	1.1329	1654.05	322.63	-0.9099	-4.01	1873.88	10.395	160.406	4.296
0.7042	1.1357	1681.26	311.51	-0.7143	-3.08	1909.39	10.177	154.554	4.367
0.8011	1.1379	1705.22	302.22	-0.4912	-1.82	1940.40	9.995	149.483	4.430
0.9028	1.1402	1732.38	292.24	-0.2257	-0.74	1975.24	9.799	144.194	4.500
0.9534	1.1414	1747.37	286.95	-0.0907	-0.52	1994.38	9.695	141.568	4.539
1.0000	1.1427	1760.34	282.40	0.0000	0.00	2011.62	9.600	139.114	4.573
T = 337.15 K									
0.0000	1.1107	1520.38	389.48	0.0000	0.00	1688.76	11.745	193.475	3.949
0.0502	1.1140	1539.50	378.76	-0.3609	-5.29	1714.96	11.532	190.434	3.998
0.1025	1.1162	1549.84	372.98	-0.5175	-5.42	1729.91	11.410	187.436	4.025
0.1990	1.1202	1569.71	362.31	-0.7574	-5.66	1758.33	11.185	181.951	4.076
0.2947	1.1237	1591.11	351.52	-0.8898	-6.12	1787.94	10.965	176.617	4.132
0.4009	1.1277	1614.24	340.31	-1.0047	-5.85	1820.37	10.732	170.722	4.192
0.4954	1.1307	1636.25	330.34	-0.9821	-5.61	1850.05	10.532	165.599	4.249
0.5934	1.1336	1657.32	321.15	-0.9156	-4.21	1878.82	10.343	160.319	4.304
0.7042	1.1364	1684.47	310.13	-0.7194	-3.26	1914.25	10.127	154.473	4.375
0.8011	1.1386	1708.35	300.93	-0.4949	-1.99	1945.15	9.947	149.408	4.437
0.9028	1.1409	1735.31	291.08	-0.2280	-0.85	1979.74	9.754	144.125	4.507
0.9534	1.1420	1750.15	285.88	-0.0924	-0.59	1998.69	9.652	141.502	4.546
1.0000	1.1434	1762.87	281.43	0.0000	0.00	2015.62	9.559	139.051	4.579
T = 336.15 K									
0.0000	1.1115	1523.54	387.59	0.0000	0.00	1693.47	11.684	193.361	3.957
0.0502	1.1148	1542.77	376.88	-0.3671	-5.33	1719.87	11.471	190.318	4.006
0.1025	1.1170	1553.09	371.15	-0.5233	-5.45	1734.80	11.350	187.322	4.033
0.1990	1.1210	1573.01	360.53	-0.7619	-5.73	1763.28	11.127	181.844	4.084
0.2947	1.1245	1594.37	349.84	-0.8933	-6.17	1792.85	10.909	176.515	4.140
0.4009	1.1285	1617.54	338.69	-1.0085	-5.94	1825.34	10.677	170.626	4.200
0.4954	1.1314	1639.56	328.79	-0.9849	-5.71	1855.02	10.479	165.509	4.257
0.5934	1.1344	1660.58	319.68	-0.9190	-4.32	1883.74	10.292	160.233	4.312
0.7042	1.1371	1687.70	308.75	-0.7220	-3.39	1919.13	10.078	154.394	4.383
0.8011	1.1393	1711.49	299.65	-0.4973	-2.10	1949.92	9.900	149.334	4.445
0.9028	1.1415	1738.25	289.93	-0.2301	-0.93	1984.26	9.710	144.056	4.515
T = 335.15 K									
0.0000	1.1123	1526.72	385.70	0.0000	0.00	1698.22	11.623	193.246	3.964
0.0502	1.1156	1546.02	375.02	-0.3710	-5.34	1724.75	11.411	190.201	4.014
0.1025	1.1178	1556.37	369.33	-0.5261	-5.48	1739.72	11.290	187.210	4.041
0.1990	1.1218	1576.29	358.78	-0.7649	-5.77	1768.22	11.069	181.736	4.092
0.2947	1.1253	1597.67	348.15	-0.8954	-6.23	1797.81	10.853	176.414	4.148
0.4009	1.1292	1620.84	337.08	-1.0102	-6.02	1830.31	10.623	170.531	4.208
0.4954	1.1322	1642.87	327.25	-0.9877	-5.81	1860.02	10.426	165.418	4.265
0.5934	1.1351	1663.88	318.21	-0.9208	-4.44	1888.71	10.241	160.148	4.320
0.7042	1.1378	1690.94	307.37	-0.7243	-3.51	1924.03	10.029	154.314	4.391

x_1	ρ / gcm^{-3}	$u / \text{m s}^{-1}$	$\kappa_s / \text{TPa}^{-1}$	$V^E / \text{cm}^3 \text{mol}^{-1}$	$\delta\kappa_s / \text{TPa}^{-1}$	$Z \times 10^{-3} / \text{kg m}^{-2} \text{s}^{-1}$	$L_f / \text{\AA}$	$B / \text{cm}^3 \text{mol}^{-1}$	$S \times 10^6$
0.8011	1.1400	1714.62	298.37	-0.4985	-2.21	1954.67	9.853	149.260	4.452
0.9028	1.1422	1741.18	288.78	-0.2306	-0.99	1988.76	9.666	143.988	4.522
T = 334.15 K									
0.0000	1.1131	1529.95	383.79	0.0000	0.00	1703.04	11.562	193.131	3.972
0.0502	1.1164	1549.29	373.17	-0.3746	-5.34	1729.67	11.350	190.085	4.022
0.1025	1.1186	1559.66	367.50	-0.5292	-5.49	1744.65	11.231	187.097	4.049
0.1990	1.1226	1579.59	357.03	-0.7677	-5.81	1773.18	11.011	181.629	4.100
0.2947	1.1260	1600.99	346.47	-0.8964	-6.28	1802.79	10.797	176.313	4.156
0.4009	1.1300	1624.15	335.48	-1.0128	-6.09	1835.30	10.569	170.435	4.216
0.4954	1.1329	1646.21	325.71	-0.9897	-5.91	1865.04	10.373	165.327	4.274
0.5934	1.1359	1667.18	316.74	-0.9230	-4.55	1893.69	10.190	160.063	4.328
0.7042	1.1386	1694.17	306.01	-0.7258	-3.61	1928.91	9.980	154.235	4.399
0.8011	1.1407	1717.77	297.10	-0.5002	-2.32	1959.46	9.806	149.186	4.460
0.9028	1.1429	1744.10	287.65	-0.2311	-1.05	1993.25	9.622	143.920	4.529
T = 333.15 K									
0.0000	1.1139	1533.19	381.90	0.0000	0.00	1707.87	11.501	193.015	3.980
0.0502	1.1172	1552.58	371.32	-0.3770	-5.34	1734.60	11.291	189.970	4.030
0.1025	1.1194	1562.96	365.69	-0.5319	-5.51	1749.61	11.172	186.984	4.057
0.1990	1.1233	1582.91	355.28	-0.7691	-5.84	1778.16	10.954	181.523	4.109
0.2947	1.1268	1604.34	344.79	-0.8980	-6.34	1807.81	10.741	176.213	4.164
0.4009	1.1308	1627.49	333.88	-1.0150	-6.16	1840.32	10.515	170.339	4.224
0.4954	1.1337	1649.56	324.17	-0.9913	-6.00	1870.07	10.321	165.238	4.282
0.5934	1.1366	1670.52	315.27	-0.9256	-4.66	1898.72	10.139	159.977	4.336
0.7042	1.1393	1697.43	304.64	-0.7282	-3.73	1933.84	9.931	154.156	4.407
0.8011	1.1414	1720.94	295.82	-0.5023	-2.43	1964.26	9.759	149.112	4.468
0.9028	1.1435	1747.03	286.52	-0.2325	-1.11	1997.76	9.578	143.852	4.536
T = 332.15 K									
0.0000	1.1147	1536.44	380.01	0.0000	0.00	1712.73	11.441	192.900	3.988
0.0502	1.1180	1555.88	369.48	-0.3789	-5.34	1739.55	11.231	189.856	4.038
0.1025	1.1202	1566.28	363.88	-0.5343	-5.53	1754.59	11.113	186.872	4.065
0.1990	1.1241	1586.24	353.54	-0.7710	-5.87	1783.16	10.897	181.417	4.117
0.2947	1.1276	1607.70	343.11	-0.8994	-6.40	1812.85	10.686	176.112	4.172
0.4009	1.1315	1630.85	332.28	-1.0165	-6.24	1845.37	10.461	170.244	4.233
0.4954	1.1344	1652.95	322.63	-0.9931	-6.11	1875.16	10.268	165.148	4.290
0.5934	1.1373	1673.88	313.81	-0.9267	-4.79	1903.76	10.088	159.893	4.345
0.7042	1.1400	1700.71	303.28	-0.7297	-3.85	1938.79	9.883	154.077	4.415
0.8011	1.1421	1724.10	294.56	-0.5038	-2.53	1969.06	9.713	149.039	4.476
0.9028	1.1442	1749.96	285.40	-0.2337	-1.17	2002.27	9.534	143.784	4.543
T = 331.15 K									
0.0000	1.1155	1539.70	378.13	0.0000	0.00	1717.59	11.381	192.785	3.996
0.0502	1.1189	1559.20	367.64	-0.3814	-5.34	1744.52	11.172	189.741	4.046
0.1025	1.1210	1569.65	362.06	-0.5361	-5.56	1759.62	11.054	186.761	4.073
0.1990	1.1249	1589.59	351.81	-0.7730	-5.91	1788.18	10.840	181.311	4.125
0.2947	1.1284	1611.07	341.44	-0.9005	-6.46	1817.90	10.630	176.012	4.181
0.4009	1.1323	1634.26	330.67	-1.0175	-6.33	1850.47	10.407	170.150	4.241
0.4954	1.1352	1656.32	321.11	-0.9942	-6.21	1880.22	10.216	165.058	4.298
0.5934	1.1381	1677.26	312.34	-0.9284	-4.92	1908.84	10.038	159.809	4.353
0.7042	1.1407	1704.02	301.91	-0.7313	-3.98	1943.78	9.834	153.999	4.423
0.8011	1.1428	1727.27	293.31	-0.5049	-2.64	1973.87	9.667	148.966	4.483
0.9028	1.1448	1752.89	284.28	-0.2343	-1.24	2006.78	9.491	143.716	4.550

x_1	ρ / gcm^{-3}	$u / \text{m s}^{-1}$	$\kappa_S / \text{TPa}^{-1}$	$V^E / \text{cm}^3 \text{mol}^{-1}$	$\delta\kappa_S / \text{TPa}^{-1}$	$Z \times 10^{-3} / \text{kg m}^{-2} \text{s}^{-1}$	$L_f / \text{Å}$	$B / \text{cm}^3 \text{mol}^{-1}$	$S \times 10^6$
T = 330.15 K									
0.0000	1.1163	1542.97	376.26	0.0000	0.00	1722.47	11.321	192.671	4.004
0.0502	1.1197	1562.52	365.81	-0.3845	-5.35	1749.51	11.113	189.626	4.054
0.1025	1.1218	1573.00	360.26	-0.5383	-5.58	1764.64	10.996	186.650	4.081
0.1990	1.1257	1592.97	350.07	-0.7752	-5.96	1793.25	10.783	181.205	4.133
0.2947	1.1292	1614.45	339.78	-0.9018	-6.52	1822.97	10.575	175.913	4.189
0.4009	1.1331	1637.66	329.08	-1.0195	-6.42	1855.58	10.353	170.055	4.249
0.4954	1.1359	1659.73	319.58	-0.9966	-6.32	1885.34	10.164	164.969	4.307
0.5934	1.1388	1680.64	310.89	-0.9307	-5.04	1913.92	9.987	159.725	4.361
0.7042	1.1414	1707.30	300.56	-0.7332	-4.10	1948.73	9.786	153.920	4.431
0.8011	1.1435	1730.45	292.05	-0.5065	-2.76	1978.70	9.621	148.893	4.491
0.9028	1.1455	1755.82	283.17	-0.2347	-1.30	2011.29	9.448	143.649	4.557
T = 329.15 K									
0.0000	1.1171	1546.26	374.39	0.0000	0.00	1727.38	11.261	192.556	4.012
0.0502	1.1205	1565.90	363.98	-0.3849	-5.36	1754.54	11.054	189.514	4.062
0.1025	1.1226	1576.35	358.47	-0.5402	-5.59	1769.67	10.938	186.539	4.090
0.1990	1.1265	1596.36	348.34	-0.7759	-6.00	1798.32	10.727	181.101	4.141
0.2947	1.1299	1617.87	338.11	-0.9016	-6.59	1828.07	10.520	175.814	4.197
0.4009	1.1338	1641.09	327.48	-1.0206	-6.52	1860.71	10.300	169.962	4.258
0.4954	1.1367	1663.16	318.05	-0.9973	-6.43	1890.47	10.113	164.880	4.315
0.5934	1.1395	1684.07	309.42	-0.9323	-5.18	1919.06	9.937	159.641	4.370
0.7042	1.1421	1710.62	299.21	-0.7350	-4.23	1953.74	9.739	153.842	4.439
0.8011	1.1441	1733.62	290.81	-0.5078	-2.86	1983.51	9.575	148.820	4.499
0.9028	1.1462	1758.75	282.06	-0.2356	-1.36	2015.80	9.405	143.582	4.564
T = 328.15 K									
0.0000	1.1179	1549.56	372.54	0.0000	0.00	1732.29	11.202	192.443	4.020
0.0502	1.1213	1569.27	362.15	-0.3885	-5.37	1759.59	10.995	189.400	4.071
0.1025	1.1234	1579.71	356.69	-0.5431	-5.61	1774.70	10.880	186.429	4.098
0.1990	1.1273	1599.79	346.61	-0.7781	-6.06	1803.44	10.670	180.996	4.150
0.2947	1.1307	1621.29	336.46	-0.9039	-6.65	1833.19	10.466	175.715	4.206
0.4009	1.1346	1644.53	325.89	-1.0230	-6.61	1865.87	10.247	169.868	4.266
0.4954	1.1374	1666.62	316.52	-0.9990	-6.55	1895.64	10.061	164.792	4.323
0.5934	1.1403	1687.51	307.97	-0.9341	-5.32	1924.21	9.887	159.558	4.378
0.7042	1.1428	1713.97	297.86	-0.7368	-4.37	1958.77	9.691	153.765	4.447
0.8011	1.1448	1736.81	289.57	-0.5093	-2.98	1988.35	9.530	148.748	4.507
0.9028	1.1468	1761.68	280.96	-0.2371	-1.43	2020.32	9.363	143.514	4.571
T = 327.15 K									
0.0000	1.1187	1552.89	370.68	0.0000	0.00	1737.26	11.142	192.329	4.028
0.0502	1.1221	1572.66	360.33	-0.3891	-5.38	1764.65	10.937	189.288	4.079
0.1025	1.1242	1583.11	354.91	-0.5435	-5.62	1779.78	10.823	186.320	4.106
0.1990	1.1281	1603.22	344.88	-0.7790	-6.11	1808.57	10.614	180.892	4.158
0.2947	1.1315	1624.73	334.81	-0.9037	-6.72	1838.33	10.411	175.616	4.214
0.4009	1.1353	1647.99	324.31	-1.0233	-6.71	1871.04	10.194	169.775	4.275
0.4954	1.1382	1670.09	315.00	-0.9996	-6.67	1900.83	10.010	164.704	4.332
0.5934	1.1410	1690.94	306.52	-0.9349	-5.45	1929.35	9.837	159.475	4.386
0.7042	1.1435	1717.31	296.52	-0.7379	-4.50	1963.81	9.643	153.687	4.455
0.8011	1.1455	1739.97	288.35	-0.5110	-3.08	1993.17	9.485	148.675	4.514
0.9028	1.1475	1764.60	279.88	-0.2372	-1.49	2024.83	9.321	143.448	4.579
T = 326.15 K									
0.0000	1.1195	1556.24	368.82	0.0000	0.00	1742.25	11.083	192.215	4.037
0.0502	1.1229	1576.07	358.52	-0.3910	-5.38	1769.75	10.879	189.175	4.087

x_1	ρ / gcm^{-3}	$u / \text{m s}^{-1}$	$\kappa_s / \text{TPa}^{-1}$	$V^E / \text{cm}^3 \text{mol}^{-1}$	$\delta\kappa_s / \text{TPa}^{-1}$	$Z \times 10^{-3} / \text{kg m}^{-2} \text{s}^{-1}$	$L_f / \text{\AA}$	$B / \text{cm}^3 \text{mol}^{-1}$	$S \times 10^6$
0.1025	1.1250	1586.52	353.14	-0.5439	-5.63	1784.87	10.766	186.211	4.114
0.1990	1.1289	1606.68	343.16	-0.7794	-6.16	1813.73	10.559	180.788	4.167
0.2947	1.1322	1628.19	333.16	-0.9035	-6.78	1843.49	10.357	175.519	4.223
0.4009	1.1361	1651.47	322.73	-1.0248	-6.80	1876.25	10.142	169.681	4.283
0.4954	1.1389	1673.58	313.49	-1.0006	-6.78	1906.05	9.959	164.616	4.340
0.5934	1.1417	1694.39	305.08	-0.9365	-5.59	1934.52	9.788	159.392	4.395
0.7042	1.1442	1720.67	295.18	-0.7394	-4.63	1968.86	9.596	153.610	4.463
0.8011	1.1462	1743.13	287.13	-0.5110	-3.18	1997.96	9.440	148.604	4.522
0.9028	1.1481	1767.50	278.80	-0.2374	-1.55	2029.31	9.279	143.381	4.586
T = 325.15 K									
0.0000	1.1203	1559.62	366.96	0.0000	0.00	1747.28	11.024	192.101	4.045
0.0502	1.1237	1579.47	356.73	-0.3910	-5.36	1774.82	10.821	189.064	4.096
0.1025	1.1258	1589.97	351.36	-0.5456	-5.65	1790.02	10.709	186.101	4.123
0.1990	1.1297	1610.16	341.44	-0.7812	-6.20	1818.93	10.503	180.684	4.175
0.2947	1.1330	1631.71	331.50	-0.9043	-6.86	1848.73	10.303	175.421	4.231
0.4009	1.1369	1655.00	321.14	-1.0257	-6.91	1881.51	10.089	169.589	4.292
0.4954	1.1396	1677.13	311.96	-1.0013	-6.92	1911.33	9.907	164.530	4.349
0.5934	1.1424	1697.88	303.63	-0.9379	-5.73	1939.74	9.738	159.309	4.403
0.7042	1.1449	1724.06	293.84	-0.7412	-4.77	1973.96	9.549	153.533	4.472
0.8011	1.1469	1746.31	285.92	-0.5137	-3.29	2002.81	9.395	148.531	4.530
0.9028	1.1488	1770.43	277.72	-0.2386	-1.62	2033.82	9.237	143.315	4.593
0.9534	1.1498	1783.16	273.53	-0.1015	-0.89	2050.22	9.155	140.721	4.626
1.0000	1.1509	1794.22	269.90	0.0000	0.00	2064.99	9.080	138.306	4.655
T = 324.15 K									
0.0000	1.1211	1563.02	365.10	0.0000	0.00	1752.35	10.966	191.986	4.053
0.0502	1.1245	1582.91	354.92	-0.3906	-5.35	1779.96	10.763	188.952	4.104
0.1025	1.1266	1593.43	349.59	-0.5439	-5.66	1795.17	10.652	185.994	4.131
0.1990	1.1304	1613.66	339.73	-0.7799	-6.25	1824.14	10.447	180.582	4.184
0.2947	1.1338	1635.25	329.84	-0.9036	-6.93	1854.00	10.249	175.323	4.240
0.4009	1.1376	1658.52	319.57	-1.0255	-7.00	1886.76	10.037	169.497	4.300
0.4954	1.1404	1680.68	310.44	-1.0009	-7.04	1916.61	9.857	164.443	4.358
0.5934	1.1432	1701.36	302.20	-0.9382	-5.86	1944.94	9.689	159.227	4.412
0.7042	1.1456	1727.42	292.52	-0.7418	-4.90	1979.02	9.502	153.457	4.480
0.8011	1.1476	1749.48	284.71	-0.5144	-3.39	2007.63	9.351	148.459	4.537
0.9028	1.1494	1773.30	276.67	-0.2388	-1.66	2038.27	9.195	143.249	4.600
0.9534	1.1504	1785.87	272.55	-0.1023	-0.91	2054.48	9.115	140.657	4.633
1.0000	1.1515	1796.79	268.99	0.0000	0.00	2069.06	9.042	138.245	4.661
T = 323.15 K									
0.0000	1.1219	1566.47	363.24	0.0000	0.00	1757.46	10.907	191.875	4.062
0.0502	1.1253	1586.38	353.12	-0.3913	-5.34	1785.12	10.706	188.842	4.112
0.1025	1.1274	1596.92	347.82	-0.5457	-5.66	1800.37	10.595	185.885	4.140
0.1990	1.1312	1617.15	338.03	-0.7814	-6.27	1829.35	10.392	180.479	4.192
0.2947	1.1345	1638.79	328.20	-0.9036	-6.99	1859.26	10.195	175.227	4.248
0.4009	1.1384	1662.10	317.98	-1.0266	-7.10	1892.09	9.985	169.405	4.309
0.4954	1.1411	1684.26	308.92	-1.0024	-7.17	1921.94	9.806	164.356	4.367
0.5934	1.1439	1704.88	300.76	-0.9402	-6.00	1950.21	9.640	159.145	4.420
0.7042	1.1464	1730.81	291.19	-0.7432	-5.02	1984.12	9.455	153.381	4.488
0.8011	1.1482	1752.64	283.52	-0.5149	-3.48	2012.44	9.307	148.388	4.545
0.9028	1.1501	1776.20	275.61	-0.2398	-1.71	2042.77	9.154	143.182	4.607
0.9534	1.1510	1788.55	271.59	-0.1024	-0.92	2058.70	9.075	140.594	4.639
1.0000	1.1522	1799.38	268.07	0.0000	0.00	2073.16	9.003	138.184	4.667

x_1	ρ / gcm^{-3}	$u / \text{m s}^{-1}$	$\kappa_S / \text{TPa}^{-1}$	$V^E / \text{cm}^3 \text{mol}^{-1}$	$\delta\kappa_S / \text{TPa}^{-1}$	$Z \times 10^{-3} / \text{kg m}^{-2} \text{s}^{-1}$	$L_f / \text{Å}$	$B / \text{cm}^3 \text{mol}^{-1}$	$S \times 10^6$
T = 322.15 K									
0.0000	1.1227	1569.92	361.39	0.0000	0.00	1762.57	10.849	191.763	4.070
0.0502	1.1261	1589.87	351.33	-0.3932	-5.33	1790.31	10.649	188.731	4.121
0.1025	1.1282	1600.46	346.04	-0.5471	-5.69	1805.63	10.539	185.778	4.149
0.1990	1.1320	1620.70	336.32	-0.7818	-6.32	1834.62	10.337	180.377	4.201
0.2947	1.1353	1642.40	326.54	-0.9036	-7.08	1864.61	10.141	175.131	4.257
0.4009	1.1391	1665.69	316.40	-1.0271	-7.21	1897.42	9.933	169.314	4.318
0.4954	1.1419	1687.84	307.42	-1.0035	-7.30	1927.27	9.755	164.269	4.375
0.5934	1.1446	1708.42	299.33	-0.9412	-6.15	1955.49	9.591	159.063	4.429
0.7042	1.1471	1734.19	289.88	-0.7446	-5.15	1989.21	9.409	153.304	4.496
0.8011	1.1489	1755.84	282.32	-0.5159	-3.59	2017.31	9.263	148.317	4.553
0.9028	1.1507	1779.09	274.56	-0.2404	-1.77	2047.25	9.113	143.116	4.614
0.9534	1.1517	1791.26	270.62	-0.1025	-0.94	2062.95	9.036	140.530	4.646
1.0000	1.1528	1801.93	267.16	0.0000	0.00	2077.22	8.965	138.123	4.674
T = 321.15 K									
0.0000	1.1235	1573.39	359.54	0.0000	0.00	1767.72	10.791	191.651	4.079
0.0502	1.1269	1593.40	349.52	-0.3936	-5.34	1795.55	10.592	188.621	4.130
0.1025	1.1290	1604.01	344.27	-0.5469	-5.71	1810.90	10.482	185.671	4.157
0.1990	1.1328	1624.29	334.61	-0.7815	-6.37	1839.94	10.282	180.276	4.210
0.2947	1.1361	1646.03	324.88	-0.9041	-7.17	1869.98	10.088	175.034	4.266
0.4009	1.1399	1669.32	314.82	-1.0282	-7.33	1902.81	9.881	169.223	4.327
0.4954	1.1426	1691.46	305.90	-1.0042	-7.43	1932.65	9.705	164.183	4.384
0.5934	1.1453	1711.97	297.90	-0.9426	-6.29	1960.79	9.543	158.982	4.438
0.7042	1.1478	1737.60	288.57	-0.7462	-5.28	1994.34	9.362	153.228	4.505
0.8011	1.1496	1759.02	281.14	-0.5172	-3.68	2022.15	9.219	148.246	4.561
0.9028	1.1514	1781.96	273.52	-0.2408	-1.81	2051.70	9.072	143.051	4.621
0.9534	1.1523	1793.94	269.66	-0.1031	-0.95	2067.17	8.997	140.467	4.652
1.0000	1.1534	1804.50	266.26	0.0000	0.00	2081.29	8.927	138.063	4.680
T = 320.15 K									
0.0000	1.1243	1576.89	357.70	0.0000	0.00	1772.90	10.733	191.539	4.087
0.0502	1.1277	1596.95	347.73	-0.3931	-5.33	1800.81	10.535	188.512	4.138
0.1025	1.1298	1607.58	342.50	-0.5471	-5.73	1816.19	10.426	185.565	4.166
0.1990	1.1335	1627.90	332.90	-0.7820	-6.43	1845.29	10.228	180.174	4.219
0.2947	1.1368	1649.68	323.23	-0.9030	-7.26	1875.37	10.035	174.940	4.275
0.4009	1.1406	1672.99	313.24	-1.0285	-7.44	1908.24	9.829	169.133	4.336
0.4954	1.1433	1695.10	304.40	-1.0040	-7.56	1938.04	9.655	164.099	4.393
0.5934	1.1461	1715.55	296.47	-0.9436	-6.43	1966.12	9.494	158.901	4.447
0.7042	1.1484	1740.96	287.28	-0.7469	-5.39	1999.40	9.317	153.153	4.513
0.8011	1.1503	1762.18	279.96	-0.5192	-3.77	2026.98	9.175	148.175	4.568
0.9028	1.1520	1784.81	272.49	-0.2421	-1.85	2056.14	9.032	142.986	4.628
0.9534	1.1529	1796.63	268.71	-0.1041	-0.97	2071.41	8.958	140.404	4.659
1.0000	1.1540	1807.06	265.37	0.0000	0.00	2085.35	8.890	138.003	4.686
T = 319.15 K									
0.0000	1.1251	1580.40	355.86	0.0000	0.00	1778.10	10.675	191.428	4.096
0.0502	1.1284	1600.56	345.92	-0.3938	-5.35	1806.15	10.478	188.403	4.147
0.1025	1.1306	1611.19	340.73	-0.5475	-5.76	1821.53	10.370	185.459	4.175
0.1990	1.1343	1631.56	331.18	-0.7817	-6.50	1850.69	10.173	180.074	4.228
0.2947	1.1376	1653.34	321.59	-0.9026	-7.34	1880.78	9.982	174.845	4.284
0.4009	1.1414	1676.68	311.66	-1.0290	-7.57	1913.71	9.777	169.043	4.345
0.4954	1.1441	1698.76	302.89	-1.0052	-7.70	1943.47	9.605	164.013	4.402
0.5934	1.1468	1719.15	295.05	-0.9444	-6.58	1971.47	9.446	158.821	4.455

x_1	ρ / gcm^{-3}	$u / \text{m s}^{-1}$	$\kappa_s / \text{TPa}^{-1}$	$V^E / \text{cm}^3 \text{mol}^{-1}$	$\delta\kappa_s / \text{TPa}^{-1}$	$Z \times 10^{-3} / \text{kg m}^{-2} \text{s}^{-1}$	$L_f / \text{\AA}$	$B / \text{cm}^3 \text{mol}^{-1}$	$S \times 10^6$
0.7042	1.1491	1744.36	285.99	-0.7487	-5.52	2004.52	9.271	153.077	4.521
0.8011	1.1509	1765.36	278.79	-0.5200	-3.86	2031.82	9.132	148.105	4.576
0.9028	1.1527	1787.69	271.46	-0.2420	-1.90	2060.60	8.991	142.921	4.635
0.9534	1.1536	1799.32	267.76	-0.1045	-0.98	2075.65	8.919	140.341	4.665
1.0000	1.1546	1809.61	264.48	0.0000	0.00	2089.41	8.852	137.943	4.692
T = 318.15 K									
0.0000	1.1259	1583.95	354.02	0.0000	0.00	1783.34	10.617	191.317	4.104
0.0502	1.1292	1604.16	344.13	-0.3935	-5.35	1811.47	10.422	188.295	4.156
0.1025	1.1313	1614.83	338.97	-0.5469	-5.78	1826.90	10.314	185.354	4.184
0.1990	1.1351	1635.25	329.46	-0.7814	-6.56	1856.14	10.118	179.975	4.237
0.2947	1.1383	1657.05	319.93	-0.9031	-7.43	1886.26	9.928	174.749	4.293
0.4009	1.1421	1680.43	310.06	-1.0288	-7.70	1919.23	9.726	168.954	4.354
0.4954	1.1448	1702.43	301.40	-1.0057	-7.83	1948.92	9.555	163.928	4.411
0.5934	1.1475	1722.73	293.64	-0.9452	-6.72	1976.81	9.398	158.741	4.464
0.7042	1.1498	1747.75	284.71	-0.7494	-5.63	2009.63	9.226	153.003	4.529
0.8011	1.1516	1768.54	277.63	-0.5209	-3.95	2036.67	9.089	148.035	4.584
0.9028	1.1533	1790.55	270.45	-0.2431	-1.94	2065.06	8.951	142.855	4.642
0.9534	1.1542	1802.02	266.81	-0.1048	-1.00	2079.89	8.880	140.279	4.672
1.0000	1.1552	1812.16	263.60	0.0000	0.00	2093.46	8.815	137.883	4.698
T = 317.15 K									
0.0000	1.1267	1587.56	352.16	0.0000	0.00	1788.66	10.560	191.207	4.113
0.0502	1.1300	1607.82	342.33	-0.3935	-5.35	1816.87	10.365	188.188	4.165
0.1025	1.1321	1618.46	337.22	-0.5472	-5.78	1832.27	10.259	185.249	4.193
0.1990	1.1358	1638.96	327.75	-0.7815	-6.61	1861.61	10.064	179.875	4.246
0.2947	1.1391	1660.79	318.28	-0.9032	-7.52	1891.78	9.876	174.655	4.302
0.4009	1.1428	1684.15	308.50	-1.0291	-7.81	1924.73	9.674	168.864	4.363
0.4954	1.1455	1706.12	299.90	-1.0064	-7.95	1954.38	9.505	163.843	4.420
0.5934	1.1482	1726.32	292.24	-0.9464	-6.84	1982.16	9.350	158.661	4.473
0.7042	1.1505	1751.15	283.44	-0.7496	-5.74	2014.73	9.181	152.929	4.538
0.8011	1.1523	1771.69	276.48	-0.5219	-4.03	2041.48	9.047	147.965	4.591
0.9028	1.1539	1793.40	269.44	-0.2436	-1.97	2069.49	8.911	142.791	4.648
0.9534	1.1548	1804.68	265.88	-0.1054	-1.01	2084.09	8.842	140.217	4.678
1.0000	1.1558	1814.71	262.72	0.0000	0.00	2097.52	8.778	137.824	4.704
T = 316.15 K									
0.0000	1.1275	1591.15	350.33	0.0000	0.00	1793.98	10.503	191.094	4.122
0.0502	1.1308	1611.48	340.54	-0.3907	-5.35	1822.26	10.309	188.081	4.174
0.1025	1.1329	1622.14	335.45	-0.5460	-5.80	1837.71	10.204	185.143	4.202
0.1990	1.1366	1642.70	326.03	-0.7839	-6.69	1867.16	10.010	179.771	4.255
0.2947	1.1399	1664.54	316.64	-0.9050	-7.61	1897.34	9.822	174.557	4.312
0.4009	1.1436	1687.90	306.92	-1.0307	-7.93	1930.29	9.623	168.773	4.372
0.4954	1.1463	1709.84	298.40	-1.0103	-8.09	1959.94	9.456	163.755	4.429
0.5934	1.1489	1729.92	290.85	-0.9457	-6.98	1987.52	9.303	158.582	4.482
0.7042	1.1512	1754.55	282.17	-0.7500	-5.85	2019.86	9.136	152.855	4.546
0.8011	1.1529	1774.84	275.34	-0.5220	-4.10	2046.29	9.004	147.896	4.599
0.9028	1.1546	1796.26	268.43	-0.2444	-2.01	2073.94	8.871	142.726	4.655
0.9534	1.1555	1807.37	264.94	-0.1059	-1.02	2088.33	8.804	140.155	4.685
1.0000	1.1564	1817.25	261.84	0.0000	0.00	2101.56	8.741	137.765	4.711

x_1	ρ / gcm^{-3}	$u / \text{m s}^{-1}$	$\kappa_S / \text{TPa}^{-1}$	$V^E / \text{cm}^3 \text{mol}^{-1}$	$\delta\kappa_S / \text{TPa}^{-1}$	$Z \times 10^{-3} / \text{kg m}^{-2} \text{s}^{-1}$	$L_f / \text{Å}$	$B / \text{cm}^3 \text{mol}^{-1}$	$S \times 10^6$
T = 315.15 K									
0.0000	1.1283	1594.85	348.45	0.0000	0.00	1799.45	10.445	190.980	4.131
0.0502	1.1316	1615.18	338.74	-0.3906	-5.32	1827.76	10.253	187.969	4.183
0.1025	1.1337	1625.88	333.68	-0.5463	-5.81	1843.26	10.148	185.034	4.211
0.1990	1.1374	1646.50	324.30	-0.7845	-6.74	1872.79	9.955	179.668	4.264
0.2947	1.1406	1668.36	314.97	-0.9061	-7.70	1903.00	9.769	174.459	4.321
0.4009	1.1444	1691.68	305.35	-1.0330	-8.04	1935.93	9.572	168.679	4.381
0.4954	1.1470	1713.58	296.90	-1.0129	-8.21	1965.52	9.406	163.666	4.438
0.5934	1.1496	1733.52	289.46	-0.9458	-7.09	1992.90	9.256	158.501	4.490
0.7042	1.1519	1757.95	280.91	-0.7493	-5.94	2024.98	9.091	152.781	4.554
0.8011	1.1536	1777.98	274.21	-0.5225	-4.17	2051.10	8.962	147.825	4.607
0.9028	1.1552	1799.11	267.43	-0.2443	-2.05	2078.38	8.832	142.662	4.662
0.9534	1.1561	1810.05	264.02	-0.1056	-1.04	2092.55	8.766	140.094	4.691
1.0000	1.1571	1819.78	260.98	0.0000	0.00	2105.59	8.704	137.706	4.717
T = 314.15 K									
0.0000	1.1291	1598.55	346.59	0.0000	0.00	1804.93	10.387	190.866	4.140
0.0502	1.1324	1618.89	336.94	-0.3906	-5.30	1833.26	10.196	187.858	4.192
0.1025	1.1345	1629.65	331.90	-0.5470	-5.83	1848.85	10.092	184.926	4.220
0.1990	1.1382	1650.30	322.58	-0.7856	-6.80	1878.42	9.901	179.565	4.274
0.2947	1.1414	1672.18	313.32	-0.9073	-7.79	1908.67	9.716	174.361	4.330
0.4009	1.1451	1695.49	303.77	-1.0349	-8.15	1941.59	9.521	168.587	4.391
0.4954	1.1478	1717.34	295.41	-1.0158	-8.34	1971.14	9.356	163.578	4.448
0.5934	1.1504	1737.13	288.07	-0.9489	-7.21	1998.33	9.208	158.418	4.499
0.7042	1.1526	1761.32	279.67	-0.7489	-6.02	2030.07	9.047	152.707	4.562
0.8011	1.1543	1781.11	273.09	-0.5218	-4.22	2055.89	8.920	147.757	4.614
0.9028	1.1559	1801.94	266.45	-0.2439	-2.07	2082.79	8.793	142.599	4.669
0.9534	1.1567	1812.72	263.10	-0.1062	-1.05	2096.77	8.728	140.032	4.697
1.0000	1.1577	1822.32	260.12	0.0000	0.00	2109.63	8.667	137.647	4.723
T = 313.15 K									
0.0000	1.1299	1602.29	344.72	0.0000	0.00	1810.46	10.329	190.752	4.149
0.0502	1.1332	1622.66	335.14	-0.3904	-5.29	1838.85	10.140	187.747	4.201
0.1025	1.1353	1633.46	330.12	-0.5471	-5.85	1854.49	10.036	184.818	4.229
0.1990	1.1390	1654.12	320.87	-0.7858	-6.84	1884.08	9.846	179.462	4.283
0.2947	1.1422	1676.06	311.66	-0.9083	-7.88	1914.40	9.664	174.263	4.340
0.4009	1.1459	1699.32	302.20	-1.0370	-8.26	1947.28	9.470	168.494	4.400
0.4954	1.1485	1721.10	293.93	-1.0183	-8.46	1976.75	9.307	163.490	4.457
0.5934	1.1511	1740.72	286.70	-0.9521	-7.31	2003.75	9.161	158.335	4.508
0.7042	1.1533	1764.71	278.43	-0.7517	-6.11	2035.22	9.002	152.630	4.571
0.8011	1.1549	1784.23	271.98	-0.5222	-4.28	2060.67	8.879	147.688	4.622
0.9028	1.1565	1804.79	265.46	-0.2453	-2.11	2087.24	8.754	142.534	4.676
0.9534	1.1573	1815.37	262.19	-0.1068	-1.05	2100.96	8.690	139.971	4.704
1.0000	1.1583	1824.86	259.26	0.0000	0.00	2113.67	8.631	137.589	4.729
T = 312.15 K									
0.0000	1.1307	1606.07	342.86	0.0000	0.00	1816.04	10.272	190.638	4.159
0.0502	1.1340	1626.46	333.34	-0.3899	-5.28	1844.47	10.084	187.637	4.211
0.1025	1.1361	1637.30	328.34	-0.5467	-5.86	1860.16	9.981	184.710	4.239
0.1990	1.1398	1658.01	319.15	-0.7862	-6.90	1889.83	9.792	179.359	4.292
0.2947	1.1430	1679.94	310.01	-0.9087	-7.96	1920.14	9.611	174.166	4.349
0.4009	1.1467	1703.14	300.65	-1.0381	-8.35	1952.96	9.419	168.402	4.410
0.4954	1.1493	1724.86	292.46	-1.0202	-8.56	1982.37	9.258	163.402	4.466
0.5934	1.1518	1744.34	285.33	-0.9547	-7.41	2009.20	9.114	158.252	4.517

x_1	ρ / gcm^{-3}	$u / \text{m s}^{-1}$	$\kappa_s / \text{TPa}^{-1}$	$V^E / \text{cm}^3 \text{mol}^{-1}$	$\delta\kappa_s / \text{TPa}^{-1}$	$Z \times 10^{-3} / \text{kg m}^{-2} \text{s}^{-1}$	$L_f / \text{Å}$	$B / \text{cm}^3 \text{mol}^{-1}$	$S \times 10^6$
0.7042	1.1540	1768.09	277.19	-0.7544	-6.19	2040.38	8.958	152.553	4.579
0.8011	1.1556	1787.35	270.88	-0.5231	-4.33	2065.48	8.837	147.617	4.630
0.9028	1.1571	1807.62	264.49	-0.2433	-2.12	2091.64	8.715	142.471	4.683
0.9534	1.1579	1818.02	261.29	-0.1054	-1.05	2105.14	8.653	139.910	4.710
1.0000	1.1589	1827.40	258.40	0.0000	0.00	2117.72	8.595	137.530	4.735
T = 311.15 K									
0.0000	1.1315	1609.89	340.99	0.0000	0.00	1821.66	10.215	190.526	4.168
0.0502	1.1348	1630.30	331.53	-0.3903	-5.26	1850.14	10.028	187.526	4.220
0.1025	1.1369	1641.19	326.55	-0.5472	-5.88	1865.89	9.926	184.603	4.248
0.1990	1.1406	1661.90	317.44	-0.7868	-6.95	1895.57	9.739	179.258	4.302
0.2947	1.1438	1683.85	308.36	-0.9103	-8.04	1925.92	9.559	174.069	4.359
0.4009	1.1474	1706.99	299.09	-1.0403	-8.45	1958.68	9.369	168.310	4.419
0.4954	1.1500	1728.61	291.00	-1.0231	-8.65	1987.97	9.210	163.315	4.475
0.5934	1.1526	1747.94	283.97	-0.9579	-7.50	2014.62	9.068	158.170	4.526
0.7042	1.1547	1771.45	275.97	-0.7586	-6.26	2045.52	8.914	152.476	4.587
0.8011	1.1563	1790.46	269.77	-0.5273	-4.37	2070.31	8.796	147.545	4.637
0.9028	1.1578	1810.46	263.51	-0.2443	-2.15	2096.07	8.676	142.408	4.690
0.9534	1.1585	1820.67	260.39	-0.1065	-1.05	2109.33	8.616	139.849	4.717
1.0000	1.1595	1829.94	257.55	0.0000	0.00	2121.76	8.559	137.472	4.741
T = 310.15 K									
0.0000	1.1324	1613.73	339.12	0.0000	0.00	1827.31	10.158	190.414	4.177
0.0502	1.1357	1634.21	329.72	-0.3900	-5.27	1855.89	9.972	187.417	4.230
0.1025	1.1377	1645.09	324.78	-0.5472	-5.90	1871.64	9.870	184.497	4.258
0.1990	1.1414	1665.84	315.72	-0.7876	-7.01	1901.38	9.685	179.156	4.312
0.2947	1.1445	1687.80	306.71	-0.9115	-8.13	1931.75	9.506	173.972	4.369
0.4009	1.1482	1710.89	297.53	-1.0426	-8.55	1964.47	9.318	168.219	4.429
0.4954	1.1508	1732.40	289.54	-1.0260	-8.76	1993.63	9.161	163.228	4.484
0.5934	1.1533	1751.60	282.61	-0.9617	-7.61	2020.13	9.021	158.087	4.535
0.7042	1.1554	1774.82	274.76	-0.7630	-6.33	2050.68	8.871	152.399	4.595
0.8011	1.1570	1793.58	268.68	-0.5322	-4.43	2075.15	8.754	147.473	4.645
0.9028	1.1584	1813.28	262.55	-0.2490	-2.18	2100.54	8.638	142.341	4.697
0.9534	1.1592	1823.34	259.49	-0.1072	-1.06	2113.55	8.579	139.789	4.723
1.0000	1.1601	1832.47	256.71	0.0000	0.00	2125.78	8.523	137.415	4.747
T = 309.15 K									
0.0000	1.1332	1617.59	337.27	0.0000	0.00	1832.99	10.101	190.302	4.187
0.0502	1.1365	1638.13	327.91	-0.3899	-5.27	1861.66	9.917	187.308	4.239
0.1025	1.1385	1649.02	323.01	-0.5473	-5.92	1877.43	9.816	184.390	4.268
0.1990	1.1422	1669.84	313.99	-0.7883	-7.08	1907.26	9.631	179.055	4.321
0.2947	1.1453	1691.77	305.07	-0.9120	-8.21	1937.60	9.454	173.876	4.378
0.4009	1.1490	1714.78	295.99	-1.0439	-8.65	1970.24	9.268	168.128	4.438
0.4954	1.1515	1736.14	288.10	-1.0283	-8.84	1999.24	9.113	163.141	4.494
0.5934	1.1540	1755.19	281.28	-0.9642	-7.69	2025.56	8.975	158.005	4.543
0.7042	1.1561	1778.16	273.56	-0.7656	-6.39	2055.80	8.827	152.322	4.604
0.8011	1.1577	1796.70	267.59	-0.5354	-4.48	2080.00	8.713	147.401	4.652
0.9028	1.1591	1816.09	261.59	-0.2521	-2.20	2104.99	8.599	142.275	4.703
0.9534	1.1598	1825.98	258.60	-0.1083	-1.06	2117.75	8.542	139.727	4.730
1.0000	1.1607	1835.00	255.87	0.0000	0.00	2129.82	8.487	137.357	4.753

x_1	ρ / gcm^{-3}	$u / \text{m s}^{-1}$	$\kappa_S / \text{TPa}^{-1}$	$V^E / \text{cm}^3 \text{mol}^{-1}$	$\delta\kappa_S / \text{TPa}^{-1}$	$Z \times 10^{-3} / \text{kg m}^{-2} \text{s}^{-1}$	$L_f / \text{Å}$	$B / \text{cm}^3 \text{mol}^{-1}$	$S \times 10^6$
T = 308.15 K									
0.0000	1.1340	1621.53	335.39	0.0000	0.00	1838.76	10.044	190.190	4.197
0.0502	1.1373	1642.09	326.10	-0.3894	-5.26	1867.47	9.861	187.200	4.249
0.1025	1.1393	1653.00	321.23	-0.5472	-5.93	1883.28	9.761	184.284	4.277
0.1990	1.1430	1673.88	312.26	-0.7882	-7.14	1913.19	9.577	178.954	4.331
0.2947	1.1461	1695.76	303.43	-0.9124	-8.28	1943.49	9.402	173.780	4.388
0.4009	1.1497	1718.70	294.44	-1.0446	-8.73	1976.05	9.218	168.037	4.448
0.4954	1.1523	1739.92	286.67	-1.0290	-8.91	2004.89	9.065	163.055	4.503
0.5934	1.1548	1758.83	279.94	-0.9650	-7.77	2031.04	8.930	157.924	4.552
0.7042	1.1568	1781.51	272.36	-0.7670	-6.44	2060.93	8.784	152.246	4.612
0.8011	1.1584	1799.82	266.50	-0.5366	-4.51	2084.84	8.672	147.329	4.660
0.9028	1.1597	1818.89	260.63	-0.2532	-2.21	2109.43	8.561	142.208	4.710
0.9534	1.1604	1828.65	257.70	-0.1092	-1.07	2122.03	8.505	139.663	4.736
1.0000	1.1613	1837.52	255.03	0.0000	0.00	2133.90	8.451	137.296	4.759
T = 307.15 K									
0.0000	1.1348	1625.53	333.50	0.0000	0.00	1844.61	9.987	190.080	4.206
0.0502	1.1381	1646.10	324.28	-0.3893	-5.24	1873.35	9.806	187.091	4.259
0.1025	1.1401	1657.03	319.44	-0.5469	-5.93	1889.19	9.706	184.179	4.287
0.1990	1.1438	1677.94	310.54	-0.7881	-7.18	1919.15	9.524	178.854	4.341
0.2947	1.1469	1699.77	301.79	-0.9125	-8.34	1949.40	9.351	173.684	4.398
0.4009	1.1505	1722.65	292.90	-1.0449	-8.80	1981.90	9.168	167.946	4.457
0.4954	1.1530	1743.73	285.23	-1.0300	-8.98	2010.58	9.018	162.969	4.512
0.5934	1.1555	1762.45	278.61	-0.9662	-7.82	2036.51	8.884	157.842	4.561
0.7042	1.1576	1784.84	271.18	-0.7680	-6.46	2066.05	8.741	152.169	4.620
0.8011	1.1590	1802.92	265.43	-0.5378	-4.53	2089.67	8.631	147.258	4.667
0.9028	1.1604	1821.71	259.68	-0.2540	-2.22	2113.90	8.523	142.142	4.717
0.9534	1.1611	1831.31	256.81	-0.1095	-1.07	2126.29	8.468	139.600	4.742
1.0000	1.1619	1840.09	254.18	0.0000	0.00	2138.03	8.415	137.235	4.766
T = 306.15 K									
0.0000	1.1356	1629.54	331.63	0.0000	0.00	1850.47	9.931	189.969	4.216
0.0502	1.1389	1650.15	322.47	-0.3886	-5.23	1879.28	9.750	186.984	4.269
0.1025	1.1409	1661.08	317.67	-0.5462	-5.94	1895.12	9.652	184.074	4.297
0.1990	1.1445	1682.02	308.82	-0.7878	-7.23	1925.13	9.471	178.754	4.351
0.2947	1.1476	1703.83	300.15	-0.9122	-8.40	1955.37	9.299	173.590	4.408
0.4009	1.1513	1726.59	291.37	-1.0447	-8.87	1987.74	9.119	167.857	4.467
0.4954	1.1538	1747.54	283.81	-1.0304	-9.04	2016.27	8.970	162.883	4.521
0.5934	1.1562	1766.07	277.30	-0.9666	-7.88	2041.97	8.839	157.761	4.570
0.7042	1.1583	1788.21	270.00	-0.7690	-6.51	2071.21	8.699	152.093	4.628
0.8011	1.1597	1806.03	264.36	-0.5386	-4.56	2094.51	8.591	147.186	4.675
0.9028	1.1610	1824.54	258.73	-0.2544	-2.23	2118.38	8.485	142.076	4.724
0.9534	1.1617	1833.96	255.93	-0.1096	-1.06	2130.54	8.431	139.536	4.749
1.0000	1.1625	1842.64	253.34	0.0000	0.00	2142.14	8.380	137.175	4.772
T = 305.15 K									
0.0000	1.1364	1633.64	329.73	0.0000	0.00	1856.44	9.874	189.859	4.226
0.0502	1.1397	1654.24	320.65	-0.3882	-5.21	1885.26	9.695	186.877	4.279
0.1025	1.1417	1665.21	315.87	-0.5462	-5.94	1901.16	9.597	183.970	4.307
0.1990	1.1453	1686.14	307.10	-0.7878	-7.26	1931.17	9.418	178.654	4.361
0.2947	1.1484	1707.93	298.52	-0.9122	-8.46	1961.39	9.248	173.495	4.418
0.4009	1.1520	1730.54	289.86	-1.0450	-8.92	1993.59	9.070	167.767	4.477
0.4954	1.1545	1751.35	282.39	-1.0308	-9.08	2021.97	8.923	162.797	4.531
0.5934	1.1570	1769.69	275.99	-0.9675	-7.92	2047.44	8.794	157.680	4.579

x_1	ρ / gcm^{-3}	$u / \text{m s}^{-1}$	$\kappa_s / \text{TPa}^{-1}$	$V^E / \text{cm}^3 \text{mol}^{-1}$	$\delta\kappa_s / \text{TPa}^{-1}$	$Z \times 10^{-3} / \text{kg m}^{-2} \text{s}^{-1}$	$L_f / \text{\AA}$	$B / \text{cm}^3 \text{mol}^{-1}$	$S \times 10^6$
0.7042	1.1590	1791.54	268.83	-0.7697	-6.52	2076.33	8.656	152.018	4.636
0.8011	1.1604	1809.15	263.29	-0.5393	-4.58	2099.36	8.551	147.116	4.683
0.9028	1.1617	1827.36	257.78	-0.2550	-2.23	2122.85	8.447	142.010	4.731
0.9534	1.1624	1836.64	255.04	-0.1101	-1.06	2134.83	8.395	139.473	4.755
1.0000	1.1632	1845.19	252.51	0.0000	0.00	2146.26	8.344	137.114	4.778
T = 304.15 K									
0.0000	1.1372	1637.78	327.84	0.0000	0.00	1862.46	9.818	189.750	4.237
0.0502	1.1404	1658.35	318.84	-0.3877	-5.17	1891.26	9.640	186.770	4.289
0.1025	1.1425	1669.37	314.08	-0.5455	-5.95	1907.22	9.543	183.866	4.317
0.1990	1.1461	1690.27	305.40	-0.7875	-7.28	1937.22	9.365	178.555	4.372
0.2947	1.1492	1712.02	296.89	-0.9118	-8.50	1967.40	9.197	173.401	4.428
0.4009	1.1528	1734.50	288.34	-1.0459	-8.96	1999.47	9.021	167.677	4.486
0.4954	1.1553	1755.18	280.98	-1.0316	-9.13	2027.69	8.876	162.712	4.540
0.5934	1.1577	1773.30	274.69	-0.9682	-7.95	2052.90	8.749	157.599	4.588
0.7042	1.1597	1794.92	267.66	-0.7704	-6.55	2081.50	8.614	151.942	4.644
0.8011	1.1611	1812.25	262.24	-0.5405	-4.59	2104.19	8.511	147.044	4.690
0.9028	1.1624	1830.19	256.84	-0.2556	-2.23	2127.33	8.409	141.944	4.738
0.9534	1.1630	1839.33	254.16	-0.1105	-1.07	2139.12	8.358	139.410	4.762
1.0000	1.1638	1847.75	251.68	0.0000	0.00	2150.39	8.309	137.054	4.784
T = 303.15 K									
0.0000	1.1380	1641.96	325.94	0.0000	0.00	1868.53	9.761	189.641	4.247
0.0502	1.1412	1662.53	317.02	-0.3869	-5.15	1897.35	9.585	186.664	4.299
0.1025	1.1433	1673.59	312.29	-0.5455	-5.96	1913.37	9.488	183.762	4.328
0.1990	1.1469	1694.46	303.68	-0.7873	-7.31	1943.34	9.313	178.456	4.382
0.2947	1.1499	1716.17	295.26	-0.9117	-8.55	1973.48	9.146	173.307	4.438
0.4009	1.1535	1738.50	286.83	-1.0461	-9.00	2005.39	8.972	167.587	4.496
0.4954	1.1560	1759.04	279.57	-1.0322	-9.17	2033.46	8.830	162.627	4.550
0.5934	1.1584	1776.96	273.39	-0.9687	-7.99	2058.42	8.705	157.519	4.597
0.7042	1.1604	1798.31	266.49	-0.7718	-6.57	2086.70	8.572	151.867	4.653
0.8011	1.1618	1815.36	261.19	-0.5415	-4.59	2109.04	8.471	146.974	4.698
0.9028	1.1630	1833.03	255.90	-0.2565	-2.24	2131.83	8.371	141.879	4.744
0.9534	1.1636	1842.04	253.27	-0.1110	-1.07	2143.45	8.322	139.348	4.768
1.0000	1.1644	1850.31	250.85	0.0000	0.00	2154.51	8.273	136.994	4.790
T = 302.15 K									
0.0000	1.1388	1646.17	324.05	0.0000	0.00	1874.63	9.705	189.532	4.257
0.0502	1.1420	1666.78	315.18	-0.3868	-5.15	1903.52	9.530	186.558	4.310
0.1025	1.1441	1677.83	310.50	-0.5451	-5.96	1919.53	9.434	183.659	4.338
0.1990	1.1477	1698.68	301.97	-0.7876	-7.35	1949.50	9.260	178.358	4.392
0.2947	1.1507	1720.34	293.64	-0.9120	-8.60	1979.60	9.095	173.213	4.448
0.4009	1.1543	1742.52	285.32	-1.0466	-9.05	2011.34	8.924	167.499	4.506
0.4954	1.1567	1762.88	278.18	-1.0329	-9.20	2039.20	8.783	162.543	4.559
0.5934	1.1591	1780.60	272.11	-0.9698	-8.01	2063.93	8.660	157.439	4.606
0.7042	1.1611	1801.67	265.33	-0.7726	-6.58	2091.86	8.530	151.792	4.661
0.8011	1.1625	1818.48	260.14	-0.5424	-4.60	2113.89	8.431	146.904	4.705
0.9028	1.1637	1835.87	254.97	-0.2570	-2.24	2136.32	8.334	141.814	4.751
0.9534	1.1643	1844.73	252.40	-0.1111	-1.07	2147.75	8.285	139.286	4.775
1.0000	1.1650	1852.88	250.02	0.0000	0.00	2158.65	8.238	136.935	4.796

x_1	ρ / gcm^{-3}	$u / \text{m s}^{-1}$	$\kappa_S / \text{TPa}^{-1}$	$V^E / \text{cm}^3 \text{mol}^{-1}$	$\delta\kappa_S / \text{TPa}^{-1}$	$Z \times 10^{-3} / \text{kg m}^{-2} \text{s}^{-1}$	$L_f / \text{Å}$	$B / \text{cm}^3 \text{mol}^{-1}$	$S \times 10^6$
T = 301.15 K									
0.0000	1.1396	1650.49	322.13	0.0000	0.00	1880.87	9.648	189.424	4.268
0.0502	1.1428	1671.08	313.35	-0.3857	-5.12	1909.75	9.476	186.453	4.320
0.1025	1.1448	1682.12	308.70	-0.5450	-5.95	1925.77	9.380	183.556	4.349
0.1990	1.1484	1702.96	300.25	-0.7869	-7.36	1955.74	9.208	178.260	4.403
0.2947	1.1515	1724.52	292.02	-0.9114	-8.61	1985.72	9.045	173.120	4.459
0.4009	1.1550	1746.58	283.81	-1.0469	-9.07	2017.34	8.876	167.410	4.516
0.4954	1.1575	1766.75	276.78	-1.0332	-9.21	2044.97	8.737	162.458	4.568
0.5934	1.1598	1784.26	270.82	-0.9706	-8.02	2069.45	8.616	157.359	4.614
0.7042	1.1618	1805.07	264.18	-0.7736	-6.59	2097.07	8.489	151.717	4.669
0.8011	1.1631	1821.61	259.10	-0.5433	-4.60	2118.76	8.392	146.834	4.713
0.9028	1.1643	1838.76	254.03	-0.2578	-2.25	2140.88	8.297	141.749	4.758
0.9534	1.1649	1847.44	251.52	-0.1120	-1.06	2152.07	8.249	139.223	4.781
1.0000	1.1656	1855.48	249.19	0.0000	0.00	2162.82	8.203	136.875	4.803
T = 300.15 K									
0.0000	1.1404	1654.82	320.22	0.0000	0.00	1887.12	9.592	189.316	4.278
0.0502	1.1436	1675.43	311.51	-0.3856	-5.11	1916.05	9.421	186.348	4.331
0.1025	1.1456	1686.46	306.90	-0.5442	-5.95	1932.06	9.326	183.454	4.359
0.1990	1.1492	1707.28	298.53	-0.7869	-7.39	1962.02	9.155	178.162	4.413
0.2947	1.1522	1728.71	290.41	-0.9115	-8.63	1991.86	8.995	173.026	4.469
0.4009	1.1558	1750.68	282.30	-1.0471	-9.11	2023.39	8.827	167.322	4.526
0.4954	1.1582	1770.62	275.40	-1.0343	-9.22	2050.76	8.691	162.374	4.578
0.5934	1.1606	1787.94	269.54	-0.9711	-8.03	2075.00	8.572	157.280	4.623
0.7042	1.1625	1808.46	263.03	-0.7746	-6.58	2102.26	8.447	151.643	4.677
0.8011	1.1638	1824.77	258.05	-0.5443	-4.60	2123.67	8.352	146.764	4.721
0.9028	1.1650	1841.63	253.10	-0.2584	-2.24	2145.41	8.260	141.685	4.765
0.9534	1.1655	1850.19	250.64	-0.1123	-1.07	2156.44	8.213	139.162	4.788
1.0000	1.1663	1858.09	248.36	0.0000	0.00	2167.01	8.168	136.816	4.809
T = 299.15 K									
0.0000	1.1412	1659.24	318.29	0.0000	0.00	1893.48	9.536	189.209	4.289
0.0502	1.1444	1679.80	309.67	-0.3848	-5.07	1922.37	9.366	186.244	4.342
0.1025	1.1464	1690.83	305.11	-0.5437	-5.93	1938.39	9.273	183.352	4.370
0.1990	1.1500	1711.63	296.82	-0.7866	-7.39	1968.35	9.103	178.065	4.424
0.2947	1.1530	1732.91	288.82	-0.9116	-8.62	1998.03	8.945	172.933	4.479
0.4009	1.1565	1754.76	280.81	-1.0474	-9.11	2029.42	8.779	167.234	4.536
0.4954	1.1590	1774.54	274.01	-1.0350	-9.23	2056.60	8.645	162.290	4.588
0.5934	1.1613	1791.67	268.26	-0.9719	-8.04	2080.62	8.528	157.201	4.633
0.7042	1.1632	1811.86	261.89	-0.7755	-6.57	2107.48	8.406	151.569	4.686
0.8011	1.1645	1827.93	257.01	-0.5453	-4.59	2128.58	8.313	146.695	4.728
0.9028	1.1656	1844.51	252.17	-0.2592	-2.24	2149.96	8.223	141.620	4.772
0.9534	1.1662	1852.88	249.77	-0.1128	-1.05	2160.75	8.178	139.100	4.795
1.0000	1.1669	1860.71	247.53	0.0000	0.00	2171.21	8.133	136.757	4.815
T = 298.15 K									
0.0000	1.1420	1663.73	316.36	0.0000	0.00	1899.93	9.480	189.102	4.300
0.0502	1.1452	1684.23	307.84	-0.3844	-5.03	1928.77	9.312	186.140	4.353
0.1025	1.1472	1695.27	303.31	-0.5435	-5.91	1944.81	9.219	183.250	4.381
0.1990	1.1508	1716.06	295.09	-0.7865	-7.41	1974.77	9.051	177.968	4.435
0.2947	1.1537	1737.21	287.20	-0.9114	-8.63	2004.30	8.894	172.841	4.490
0.4009	1.1573	1758.88	279.31	-1.0478	-9.12	2035.50	8.732	167.146	4.546
0.4954	1.1597	1778.45	272.63	-1.0357	-9.22	2062.44	8.599	162.206	4.597
0.5934	1.1620	1795.37	266.99	-0.9728	-8.03	2086.20	8.485	157.121	4.642

x_1	ρ / gcm^{-3}	$u / \text{m s}^{-1}$	$\kappa_s / \text{TPa}^{-1}$	$V^E / \text{cm}^3 \text{mol}^{-1}$	$\delta\kappa_s / \text{TPa}^{-1}$	$Z \times 10^{-3} / \text{kg m}^{-2} \text{s}^{-1}$	$L_f / \text{\AA}$	$B / \text{cm}^3 \text{mol}^{-1}$	$S \times 10^6$
0.7042	1.1638	1815.30	260.74	-0.7761	-6.56	2112.74	8.365	151.495	4.694
0.8011	1.1651	1831.11	255.97	-0.5463	-4.58	2133.51	8.274	146.625	4.736
0.9028	1.1662	1847.40	251.24	-0.2598	-2.23	2154.52	8.186	141.556	4.779
0.9534	1.1668	1855.68	248.89	-0.1132	-1.05	2165.18	8.142	139.039	4.801
1.0000	1.1675	1863.35	246.70	0.0000	0.00	2175.43	8.098	136.699	4.822
T = 297.15 K									
0.0000	1.1428	1668.29	314.41	0.0000	0.00	1906.46	9.424	188.996	4.311
0.0502	1.1460	1688.74	305.98	-0.3843	-4.99	1935.27	9.257	186.036	4.364
0.1025	1.1480	1699.74	301.51	-0.5434	-5.88	1951.27	9.165	183.149	4.392
0.1990	1.1515	1720.51	293.37	-0.7865	-7.41	1981.22	8.999	177.872	4.446
0.2947	1.1545	1741.55	285.58	-0.9114	-8.63	2010.63	8.844	172.749	4.500
0.4009	1.1580	1763.04	277.82	-1.0487	-9.11	2041.63	8.684	167.058	4.556
0.4954	1.1604	1782.44	271.24	-1.0363	-9.21	2068.37	8.554	162.123	4.607
0.5934	1.1627	1799.15	265.70	-0.9736	-8.03	2091.88	8.441	157.043	4.651
0.7042	1.1645	1818.78	259.59	-0.7775	-6.56	2118.05	8.324	151.421	4.702
0.8011	1.1658	1834.34	254.92	-0.5472	-4.58	2138.51	8.235	146.556	4.744
0.9028	1.1669	1850.36	250.30	-0.2606	-2.23	2159.16	8.149	141.493	4.786
0.9534	1.1674	1858.46	248.01	-0.1136	-1.05	2169.59	8.106	138.978	4.808
1.0000	1.1681	1866.00	245.87	0.0000	0.00	2179.67	8.064	136.640	4.828
T = 296.15 K									
0.0000	1.1436	1672.93	312.45	0.0000	0.00	1913.09	9.367	188.890	4.323
0.0502	1.1468	1693.23	304.15	-0.3835	-4.92	1941.74	9.203	185.932	4.375
0.1025	1.1488	1704.24	299.71	-0.5428	-5.83	1957.77	9.112	183.048	4.403
0.1990	1.1523	1724.90	291.68	-0.7863	-7.36	1987.60	8.948	177.775	4.457
0.2947	1.1553	1745.92	283.97	-0.9112	-8.62	2017.00	8.795	172.657	4.511
0.4009	1.1588	1767.27	276.31	-1.0488	-9.11	2047.85	8.636	166.971	4.567
0.4954	1.1611	1786.39	269.87	-1.0369	-9.18	2074.26	8.509	162.040	4.617
0.5934	1.1634	1802.94	264.42	-0.9743	-8.02	2097.57	8.398	156.965	4.660
0.7042	1.1652	1822.25	258.45	-0.7780	-6.53	2123.35	8.283	151.348	4.711
0.8011	1.1665	1837.55	253.89	-0.5481	-4.56	2143.48	8.196	146.488	4.752
0.9028	1.1675	1853.32	249.36	-0.2616	-2.22	2163.81	8.112	141.429	4.794
0.9534	1.1680	1861.26	247.13	-0.1143	-1.04	2174.03	8.070	138.917	4.815
1.0000	1.1687	1868.68	245.03	0.0000	0.00	2183.93	8.029	136.582	4.835
T = 295.15 K									
0.0000	1.1443	1677.64	310.49	0.0000	0.00	1919.81	9.311	188.785	4.334
0.0502	1.1476	1697.84	302.30	-0.3827	-4.86	1948.36	9.149	185.830	4.386
0.1025	1.1495	1708.90	297.88	-0.5421	-5.81	1964.45	9.058	182.948	4.415
0.1990	1.1531	1729.45	289.95	-0.7864	-7.34	1994.18	8.896	177.679	4.468
0.2947	1.1560	1750.36	282.34	-0.9108	-8.61	2023.45	8.745	172.566	4.522
0.4009	1.1595	1771.52	274.81	-1.0492	-9.10	2054.09	8.589	166.884	4.577
0.4954	1.1619	1790.51	268.46	-1.0377	-9.18	2080.36	8.463	161.957	4.627
0.5934	1.1641	1806.82	263.13	-0.9754	-8.02	2103.38	8.354	156.886	4.670
0.7042	1.1659	1825.79	257.29	-0.7791	-6.52	2128.74	8.242	151.275	4.720
0.8011	1.1672	1840.86	252.83	-0.5489	-4.55	2148.57	8.157	146.419	4.760
0.9028	1.1682	1856.33	248.42	-0.2622	-2.23	2168.51	8.075	141.366	4.801
0.9534	1.1687	1864.09	246.25	-0.1146	-1.04	2178.50	8.035	138.856	4.822
1.0000	1.1693	1871.38	244.20	0.0000	0.00	2188.23	7.994	136.524	4.841

x_1	ρ / gcm^{-3}	$u / \text{m s}^{-1}$	$\kappa_S / \text{TPa}^{-1}$	$V^E / \text{cm}^3 \text{mol}^{-1}$	$\delta\kappa_S / \text{TPa}^{-1}$	$Z \times 10^{-3} / \text{kg m}^{-2} \text{s}^{-1}$	$L_f / \text{\AA}$	$B / \text{cm}^3 \text{mol}^{-1}$	$S \times 10^6$
T = 294.15 K									
0.0000	1.1451	1682.40	308.52	0.0000	0.00	1926.59	9.255	188.680	4.346
0.0502	1.1483	1702.57	300.41	-0.3821	-4.83	1955.12	9.094	185.727	4.398
0.1025	1.1503	1713.62	296.04	-0.5417	-5.80	1971.22	9.005	182.849	4.426
0.1990	1.1538	1734.10	288.21	-0.7862	-7.35	2000.88	8.844	177.583	4.479
0.2947	1.1568	1754.86	280.71	-0.9111	-8.60	2029.99	8.695	172.475	4.533
0.4009	1.1603	1775.85	273.30	-1.0494	-9.10	2060.43	8.541	166.798	4.588
0.4954	1.1626	1794.68	267.05	-1.0382	-9.19	2086.51	8.417	161.875	4.637
0.5934	1.1648	1810.71	261.84	-0.9759	-8.01	2109.20	8.311	156.808	4.679
0.7042	1.1666	1829.40	256.13	-0.7798	-6.51	2134.21	8.201	151.202	4.728
0.8011	1.1678	1844.19	251.77	-0.5497	-4.55	2153.69	8.118	146.351	4.768
0.9028	1.1688	1859.36	247.47	-0.2623	-2.22	2173.24	8.038	141.303	4.808
0.9534	1.1693	1866.98	245.36	-0.1148	-1.04	2183.04	7.999	138.796	4.829
1.0000	1.1699	1874.12	243.36	0.0000	0.00	2192.58	7.960	136.466	4.848
T = 293.15 K									
0.0000	1.1459	1687.22	306.55	0.0000	0.00	1933.44	9.199	188.575	4.358
0.0502	1.1491	1707.36	298.53	-0.3814	-4.81	1961.96	9.040	185.626	4.409
0.1025	1.1511	1718.39	294.20	-0.5412	-5.78	1978.04	8.951	182.749	4.438
0.1990	1.1546	1738.79	286.46	-0.7857	-7.34	2007.62	8.792	177.489	4.491
0.2947	1.1575	1759.43	279.07	-0.9110	-8.60	2036.61	8.645	172.384	4.544
0.4009	1.1610	1780.25	271.77	-1.0497	-9.10	2066.86	8.493	166.712	4.599
0.4954	1.1633	1798.90	265.63	-1.0390	-9.19	2092.73	8.371	161.793	4.647
0.5934	1.1656	1814.67	260.54	-0.9766	-8.01	2115.10	8.267	156.731	4.689
0.7042	1.1673	1833.04	254.96	-0.7808	-6.49	2139.72	8.160	151.130	4.737
0.8011	1.1685	1847.59	250.71	-0.5505	-4.54	2158.89	8.079	146.283	4.776
0.9028	1.1695	1862.42	246.53	-0.2633	-2.21	2178.01	8.002	141.240	4.816
0.9534	1.1699	1869.89	244.46	-0.1153	-1.03	2187.61	7.963	138.736	4.836
1.0000	1.1705	1876.90	242.51	0.0000	0.00	2196.97	7.925	136.409	4.854
T = 292.15 K									
0.0000	1.1467	1692.15	304.55	0.0000	0.00	1940.43	9.142	188.471	4.370
0.0502	1.1499	1712.22	296.63	-0.3810	-4.76	1968.89	8.985	185.524	4.421
0.1025	1.1519	1723.16	292.38	-0.5409	-5.73	1984.88	8.898	182.650	4.450
0.1990	1.1554	1743.58	284.70	-0.7857	-7.34	2014.50	8.740	177.394	4.503
0.2947	1.1583	1764.03	277.44	-0.9112	-8.58	2043.27	8.596	172.293	4.556
0.4009	1.1617	1784.71	270.24	-1.0505	-9.10	2073.37	8.446	166.626	4.609
0.4954	1.1641	1803.14	264.22	-1.0396	-9.18	2098.98	8.326	161.711	4.658
0.5934	1.1663	1818.68	259.23	-0.9775	-8.00	2121.07	8.224	156.654	4.699
0.7042	1.1680	1836.73	253.79	-0.7817	-6.48	2145.29	8.119	151.057	4.746
0.8011	1.1692	1850.98	249.65	-0.5516	-4.53	2164.08	8.040	146.216	4.784
0.9028	1.1701	1865.50	245.58	-0.2643	-2.20	2182.81	7.965	141.177	4.823
0.9534	1.1705	1872.83	243.57	-0.1159	-1.03	2192.22	7.928	138.675	4.843
1.0000	1.1711	1879.71	241.66	0.0000	0.00	2201.40	7.891	136.352	4.861
T = 291.15 K									
0.0000	1.1475	1697.18	302.54	0.0000	0.00	1947.54	9.086	188.367	4.383
0.0502	1.1507	1717.09	294.75	-0.3799	-4.69	1975.83	8.931	185.423	4.433
0.1025	1.1527	1728.03	290.53	-0.5404	-5.68	1991.83	8.844	182.551	4.462
0.1990	1.1561	1748.40	282.95	-0.7856	-7.31	2021.41	8.689	177.299	4.514
0.2947	1.1591	1768.69	275.80	-0.9110	-8.55	2050.00	8.546	172.203	4.567
0.4009	1.1625	1789.22	268.71	-1.0508	-9.08	2079.94	8.398	166.540	4.621
0.4954	1.1648	1807.41	262.81	-1.0405	-9.15	2105.27	8.281	161.630	4.668
0.5934	1.1670	1822.75	257.92	-0.9782	-7.99	2127.11	8.180	156.577	4.709

x_1	ρ / gcm^{-3}	$u / \text{m s}^{-1}$	$\kappa_s / \text{TPa}^{-1}$	$V^E / \text{cm}^3 \text{mol}^{-1}$	$\delta\kappa_s / \text{TPa}^{-1}$	$Z \times 10^{-3} / \text{kg m}^{-2} \text{s}^{-1}$	$L_f / \text{\AA}$	$B / \text{cm}^3 \text{mol}^{-1}$	$S \times 10^6$
0.7042	1.1687	1840.46	252.61	-0.7825	-6.46	2150.91	8.078	150.986	4.755
0.8011	1.1698	1854.43	248.58	-0.5526	-4.51	2169.35	8.001	146.148	4.793
0.9028	1.1707	1868.63	244.62	-0.2649	-2.19	2187.66	7.928	141.115	4.831
0.9534	1.1712	1875.79	242.67	-0.1166	-1.02	2196.85	7.892	138.616	4.850
1.0000	1.1717	1882.56	240.81	0.0000	0.00	2205.87	7.856	136.295	4.868
T = 290.15 K									
0.0000	1.1483	1702.34	300.50	0.0000	0.00	1954.80	9.029	188.264	4.395
0.0502	1.1515	1722.05	292.86	-0.3793	-4.61	1982.88	8.877	185.322	4.446
0.1025	1.1534	1733.00	288.68	-0.5397	-5.62	1998.90	8.791	182.452	4.474
0.1990	1.1569	1753.33	281.17	-0.7855	-7.28	2028.46	8.637	177.205	4.527
0.2947	1.1598	1773.47	274.14	-0.9108	-8.52	2056.88	8.496	172.114	4.579
0.4009	1.1632	1793.90	267.14	-1.0511	-9.08	2086.71	8.350	166.455	4.632
0.4954	1.1655	1811.86	261.35	-1.0408	-9.15	2111.76	8.235	161.549	4.679
0.5934	1.1677	1826.90	256.59	-0.9790	-7.97	2133.25	8.137	156.500	4.719
0.7042	1.1694	1844.29	251.41	-0.7831	-6.44	2156.65	8.037	150.914	4.765
0.8011	1.1705	1857.97	247.49	-0.5534	-4.50	2174.73	7.962	146.081	4.801
0.9028	1.1714	1871.84	243.65	-0.2654	-2.18	2192.61	7.892	141.053	4.839
0.9534	1.1718	1878.84	241.75	-0.1167	-1.01	2201.59	7.857	138.556	4.857
1.0000	1.1723	1885.47	239.94	0.0000	0.00	2210.43	7.821	136.238	4.875
T = 289.15 K									
0.0000	1.1491	1707.66	298.43	0.0000	0.00	1962.28	8.972	188.159	4.408
0.0502	1.1522	1727.08	290.96	-0.3760	-4.49	1990.02	8.823	185.222	4.458
0.1025	1.1542	1738.03	286.81	-0.5367	-5.53	2006.05	8.737	182.354	4.486
0.1990	1.1577	1758.33	279.39	-0.7832	-7.22	2035.59	8.585	177.111	4.539
0.2947	1.1606	1778.34	272.46	-0.9089	-8.47	2063.86	8.446	172.025	4.591
0.4009	1.1640	1798.58	265.58	-1.0501	-9.04	2093.48	8.302	166.370	4.644
0.4954	1.1663	1816.30	259.92	-1.0404	-9.10	2118.26	8.189	161.468	4.690
0.5934	1.1684	1831.15	255.25	-0.9788	-7.95	2139.51	8.093	156.424	4.729
0.7042	1.1701	1848.19	250.21	-0.7836	-6.41	2162.49	7.996	150.843	4.774
0.8011	1.1712	1861.50	246.41	-0.5538	-4.45	2180.10	7.924	146.014	4.810
0.9028	1.1720	1875.09	242.68	-0.2660	-2.15	2197.61	7.855	140.991	4.846
0.9534	1.1724	1881.92	240.84	-0.1173	-0.99	2206.37	7.821	138.497	4.865
1.0000	1.1730	1888.47	239.06	0.0000	0.00	2215.08	7.786	136.182	4.882
T = 288.15 K									
0.0000	1.1500	1713.07	296.32	0.0000	0.00	1969.99	8.914	188.044	4.422
0.0502	1.1531	1732.15	289.06	-0.3658	-4.35	1997.26	8.768	185.118	4.470
0.1025	1.1550	1743.09	284.95	-0.5312	-5.41	2013.32	8.684	182.249	4.499
0.1990	1.1585	1763.33	277.61	-0.7835	-7.14	2042.86	8.532	177.006	4.551
0.2947	1.1613	1783.21	270.79	-0.9038	-8.39	2070.92	8.396	171.931	4.603
0.4009	1.1647	1803.25	264.03	-1.0482	-8.97	2100.33	8.254	166.280	4.655
0.4954	1.1670	1820.78	258.48	-1.0326	-9.03	2124.79	8.144	161.389	4.701
0.5934	1.1691	1835.36	253.93	-0.9725	-7.89	2145.71	8.050	156.349	4.739
0.7042	1.1707	1852.09	249.01	-0.7790	-6.36	2168.30	7.955	150.773	4.784
0.8011	1.1718	1865.06	245.34	-0.5506	-4.40	2185.48	7.885	145.949	4.819
0.9028	1.1726	1878.29	241.72	-0.2641	-2.10	2202.54	7.818	140.930	4.854
0.9534	1.1730	1884.94	239.94	-0.1159	-0.94	2211.06	7.786	138.439	4.872
1.0000	1.1736	1891.51	238.17	0.0000	0.00	2219.79	7.752	136.125	4.890

TABLE S-II. Fitting parameters of Eqs. (1) and (2) in the range 288.15–338.15 K and root mean square deviations (σ) in accordance to Eq. (3) for density and ultrasonic velocity for the mixtures (2-hydroxy ethyl ammonium formate (2-HEAF) or bis(2-hydroxyethyl) ammonium acetate (2-HDEAA)) + Tris(2-hydroxyethyl) ammonium propionate (2-HTEAPr)

2-HEAF + 2-HTEAPr				2-HDEAA + 2-HTEAPr			
Para- meter	ρ g cm ⁻³	Para- meter	u m s ⁻¹	Para- meter	ρ g cm ⁻³	Para- meter	u m s ⁻¹
B_{00}	1.3768	B_{00}	4788.7473	B_{00}	1.3791	B_{00}	4780.1761
B_{01}	-7.7568e-4	B_{01}	-16.5020	B_{01}	-7.8959e-4	B_{01}	-16.4393
B_{02}	-4.1161e-8	B_{02}	0.0202	B_{02}	-1.7915e-8	B_{02}	0.0201
B_{10}	0.0395	B_{10}	-1822.0979	B_{10}	-0.3212	B_{10}	-2495.0139
B_{11}	3.0384e-6	B_{11}	12.6346	B_{11}	2.3890e-3	B_{11}	18.6880
B_{12}	1.2977e-7	B_{12}	-0.0197	B_{12}	-3.7160e-6	B_{12}	-0.0307
B_{20}	-0.6876	B_{20}	-3096.1309	B_{20}	2.0745	B_{20}	12975.6937
B_{21}	3.7729e-3	B_{21}	17.7001	B_{21}	-0.0143	B_{21}	-88.8390
B_{22}	-5.9940e-6	B_{22}	-0.0277	B_{22}	2.3306e-5	B_{22}	0.1441
B_{30}	3.5917	B_{30}	6459.1962	B_{30}	-5.0845	B_{30}	-44857.2174
B_{31}	-0.0209	B_{31}	-35.5521	B_{31}	0.0348	B_{31}	297.9112
B_{32}	3.3617e-5	B_{32}	0.0559	B_{32}	-5.6468e-5	B_{32}	-0.4772
B_{40}	-6.1881	B_{40}	-11512.0433	B_{40}	5.2248	B_{40}	50724.0929
B_{41}	0.0368	B_{41}	62.3030	B_{41}	-0.0360	B_{41}	-337.6436
B_{42}	-5.8607e-5	B_{42}	-0.0904	B_{42}	5.8493e-5	B_{42}	0.5439
B_{50}	3.4546	B_{50}	8089.2449	B_{50}	-1.9410	B_{50}	-18364.0299
B_{51}	-0.0209	B_{51}	-46.1891	B_{51}	0.0134	B_{51}	122.9123
B_{52}	3.3263e-5	B_{52}	0.0678	B_{52}	-2.1794e-5	B_{52}	0.1919
σ	1.80e-04	σ	0.74	σ	1.33E-04	σ	1.20

TABLE S-III. Fitting parameters of Eqs. (6) and (7) in the range 288.15–338.15 K and root mean square deviations (σ) in accordance to Eq. (3) for excess molar volumes and changes of isentropic compressibilities for the mixtures (2-hydroxyethylammonium formate (2-HEAF) or Bis(2-hydroxyethyl)ammonium acetate (2-HDEAA)) + Tris(2-hydroxyethyl)ammonium propionate (2-HTEAPr)

2-HEAF + 2-HTEAPr				2-HDEAA + 2-HTEAPr			
Para- meter	$V^E / \text{cm}^3 \text{mol}^{-1}$	Para- meter	$\delta\kappa_S / \text{TPa}^{-1}$	Para- meter	$V^E / \text{cm}^3 \text{mol}^{-1}$	Para- meter	$\delta\kappa_S / \text{TPa}^{-1}$
C_{00}	25.6232	C_{00}	1260.5069	C_{00}	0.3081	C_{00}	622.7710
C_{01}	-0.1878	C_{01}	-8.8071	C_{01}	-0.0331	C_{01}	-4.5169
C_{02}	3.0231e-4	C_{02}	0.0150	C_{02}	6.0508e-5	C_{02}	7.7340e-3
C_{10}	21.5316	C_{10}	1356.0306	C_{10}	-3.8151	C_{10}	684.5240
C_{11}	-0.1432	C_{11}	-8.7815	C_{11}	0.0247	C_{11}	-4.3849
C_{12}	2.1986e-4	C_{12}	0.0139	C_{12}	-3.0205e-5	C_{12}	7.1678e-3
C_{20}	39.3906	C_{20}	635.6535	C_{20}	-12.6342	C_{20}	-145.8342
C_{21}	-0.2609	C_{21}	-4.0809	C_{21}	0.0904	C_{21}	0.9720
C_{22}	4.0285e-4	C_{22}	6.2038e-3	C_{22}	-1.4796e-4	C_{22}	-1.4441e-3
C_{30}	44.1524	C_{30}	-465.9591	C_{30}	6.8413	C_{30}	409.7544
C_{31}	-0.2790	C_{31}	2.8193	C_{31}	-0.0420	C_{31}	-2.5340
C_{32}	4.5506e-4	C_{32}	-4.1435e-3	C_{32}	5.8789e-5	C_{32}	3.5175e-3

TABLE S-III. Continued

2-HEAF + 2-HTEAPr				2-HDEAA + 2-HTEAPr			
Parameter	$V^E / \text{cm}^3 \text{mol}^{-1}$	Parameter	$\delta\kappa_S / \text{TPa}^{-1}$	Parameter	$V^E / \text{cm}^3 \text{mol}^{-1}$	Parameter	$\delta\kappa_S / \text{TPa}^{-1}$
C_{40}	12.2220	C_{40}	-154.2289	C_{40}	59.1957	C_{40}	903.6595
C_{41}	-0.0504	C_{41}	1.4733	C_{41}	-0.4024	C_{41}	-5.6376
C_{42}	9.3522e-5	C_{42}	-2.7530e-3	C_{42}	6.5207e-4	C_{42}	8.1543e-3
C_{50}	-19.7477	C_{50}	-229.6525	C_{50}	-61.5936	C_{50}	-1837.379
C_{51}	0.1456	C_{51}	2.0786	C_{51}	0.4135	C_{51}	11.6991
C_{52}	-2.3686e-4	C_{52}	-4.0678e-3	C_{52}	-6.5350e-4	C_{52}	-0.0177
σ	9.18E-03	σ	1.61E-01	σ	1.19E-02	σ	2.60E-01

TABLE S-IV. Fitting parameters of Eqs. (13) and (14) in the range 288.15–338.15 K and root mean square deviations (σ) in accordance to Eq. (3) for apparent molar volumes and apparent molar isentropic compressibilities for the mixtures (2-hydroxyethylammonium formate (2-HEAF) or bis(2-hydroxyethyl)ammonium acetate (2-HDEAA) + Tris(2-hydroxyethyl)ammonium propionate (2-HTEAPr)

2-HEAF + 2-HTEAPr				2-HDEAA + 2-HTEAPr			
Parameter	$\phi_V / \text{cm}^3 \text{mol}^{-1}$	Parameter	$\phi_{\kappa_S} / \text{TPa}^{-1}$	Parameter	$\phi_V / \text{cm}^3 \text{mol}^{-1}$	Parameter	$\phi_{\kappa_S} / \text{TPa}^{-1}$
J_{00}	50.1168	K_{00}	-492327.7083	J_{00}	-54.1427	K_{00}	-122245.6865
J_{01}	-0.2060	K_{01}	3163.5521	J_{01}	0.3924	K_{01}	587.1728
J_{02}	5.1439e-4	K_{02}	-4.3932	J_{02}	-3.9749e-4	K_{02}	0.0733
J_{10}	-0.4629	K_{10}	50634.7857	J_{10}	0.4615	K_{10}	4541.6074
J_{11}	1.9291e-3	K_{11}	-312.6345	J_{11}	-3.3170e-3	K_{11}	19.0536
J_{12}	-4.7808e-6	K_{12}	0.3764	J_{12}	3.3736e-6	K_{12}	-0.2432
		K_{20}	-2786.6520			K_{20}	-65.6952
		K_{21}	16.1342			K_{21}	-4.8534
		K_{22}	-0.0117			K_{22}	0.0306
		K_{30}	-3.0154e-7			K_{30}	0.0000
		K_{31}	0.1117			K_{31}	0.2537
		K_{32}	-1.0192e-3			K_{32}	-1.4988e-3
		K_{40}	3.6319			K_{40}	-1.2162e-5
		K_{41}	-0.0264			K_{41}	-4.9886e-3
		K_{42}	6.5037e-5			K_{42}	2.9455e-5
		K_{50}	-0.0441			K_{50}	4.1677e-5
		K_{51}	3.0877e-4			K_{51}	3.1053e-5
		K_{52}	-6.8017e-7			K_{52}	-1.8447e-7
ϕ_{V00}^0	21.4221	$\phi_{\kappa_S00}^0$	719683.9746	ϕ_{V00}^0	327.4788	$\phi_{\kappa_S00}^0$	207444.3768
ϕ_{V01}^0	0.6430	$\phi_{\kappa_S01}^0$	-4768.1636	ϕ_{V01}^0	-1.1280	$\phi_{\kappa_S01}^0$	-1236.6140
ϕ_{V02}^0	-1.3412e-3	$\phi_{\kappa_S02}^0$	7.7105	ϕ_{V02}^0	1.3251e-3	$\phi_{\kappa_S02}^0$	1.8050
σ	21.663	σ	139.817	σ	34.387	σ	2925.241

TABLE S-V. Acoustic parameters for the pure compounds enclosed into the studied mixtures

Compound	L_f / nm	B / $\text{cm}^3 \cdot \text{mol}^{-1}$	$r \times 10^{12}$	B / $\text{m}^3 \cdot \text{mol}^{-1}$	S	$Z \times 10^{-3}$
338.15 K						
2-HEAF	0.9347	87.103	4.281	21.776	4.500	2013.174
2-HDEAA	0.9599	139.114	5.009	34.871	4.573	2011.620
2-HTEAPr	1.1803	193.583	5.587	48.396	3.942	1684.414
298.15 K						
2-HEAF	0.8107	85.968	4.263	21.492	4.655	2126.786
2-HDEAA	0.8098	136.699	4.976	34.193	4.822	2175.429
2-HTEAPr	0.9479	189.097	5.544	47.274	4.300	1899.979
288.15 K						
2-HEAF	0.7795	85.627	4.257	21.407	4.701	2160.634
2-HDEAA	0.7751	136.125	4.968	34.031	4.890	2219.793
2-HTEAPr	0.8913	188.040	5.533	47.010	4.222	1970.030

As commented in the main text, different empirical equations were applied for CFT and FLT values:

Danusso¹ equation:

$$u = \frac{1}{\rho} \left(\frac{1}{M} \sum \frac{x_i M_i}{\rho_i^2 u_i^2} \right)^{1/2} \quad (\text{S-1})$$

where M is the molar mass and the other variables show the same meaning than above.

Nomoto² equation:

$$u = \left(\sum \frac{x_i R_i}{x_i V_i} \right)^3 \quad (\text{S-2})$$

where R and V represents the molar sound velocity and molar volume.

Junjie³ equation:

$$u = \left(\sum \frac{x_i V_i}{x_i M_i} \right)^{1/2} \left(\sum \frac{x_i V_i}{\rho_i u_i} \right)^{-1/2} \quad (\text{S-3})$$

Impedance model⁴:

$$u = \left(\frac{\sum x_i Z_i}{\sum x_i \rho_i} \right) \quad (\text{S-4})$$

where the different variables meanings are explained in the main text.

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