

C<sub>8</sub>H<sub>18</sub> (iso-octano) Ref.: <http://cea.grc.nasa.gov/>

T K	Cp J/mol-K	H-H298.15 kJ/mol	S J/mol-K	-(G-H298.15)/T J/mol-K	H kJ/mol	Δ Hf kJ/mol	log K
0	0.	-32.170	0.	INFINITE	-256.180	-171.539	INFINITE
200	130.578	-15.673	360.100	438.464	-239.683	-209.383	16.0739
220	142.527	-12.942	373.106	431.932	-236.952	-212.489	11.0668
240	154.406	-9.972	386.018	427.568	-233.982	-215.542	6.8332
260	166.208	-6.766	398.843	424.866	-230.776	-218.531	3.2003
280	177.908	-3.325	411.590	423.463	-227.335	-221.443	0.0440
298.15	188.410	0.000	423.090	423.090	-224.010	-224.010	-2.4851
300	189.473	0.350	424.259	423.094	-223.660	-224.267	-2.7273
320	200.876	4.253	436.852	423.561	-219.757	-226.997	-5.1824
340	212.089	8.383	449.368	424.711	-215.627	-229.625	-7.3744
360	223.092	12.735	461.803	426.427	-211.275	-232.149	-9.3448
380	233.867	17.305	474.155	428.614	-206.705	-234.567	-11.1267
400	244.402	22.089	486.420	431.198	-201.921	-236.878	-12.7467
420	254.685	27.080	498.594	434.118	-196.930	-239.083	-14.2265
440	264.712	32.274	510.674	437.324	-191.736	-241.182	-15.5839
460	274.477	37.667	522.658	440.774	-186.343	-243.177	-16.8339
480	283.979	43.252	534.541	444.433	-180.758	-245.069	-17.9889
500	293.217	49.024	546.322	448.274	-174.986	-246.859	-19.0595
520	302.193	54.979	557.998	452.270	-169.031	-248.549	-20.0547
540	310.909	61.110	569.567	456.400	-162.900	-250.141	-20.9824
560	319.369	67.413	581.027	460.647	-156.597	-251.636	-21.8491
580	327.579	73.883	592.378	464.994	-150.127	-253.035	-22.6607
600	335.542	80.515	603.619	469.428	-143.495	-254.341	-23.4222
620	343.266	87.303	614.748	473.936	-136.707	-255.556	-24.1382
640	350.757	94.244	625.765	478.509	-129.766	-256.681	-24.8125
660	358.022	101.332	636.670	483.137	-122.678	-257.719	-25.4486
680	365.068	108.563	647.463	487.811	-115.447	-258.671	-26.0496
700	371.904	115.933	658.145	492.526	-108.077	-259.539	-26.6182
720	378.537	123.438	668.715	497.273	-100.572	-260.326	-27.1570
740	384.975	131.073	679.175	502.048	-92.937	-261.033	-27.6682
760	391.226	138.836	689.525	506.846	-85.174	-261.662	-28.1536
780	397.299	146.721	699.766	511.662	-77.289	-262.214	-28.6152
800	403.203	154.727	709.899	516.491	-69.283	-262.693	-29.0546
820	408.946	162.848	719.927	521.331	-61.162	-263.098	-29.4733
840	414.536	171.083	729.848	526.178	-52.927	-263.433	-29.8726
860	419.982	179.429	739.667	531.029	-44.581	-263.698	-30.2537
880	425.292	187.882	749.383	535.881	-36.128	-263.896	-30.6179
900	430.476	196.440	758.999	540.733	-27.570	-264.029	-30.9660
920	435.541	205.100	768.516	545.581	-18.910	-264.097	-31.2992
940	440.496	213.861	777.936	550.425	-10.149	-264.102	-31.6182
960	445.349	222.719	787.261	555.262	-1.291	-264.046	-31.9240
980	450.108	231.674	796.493	560.091	7.664	-263.932	-32.2171
1000	454.782	240.723	805.633	564.911	16.713	-263.759	-32.4984

C<sub>8</sub>H<sub>18</sub> (iso-octano)

T K	Cp J/mol-K	H-H298.15 kJ/mol	S J/mol-K	-(G-H298.15)/T J/mol-K	H kJ/mol	Δ Hf kJ/mol	log K
1020	459.023	249.861	814.681	569.719	25.851	-263.533	-32.7684
1040	463.201	259.083	823.635	574.516	35.073	-263.256	-33.0278
1060	467.313	268.389	832.497	579.301	44.379	-262.930	-33.2771
1080	471.359	277.776	841.270	584.071	53.766	-262.555	-33.5169
1100	475.337	287.243	849.956	588.826	63.233	-262.132	-33.7476
1120	479.246	296.789	858.556	593.566	72.779	-261.664	-33.9696
1140	483.087	306.412	867.072	598.290	82.402	-261.150	-34.1835
1160	486.859	316.112	875.507	602.997	92.102	-260.591	-34.3896
1180	490.563	325.886	883.861	607.687	101.876	-259.989	-34.5883
1200	494.198	335.734	892.137	612.359	111.724	-259.345	-34.7798
1220	497.765	345.653	900.335	617.012	121.643	-258.659	-34.9647
1240	501.265	355.644	908.457	621.648	131.634	-257.933	-35.1430
1260	504.698	365.704	916.505	626.264	141.694	-257.168	-35.3152
1280	508.065	375.831	924.480	630.862	151.821	-256.364	-35.4816
1300	511.368	386.026	932.383	635.440	162.016	-255.523	-35.6422
1320	514.606	396.286	940.215	639.998	172.276	-254.645	-35.7975
1340	517.781	406.610	947.977	644.537	182.600	-253.731	-35.9477
1360	520.893	416.996	955.671	649.056	192.986	-252.783	-36.0928
1380	523.944	427.445	963.298	653.555	203.435	-251.801	-36.2333
1400	526.935	437.954	970.858	658.034	213.944	-250.786	-36.3692
1420	529.867	448.522	978.354	662.493	224.512	-249.738	-36.5007
1440	532.740	459.148	985.784	666.932	235.138	-248.660	-36.6280
1460	535.557	469.831	993.152	671.350	245.821	-247.550	-36.7513
1480	538.317	480.570	1000.458	675.748	256.560	-246.412	-36.8707
1500	541.022	491.363	1007.702	680.126	267.353	-245.244	-36.9864
1520	543.673	502.210	1014.885	684.484	278.200	-244.048	-37.0985
1540	546.271	513.110	1022.009	688.821	289.100	-242.824	-37.2071
1560	548.816	524.061	1029.074	693.138	300.051	-241.574	-37.3124
1580	551.311	535.062	1036.082	697.435	311.052	-240.298	-37.4145
1600	553.756	546.113	1043.032	701.711	322.103	-238.997	-37.5136
1620	556.152	557.212	1049.926	705.968	333.202	-237.671	-37.6096
1640	558.500	568.359	1056.764	710.204	344.349	-236.321	-37.7028
1660	560.800	579.552	1063.548	714.420	355.542	-234.948	-37.7932
1680	563.054	590.790	1070.278	718.617	366.780	-233.552	-37.8810
1700	565.264	602.074	1076.954	722.793	378.064	-232.134	-37.9662
1720	567.428	613.401	1083.578	726.950	389.391	-230.695	-38.0488
1740	569.549	624.771	1090.150	731.087	400.761	-229.235	-38.1291
1760	571.628	636.182	1096.672	735.204	412.172	-227.755	-38.2071
1780	573.665	647.635	1103.142	739.302	423.625	-226.255	-38.2828
1800	575.661	659.129	1109.563	743.380	435.119	-224.737	-38.3563

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T K	Cp J/mol-K	H-H298.15 kJ/mol	S J/mol-K	-(G-H298.15)/T J/mol-K	H kJ/mol	Δ Hf kJ/mol	log K
1820	577.616	670.662	1115.935	747.440	446.652	-223.200	-38.4277
1840	579.533	682.233	1122.258	751.479	458.223	-221.645	-38.4971
1860	581.411	693.843	1128.534	755.500	469.833	-220.072	-38.5645
1880	583.251	705.489	1134.762	759.502	481.479	-218.483	-38.6300
1900	585.054	717.172	1140.943	763.484	493.162	-216.877	-38.6937
1920	586.820	728.891	1147.079	767.448	504.881	-215.256	-38.7556
1940	588.552	740.645	1153.169	771.393	516.635	-213.619	-38.8157
1960	590.248	752.433	1159.214	775.320	528.423	-211.967	-38.8742
1980	591.910	764.255	1165.215	779.228	540.245	-210.301	-38.9310
2000	593.539	776.109	1171.172	783.118	552.099	-208.621	-38.9863
2020	595.135	787.996	1177.086	786.989	563.986	-206.927	-39.0400
2040	596.699	799.914	1182.957	790.842	575.904	-205.221	-39.0922
2060	598.231	811.864	1188.786	794.678	587.854	-203.502	-39.1430
2080	599.732	823.843	1194.574	798.495	599.833	-201.770	-39.1924
2100	601.203	835.853	1200.320	802.295	611.843	-200.027	-39.2405
2120	602.644	847.891	1206.025	806.076	623.881	-198.273	-39.2872
2140	604.057	859.958	1211.690	809.841	635.948	-196.507	-39.3327
2160	605.440	872.053	1217.316	813.588	648.043	-194.731	-39.3769
2180	606.796	884.176	1222.902	817.317	660.166	-192.945	-39.4199
2200	608.124	896.325	1228.450	821.030	672.315	-191.150	-39.4617
2220	609.425	908.501	1233.959	824.725	684.491	-189.344	-39.5024
2240	610.700	920.702	1239.431	828.403	696.692	-187.530	-39.5420
2260	611.949	932.928	1244.865	832.065	708.918	-185.707	-39.5805
2280	613.173	945.180	1250.262	835.710	721.170	-183.876	-39.6180
2300	614.371	957.455	1255.623	839.338	733.445	-182.036	-39.6544
2320	615.546	969.754	1260.947	842.949	745.744	-180.189	-39.6899
2340	616.696	982.077	1266.235	846.545	758.067	-178.335	-39.7244
2360	617.823	994.422	1271.489	850.124	770.412	-176.474	-39.7579
2380	618.927	1006.790	1276.707	853.686	782.780	-174.606	-39.7906
2400	620.008	1019.179	1281.891	857.233	795.169	-172.731	-39.8224
2420	621.068	1031.590	1287.041	860.764	807.580	-170.851	-39.8533
2440	622.105	1044.022	1292.157	864.279	820.012	-168.965	-39.8833
2460	623.121	1056.474	1297.239	867.778	832.464	-167.073	-39.9126
2480	624.117	1068.946	1302.289	871.262	844.936	-165.176	-39.9410
2500	625.092	1081.438	1307.306	874.731	857.428	-163.274	-39.9687
2520	626.047	1093.950	1312.291	878.183	869.940	-161.368	-39.9956
2540	626.982	1106.480	1317.243	881.621	882.470	-159.457	-40.0218
2560	627.898	1119.029	1322.164	885.044	895.019	-157.542	-40.0472
2580	628.795	1131.596	1327.054	888.451	907.586	-155.624	-40.0720
2600	629.674	1144.181	1331.913	891.844	920.171	-153.701	-40.0961

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T K	Cp J/mol-K	H-H298.15 kJ/mol	S J/mol-K	-(G-H298.15)/T J/mol-K	H kJ/mol	Δ Hf kJ/mol	log K
2620	630.534	1156.783	1336.742	895.222	932.773	-151.776	-40.1195
2640	631.377	1169.402	1341.540	898.585	945.392	-149.847	-40.1423
2660	632.202	1182.038	1346.308	901.933	958.028	-147.916	-40.1644
2680	633.010	1194.690	1351.047	905.267	970.680	-145.982	-40.1860
2700	633.801	1207.358	1355.756	908.586	983.348	-144.046	-40.2069
2720	634.575	1220.042	1360.436	911.892	996.032	-142.107	-40.2273
2740	635.334	1232.741	1365.088	915.183	1008.731	-140.167	-40.2470
2760	636.076	1245.455	1369.712	918.460	1021.445	-138.225	-40.2663
2780	636.803	1258.184	1374.307	921.723	1034.174	-136.281	-40.2850
2800	637.515	1270.927	1378.874	924.972	1046.917	-134.337	-40.3031
2820	638.212	1283.684	1383.414	928.207	1059.674	-132.391	-40.3208
2840	638.894	1296.455	1387.927	931.429	1072.445	-130.444	-40.3379
2860	639.562	1309.240	1392.413	934.637	1085.230	-128.497	-40.3546
2880	640.216	1322.038	1396.872	937.831	1098.028	-126.550	-40.3707
2900	640.856	1334.849	1401.305	941.012	1110.839	-124.602	-40.3864
2920	641.482	1347.672	1405.712	944.180	1123.662	-122.654	-40.4017
2940	642.095	1360.508	1410.092	947.335	1136.498	-120.707	-40.4165
2960	642.696	1373.356	1414.448	950.476	1149.346	-118.759	-40.4309
2980	643.283	1386.215	1418.778	953.605	1162.205	-116.812	-40.4448
3000	643.858	1399.087	1423.082	956.720	1175.077	-114.866	-40.4584
3020	644.421	1411.970	1427.362	959.823	1187.960	-112.921	-40.4715
3040	644.972	1424.864	1431.618	962.913	1200.854	-110.977	-40.4842
3060	645.511	1437.768	1435.849	965.990	1213.758	-109.034	-40.4966
3080	646.038	1450.684	1440.056	969.055	1226.674	-107.093	-40.5086
3100	646.554	1463.610	1444.239	972.107	1239.600	-105.153	-40.5202
3120	647.060	1476.546	1448.399	975.147	1252.536	-103.214	-40.5314
3140	647.554	1489.492	1452.535	978.174	1265.482	-101.278	-40.5423
3160	648.038	1502.448	1456.648	981.190	1278.438	-99.343	-40.5529
3180	648.511	1515.414	1460.738	984.193	1291.404	-97.411	-40.5631
3200	648.974	1528.389	1464.805	987.184	1304.379	-95.481	-40.5730
3220	649.427	1541.373	1468.850	990.163	1317.363	-93.554	-40.5826
3240	649.871	1554.366	1472.873	993.130	1330.356	-91.629	-40.5919
3260	650.305	1567.367	1476.873	996.086	1343.357	-89.707	-40.6008
3280	650.729	1580.378	1480.852	999.030	1356.368	-87.787	-40.6095
3300	651.145	1593.396	1484.809	1001.962	1369.386	-85.871	-40.6179
3320	651.551	1606.423	1488.745	1004.882	1382.413	-83.958	-40.6260
3340	651.949	1619.458	1492.659	1007.791	1395.448	-82.048	-40.6338
3360	652.338	1632.501	1496.553	1010.689	1408.491	-80.142	-40.6414
3380	652.719	1645.552	1500.425	1013.575	1421.542	-78.239	-40.6486
3400	653.091	1658.610	1504.277	1016.451	1434.600	-76.339	-40.6557

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3420	653.455	1671.676	1508.109	1019.315	1447.666	-74.444	-40.6624
3440	653.812	1684.748	1511.920	1022.168	1460.738	-72.552	-40.6690
3460	654.161	1697.828	1515.711	1025.009	1473.818	-70.664	-40.6753
3480	654.502	1710.915	1519.483	1027.840	1486.905	-68.781	-40.6813
3500	654.836	1724.008	1523.234	1030.661	1499.998	-66.902	-40.6871
3520	655.162	1737.108	1526.966	1033.470	1513.098	-65.026	-40.6927
3540	655.482	1750.214	1530.679	1036.269	1526.204	-63.156	-40.6981
3560	655.794	1763.327	1534.373	1039.056	1539.317	-61.290	-40.7033
3580	656.100	1776.446	1538.048	1041.834	1552.436	-59.428	-40.7082
3600	656.399	1789.571	1541.704	1044.601	1565.561	-57.572	-40.7129
3620	656.692	1802.702	1545.341	1047.357	1578.692	-55.720	-40.7175
3640	656.978	1815.839	1548.960	1050.103	1591.829	-53.873	-40.7218
3660	657.258	1828.981	1552.561	1052.839	1604.971	-52.031	-40.7260
3680	657.532	1842.129	1556.143	1055.565	1618.119	-50.194	-40.7299
3700	657.801	1855.282	1559.708	1058.280	1631.272	-48.362	-40.7337
3720	658.063	1868.441	1563.255	1060.986	1644.431	-46.536	-40.7373
3740	658.320	1881.605	1566.784	1063.681	1657.595	-44.715	-40.7408
3760	658.571	1894.774	1570.296	1066.367	1670.764	-42.899	-40.7440
3780	658.817	1907.948	1573.790	1069.042	1683.938	-41.089	-40.7471
3800	659.057	1921.126	1577.267	1071.708	1697.116	-39.284	-40.7500
3820	659.293	1934.310	1580.728	1074.364	1710.300	-37.486	-40.7528
3840	659.523	1947.498	1584.171	1077.010	1723.488	-35.693	-40.7554
3860	659.749	1960.691	1587.598	1079.647	1736.681	-33.905	-40.7578
3880	659.969	1973.888	1591.008	1082.274	1749.878	-32.124	-40.7601
3900	660.185	1987.090	1594.402	1084.891	1763.080	-30.349	-40.7623
3920	660.397	2000.295	1597.779	1087.500	1776.285	-28.579	-40.7643
3940	660.604	2013.505	1601.140	1090.098	1789.495	-26.816	-40.7662
3960	660.806	2026.720	1604.486	1092.688	1802.710	-25.059	-40.7679
3980	661.004	2039.938	1607.815	1095.268	1815.928	-23.308	-40.7695
4000	661.198	2053.160	1611.129	1097.839	1829.150	-21.564	-40.7710
4020	661.388	2066.386	1614.427	1100.401	1842.376	-19.826	-40.7723
4040	661.575	2079.615	1617.710	1102.954	1855.605	-18.094	-40.7736
4060	661.757	2092.848	1620.978	1105.498	1868.838	-16.369	-40.7747
4080	661.935	2106.085	1624.230	1108.032	1882.075	-14.650	-40.7756
4100	662.110	2119.326	1627.467	1110.558	1895.316	-12.938	-40.7765
4120	662.281	2132.570	1630.689	1113.075	1908.560	-11.232	-40.7772
4140	662.448	2145.817	1633.897	1115.584	1921.807	-9.534	-40.7779
4160	662.612	2159.068	1637.090	1118.083	1935.058	-7.842	-40.7784
4180	662.773	2172.322	1640.268	1120.574	1948.312	-6.156	-40.7788
4200	662.930	2185.579	1643.432	1123.057	1961.569	-4.478	-40.7791

C<sub>8</sub>H<sub>18</sub> (iso-octano)

T K	Cp J/mol-K	H-H298.15 kJ/mol	S J/mol-K	-(G-H298.15)/T J/mol-K	H kJ/mol	Δ Hf kJ/mol	log K
4220	663.085	2198.839	1646.582	1125.530	1974.829	-2.806	-40.7794
4240	663.236	2212.102	1649.718	1127.995	1988.092	-1.141	-40.7795
4260	663.384	2225.368	1652.839	1130.452	2001.358	0.516	-40.7795
4280	663.529	2238.637	1655.947	1132.900	2014.627	2.167	-40.7794
4300	663.671	2251.909	1659.040	1135.340	2027.899	3.811	-40.7792
4320	663.810	2265.184	1662.120	1137.772	2041.174	5.448	-40.7790
4340	663.947	2278.462	1665.187	1140.196	2054.452	7.077	-40.7786
4360	664.081	2291.742	1668.240	1142.611	2067.732	8.699	-40.7782
4380	664.212	2305.025	1671.279	1145.018	2081.015	10.315	-40.7777
4400	664.340	2318.310	1674.306	1147.417	2094.300	11.923	-40.7771
4420	664.466	2331.598	1677.319	1149.808	2107.588	13.524	-40.7764
4440	664.590	2344.889	1680.319	1152.191	2120.879	15.117	-40.7756
4460	664.711	2358.182	1683.306	1154.566	2134.172	16.703	-40.7748
4480	664.829	2371.477	1686.280	1156.933	2147.467	18.282	-40.7739
4500	664.946	2384.775	1689.242	1159.292	2160.765	19.854	-40.7729
4520	665.060	2398.075	1692.191	1161.643	2174.065	21.418	-40.7718
4540	665.172	2411.378	1695.128	1163.987	2187.368	22.975	-40.7707
4560	665.282	2424.682	1698.052	1166.323	2200.672	24.524	-40.7695
4580	665.389	2437.989	1700.963	1168.651	2213.979	26.066	-40.7682
4600	665.495	2451.298	1703.863	1170.972	2227.288	27.601	-40.7669
4620	665.598	2464.609	1706.750	1173.285	2240.599	29.128	-40.7655
4640	665.699	2477.922	1709.626	1175.591	2253.912	30.647	-40.7641
4660	665.799	2491.237	1712.489	1177.889	2267.227	32.159	-40.7625
4680	665.896	2504.554	1715.341	1180.180	2280.544	33.664	-40.7610
4700	665.992	2517.872	1718.181	1182.463	2293.862	35.161	-40.7593
4720	666.086	2531.193	1721.009	1184.739	2307.183	36.650	-40.7576
4740	666.178	2544.516	1723.825	1187.008	2320.506	38.132	-40.7559
4760	666.268	2557.840	1726.631	1189.269	2333.830	39.606	-40.7541
4780	666.356	2571.167	1729.424	1191.523	2347.157	41.073	-40.7522
4800	666.443	2584.495	1732.207	1193.770	2360.485	42.532	-40.7503
4820	666.527	2597.824	1734.978	1196.010	2373.814	43.983	-40.7484
4840	666.610	2611.156	1737.738	1198.243	2387.146	45.427	-40.7464
4860	666.692	2624.489	1740.487	1200.469	2400.479	46.864	-40.7443
4880	666.772	2637.823	1743.225	1202.688	2413.813	48.292	-40.7422
4900	666.850	2651.159	1745.953	1204.900	2427.149	49.713	-40.7401
4920	666.926	2664.497	1748.669	1207.105	2440.487	51.127	-40.7379
4940	667.001	2677.837	1751.375	1209.303	2453.827	52.533	-40.7357
4960	667.074	2691.177	1754.070	1211.494	2467.167	53.931	-40.7334
4980	667.146	2704.519	1756.755	1213.678	2480.509	55.322	-40.7311
5000	667.216	2717.863	1759.429	1215.856	2493.853	56.705	-40.7288

C<sub>8</sub>H<sub>18</sub> (iso-octano)

T K	Cp J/mol-K	H-H298.15 kJ/mol	S J/mol-K	-(G-H298.15)/T J/mol-K	H kJ/mol	Δ Hf kJ/mol	log K
5020	667.284	2731.208	1762.092	1218.027	2507.198	58.080	-40.7264
5040	667.351	2744.554	1764.746	1220.191	2520.544	59.448	-40.7239
5060	667.416	2757.902	1767.389	1222.349	2533.892	60.808	-40.7215
5080	667.480	2771.251	1770.022	1224.500	2547.241	62.161	-40.7190
5100	667.542	2784.601	1772.644	1226.644	2560.591	63.506	-40.7164
5120	667.602	2797.953	1775.257	1228.782	2573.943	64.843	-40.7139
5140	667.661	2811.305	1777.860	1230.914	2587.295	66.173	-40.7113
5160	667.719	2824.659	1780.453	1233.039	2600.649	67.495	-40.7086
5180	667.774	2838.014	1783.036	1235.157	2614.004	68.810	-40.7060
5200	667.829	2851.370	1785.610	1237.269	2627.360	70.117	-40.7033
5220	667.881	2864.727	1788.173	1239.375	2640.717	71.417	-40.7006
5240	667.932	2878.085	1790.728	1241.475	2654.075	72.709	-40.6978
5260	667.982	2891.445	1793.272	1243.568	2667.435	73.994	-40.6950
5280	668.030	2904.805	1795.807	1245.655	2680.795	75.271	-40.6922
5300	668.076	2918.166	1798.333	1247.736	2694.156	76.540	-40.6894
5320	668.121	2931.528	1800.849	1249.810	2707.518	77.803	-40.6865
5340	668.163	2944.890	1803.357	1251.879	2720.880	79.057	-40.6836
5360	668.205	2958.254	1805.854	1253.941	2734.244	80.305	-40.6807
5380	668.244	2971.619	1808.343	1255.998	2747.609	81.545	-40.6778
5400	668.282	2984.984	1810.823	1258.048	2760.974	82.777	-40.6749
5420	668.318	2998.350	1813.293	1260.092	2774.340	84.002	-40.6719
5440	668.352	3011.717	1815.755	1262.131	2787.707	85.220	-40.6689
5460	668.385	3025.084	1818.208	1264.163	2801.074	86.431	-40.6659
5480	668.415	3038.452	1820.652	1266.190	2814.442	87.634	-40.6628
5500	668.444	3051.821	1823.087	1268.210	2827.811	88.830	-40.6598
5520	668.471	3065.190	1825.513	1270.225	2841.180	90.018	-40.6567
5540	668.496	3078.559	1827.931	1272.234	2854.549	91.200	-40.6536
5560	668.519	3091.930	1830.340	1274.237	2867.920	92.374	-40.6505
5580	668.540	3105.300	1832.740	1276.235	2881.290	93.541	-40.6473
5600	668.560	3118.671	1835.132	1278.227	2894.661	94.701	-40.6442
5620	668.577	3132.043	1837.516	1280.213	2908.033	95.854	-40.6410
5640	668.592	3145.414	1839.891	1282.193	2921.404	96.999	-40.6379
5660	668.605	3158.786	1842.258	1284.168	2934.776	98.138	-40.6347
5680	668.615	3172.158	1844.616	1286.137	2948.148	99.270	-40.6315
5700	668.624	3185.531	1846.966	1288.101	2961.521	100.394	-40.6282
5720	668.630	3198.903	1849.308	1290.059	2974.893	101.512	-40.6250
5740	668.634	3212.276	1851.642	1292.012	2988.266	102.622	-40.6218
5760	668.636	3225.649	1853.968	1293.959	3001.639	103.726	-40.6185
5780	668.635	3239.021	1856.285	1295.901	3015.011	104.823	-40.6152
5800	668.632	3252.394	1858.595	1297.837	3028.384	105.913	-40.6119

C<sub>8</sub>H<sub>18</sub> (iso-octano)

T K	Cp J/mol-K	H-H298.15 kJ/mol	S J/mol-K	-(G-H298.15)/T J/mol-K	H kJ/mol	Δ Hf kJ/mol	log K
5820	668.626	3265.767	1860.896	1299.768	3041.757	106.996	-40.6086
5840	668.618	3279.139	1863.190	1301.694	3055.129	108.072	-40.6053
5860	668.607	3292.511	1865.476	1303.614	3068.501	109.142	-40.6020
5880	668.594	3305.883	1867.754	1305.529	3081.873	110.204	-40.5987
5900	668.578	3319.255	1870.024	1307.439	3095.245	111.261	-40.5954
5920	668.559	3332.627	1872.287	1309.343	3108.617	112.310	-40.5920
5940	668.537	3345.997	1874.542	1311.242	3121.987	113.353	-40.5887
5960	668.513	3359.368	1876.789	1313.136	3135.358	114.389	-40.5853
5980	668.485	3372.738	1879.028	1315.025	3148.728	115.419	-40.5819
6000	668.455	3386.107	1881.260	1316.909	3162.097	116.443	-40.5786