50.00 ATMOSPHERE ISOBAR

	TEMP. K	DENSITY MOL/LITER	ENTHALPY J/MOL	INTERNAL ENERGY J/MOL	ENTROPY J/MOL-K
*	85.042	35.5839	2962.3	2820.0	52.85
	86	35.4474	3004.9	2862.0	53.35
	87	35.3034	3049.6	2906.1	53.87
	88	35.1579	3094.5	2950.4	54.38
	89	35.0109	3139.6	2994.9	54.89
	90	34.8626	3184.9	3039.5	55.40
	91	34.7129	3230.3	3084.3	55.90
	92	34.5620	3275.9	3129.3	56.40
	93	34.4098	3321.7	3174.4	56.89
	94	34.2563	3367.6	3219.7	57.38
	95	34.1017	3413.7	3265.1	57.87
	96	33.9457	3459.9	3310.6	58.35
	97	33.7886	3506.2	3356.3	58.83
	98	33.6302	3552.7	3402.0	59.31
	99	33.4707	3599.2	3447.9	59.78
	100	33.3098	3645.9	3493.8	60.25
	101	33.1477	3692.7	3539.9	60.72
	102	32.9843	3739.6	3586.0	61.18
	103	32.8196	3786.6	3632.2	61.64
	104	32.6535	3833.6	3678.5	62.09
	105	32.4861	3880.8	3724.8	62.54
	106	32.3172	3928.0	3771.3	62.99
	107	32.1469	3975.4	3817.8	63.44
	108	31.9750	4022.8	3864.3	63.88
	109	31.8015	4070.3	3911.0	64.31
	110	31.6264	4117.9	3957.7	64.75
	111	31.4496	4165.5	4004.4	65.18
	112	31.2710	4213.3	4051.3	65.61
	113	31.0904	4261.2	4098.2	66.03
	114	30.9080	4309.2	4145.2	66.46
	115	30.7234	4357.3	4192.4	66.88
	116	30.5367	4405.5	4239.6	67.30
	117	30.3478	4453.9	4287.0	67.71
	118	30.1564	4502.5	4334.5	68.12
	119	29.9625	4551.3	4382.2	68.54
	120	29.7659	4600.2	4430.0	68.95
	121	29.5664	4649.5	4478.1	69.35
	122	29.3640	4699.0	4526.4	69.76
	123	29.1583	4748.8	4575.0	70.17
	124	28.9492	4798.9	4623.9	70.57
	125	28.7365	4849.5	4673.2	70.98
	126	28.5199	4900.5	4722.9	71.39
	127	28.2990	4952.0	4773.0	71.79
	128	28.0737	5004.1	4823.6	72.20
	129	27.8436	5056.8	4874.8	72.61
	130	27.6081	5110.2	4926.7	73.02
	131	27.3670	5164.4	4979.3	73.44
	132	27.1197	5219.5	5032.7	73.86
	133	26.8656	5275.6	5087.1	74.28
	134	26.6041	5332.9	5142.5	74.71
	135	26.3343	5391.5	5199.1	75.15
	136	26.0555	5451.0	5256.6	75.59
	137	25.7664	5511.9	5315.3	76.03
	138	25.4659	5574.3	5375.3	76.49
	139	25.1524	5638.3	5436.9	76.95
	140	24.8240	5704.3	5500.2	77.42
	141	24.4784	5772.4	5565.4	77.91
	142	24.1126	5843.3	5633.1	78.41
	143	23.7226	5917.4	5703.8	78.93
	144	23.3034	5995.6	5778.2	79.48
	145	22.8477	6078.9	5857.2	80.05
	146	22.3450	6168.9	5942.1	80.67
	147	21.7793	6267.7	6035.1	81.35
	148	21.1238	6379.2	6139.3	82.11
	149	20.3278	6510.4	6261.1	82.99
	150	19.2741	6678.1	6415.3	84.12
	151	17.5415	6944.2	6655.4	85.89
	152	11.2264	7980.6	7529.3	92.72
	153	9.13533	8431.9	7877.3	95.68
	154	8.27788	8651.4	8039.4	97.12
	155	7.72594	8808.1	8152.4	98.13
	156	7.31726	8933.9	8241.5	98.94
	157	6.99241	9040.9	8316.4	99.62
	158	6.72280	9135.2	8381.6	100.22
	159	6.49240	9220.1	8439.8	100.76
	160	6.29132	9297.9	8492.6	101.24

* PHASE CHANGE

50.00 ATMOSPHERE ISOBAR

TEMP. K	DENSITY MOL/LITER	ENTHALPY J/MOL	INTERNAL ENERGY J/MOL	ENTROPY J/MOL-K	TEMP. K	DENSITY MOL/LITER	ENTHALPY J/MOL	INTERNAL ENERGY J/MOL	ENTROPY J/MOL-K
161	6.11301	9370.1	8541.4	101.69	231	2.88768	11864.3	10109.8	114.89
162	5.95289	9437.8	8586.7	102.11	232	2.87066	11890.8	10125.9	115.01
163	5.80765	9501.6	8629.2	102.51	233	2.85389	11917.2	10142.0	115.12
164	5.67482	9562.2	8669.4	102.88	234	2.83736	11943.5	10157.9	115.24
165	5.55248	9620.0	8707.5	103.23	235	2.82106	11969.8	10173.8	115.35
166	5.43914	9675.4	8743.9	103.56	236	2.80499	11995.9	10189.7	115.46
167	5.33360	9728.7	8778.8	103.88	237	2.78915	12022.0	10205.5	115.57
168	5.23488	9780.1	8812.3	104.19	238	2.77352	12048.0	10221.3	115.68
169	5.14219	9829.8	8844.6	104.49	239	2.75810	12073.9	10237.0	115.79
170	5.05486	9878.1	8875.8	104.77	240	2.74289	12099.8	10252.7	115.89
171	4.97232	9925.0	8906.1	105.05	241	2.72789	12125.5	10268.3	116.00
172	4.89409	9970.7	8935.5	105.31	242	2.71308	12151.2	10283.9	116.11
173	4.81977	10015.2	8964.1	105.57	243	2.69846	12176.9	10299.4	116.21
174	4.74899	10058.7	8991.9	105.82	244	2.68404	12202.5	10314.9	116.32
175	4.68146	10101.3	9019.1	106.06	245	2.66980	12228.0	10330.3	116.42
176	4.61690	10143.0	9045.6	106.30	246	2.65574	12253.4	10345.7	116.53
177	4.55507	10183.9	9071.6	106.53	247	2.64185	12278.8	10361.1	116.63
178	4.49576	10224.0	9097.1	106.76	248	2.62814	12304.1	10376.4	116.73
179	4.43879	10263.4	9122.1	106.98	249	2.61460	12329.4	10391.7	116.83
180	4.38398	10302.2	9146.6	107.20	250	2.60123	12354.6	10406.9	116.94
181	4.33120	10340.4	9170.6	107.41	251	2.58802	12379.7	10422.1	117.04
182	4.28030	10377.9	9194.3	107.62	252	2.57496	12404.8	10437.3	117.14
183	4.23116	10415.0	9217.6	107.82	253	2.56206	12429.8	10452.4	117.23
184	4.18367	10451.5	9240.5	108.02	254	2.54932	12454.8	10467.5	117.33
185	4.13773	10487.5	9263.1	108.21	255	2.53672	12479.8	10482.5	117.43
186	4.09325	10523.1	9285.4	108.40	256	2.52427	12504.6	10497.6	117.53
187	4.05014	10558.3	9307.4	108.59	257	2.51197	12529.5	10512.6	117.62
188	4.00833	10593.0	9329.1	108.78	258	2.49980	12554.2	10527.5	117.72
189	3.96775	10627.4	9350.5	108.96	259	2.48778	12579.0	10542.4	117.82
190	3.92834	10661.3	9371.6	109.14	260	2.47589	12603.6	10557.3	117.91
191	3.89002	10695.0	9392.6	109.32	261	2.46413	12628.3	10572.2	118.01
192	3.85276	10728.3	9413.3	109.49	262	2.45250	12652.8	10587.0	118.10
193	3.81648	10761.2	9433.7	109.66	263	2.44100	12677.4	10601.8	118.19
194	3.78116	10793.9	9454.0	109.83	264	2.42963	12701.9	10616.6	118.29
195	3.74674	10826.3	9474.0	110.00	265	2.41837	12726.3	10631.4	118.38
196	3.71318	10858.3	9493.9	110.16	266	2.40724	12750.7	10646.1	118.47
197	3.68045	10890.2	9513.6	110.32	267	2.39623	12775.1	10660.8	118.56
198	3.64850	10921.7	9533.1	110.48	268	2.38534	12799.4	10675.4	118.65
199	3.61730	10953.0	9552.4	110.64	269	2.37456	12823.7	10690.1	118.74
200	3.58683	10984.1	9571.6	110.80	270	2.36389	12847.9	10704.7	118.83
201	3.55704	11014.9	9590.6	110.95	271	2.35333	12872.1	10719.3	118.92
202	3.52793	11045.6	9609.5	111.10	272	2.34288	12896.3	10733.9	119.01
203	3.49944	11076.0	9628.2	111.25	273	2.33254	12920.4	10748.4	119.10
204	3.47158	11106.2	9646.8	111.40	274	2.32230	12944.5	10762.9	119.19
205	3.44430	11136.2	9665.2	111.55	275	2.31217	12968.6	10777.4	119.28
206	3.41758	11166.0	9683.6	111.69	276	2.30213	12992.6	10791.9	119.36
207	3.39141	11195.6	9701.7	111.84	277	2.29220	13016.6	10806.3	119.45
208	3.36577	11225.1	9719.8	111.98	278	2.28237	13040.5	10820.7	119.54
209	3.34064	11254.4	9737.8	112.12	279	2.27263	13064.4	10835.1	119.62
210	3.31599	11283.5	9755.6	112.26	280	2.26298	13088.3	10849.5	119.71
211	3.29182	11312.4	9773.4	112.39	281	2.25343	13112.2	10863.9	119.79
212	3.26811	11341.2	9791.0	112.53	282	2.24397	13136.0	10878.2	119.88
213	3.24484	11369.9	9808.5	112.67	283	2.23461	13159.8	10892.5	119.96
214	3.22199	11398.4	9826.0	112.80	284	2.22533	13183.5	10906.8	120.05
215	3.19956	11426.8	9843.3	112.93	285	2.21613	13207.2	10921.1	120.13
216	3.17752	11455.0	9860.5	113.06	286	2.20703	13230.9	10935.3	120.21
217	3.15588	11483.1	9877.7	113.19	287	2.19801	13254.6	10949.6	120.29
218	3.13461	11511.0	9894.8	113.32	288	2.18907	13278.2	10963.8	120.38
219	3.11370	11538.9	9911.8	113.45	289	2.18021	13301.8	10978.0	120.46
220	3.09315	11566.6	9928.7	113.57	290	2.17144	13325.4	10992.2	120.54
221	3.07294	11594.2	9945.5	113.70	291	2.16274	13348.9	11006.3	120.62
222	3.05306	11621.7	9962.2	113.82	292	2.15412	13372.4	11020.5	120.70
223	3.03351	11649.0	9978.9	113.95	293	2.14558	13395.9	11034.6	120.78
224	3.01427	11676.3	9995.5	114.07	294	2.13712	13419.4	11048.7	120.86
225	2.99533	11703.5	10012.0	114.19	295	2.12873	13442.8	11062.8	120.94
226	2.97669	11730.5	10028.5	114.31	296	2.12042	13466.2	11076.9	121.02
227	2.95834	11757.5	10044.9	114.43	297	2.11218	13489.6	11091.0	121.10
228	2.94028	11784.3	10061.2	114.55	298	2.10401	13513.0	11105.0	121.18
229	2.92248	11811.1	10077.5	114.66	299	2.09591	13536.3	11119.0	121.26
230	2.90495	11837.7	10093.7	114.78	300	2.08788	13559.6	11133.0	121.33