

TABLE II. Smooth curve specific volume.

Pressure (bars) ^{a,b}	Specific volume cc/g					
	37.8°C	60.0°	79.4°	98.9°	115.0°	135.0°
PSU 25, 9-n-octylheptadecane						
atmospheric	1.2650	1.2885	1.3099	1.3321	1.3510	1.3751
344.6	1.2344	1.2542	1.2722	1.2898	1.3051	1.3224
689.1	1.2110	1.2281	1.2432	1.2586	1.2727	1.2852
1033.6	1.1919	1.2075	1.2201	1.2333	1.2468	1.2571
1378.2	1.1750	1.1903	1.2016	1.2135	1.2254	1.2348
1722.8	1.1604	1.1745	1.1855	1.1961	1.2069	1.2157
2067.3	1.1475	1.1611	1.1712	1.1807	1.1907	1.1990
2411.8	1.1360	1.1484	1.1585	1.1672	1.1770	1.1838
2756.4	1.1256	1.1377	1.1467	1.1551	1.1643	1.1709
3101.0	1.1157	1.1273	1.1354	1.1440	1.1531	1.1588
3445.5	1.1064	1.1178	1.1256	1.1339	1.1426	1.1480
3790.0	1.0980	1.1088	1.1166	1.1243	1.1330	1.1382
4134.6	1.0899	1.1006	1.1084	1.1156	1.1237	1.1286
4479.2	1.0820	1.0925	1.1003	1.1072	1.1153	1.1199
4823.7		1.0852	1.0927	1.0993	1.1072	1.1118
5168.2		1.0781	1.0856	1.0917	1.0996	1.1041
5512.8		1.0717	1.0786	1.0847	1.0928	1.0968
5857.4		1.0655	1.0722	1.0778	1.0861	1.0897
6201.9			1.0663	1.0714	1.0795	1.0838
6546.4			1.0609	1.0656	1.0736	1.0776
6891.0			1.0553	1.0596	1.0677	1.0717
7235.6				1.0546	1.0624	1.0661
7580.1				1.0496	1.0570	1.0608
7924.6				1.0445	1.0522	1.0553
8269.2				1.0397	1.0475	1.0500
8613.8				1.0352	1.0427	1.0455
8958.3				1.0310	1.0382	1.0407
9302.8				1.0265	1.0337	1.0365
9647.4				1.0220	1.0295	1.0323
9992.0				1.0178	1.0251	1.0281
10336.5				1.0136	1.0209	1.0244
PSU 18, 1-phenyl-3(2-phenylethyl)hendecane						
atmospheric	1.0996	1.1174	1.1334	1.1507	1.1648	1.1832
344.6	1.0799	1.0956	1.1090	1.1223	1.1320	1.1485
689.1	1.0626	1.0769	1.0887	1.0998	1.1068	1.1221
1033.6	1.0480	1.0610	1.0716	1.0812	1.0878	1.1000
1378.2	1.0352	1.0471	1.0568	1.0660	1.0722	1.0818
1722.8	1.0244	1.0350	1.0440	1.0526	1.0582	1.0667
2067.3	1.0144	1.0243	1.0327	1.0403	1.0465	1.0537
2411.8	1.0054	1.0145	1.0226	1.0296	1.0350	1.0422
2756.4	0.9971	1.0056	1.0135	1.0199	1.0247	1.0316
3101.0	0.9891	0.9974	1.0050	1.0110	1.0154	1.0224
3445.5	0.9814	0.9896	0.9971	1.0029	1.0065	1.0138
3790.0		0.9826	0.9898	0.9950	0.9984	1.0057
4134.6			0.9828	0.9876	0.9910	0.9977
4479.2			0.9764	0.9803	0.9841	0.9903
4823.7			0.9700	0.9739	0.9773	0.9832
5168.2			0.9642	0.9679	0.9708	0.9768
5512.8			0.9586	0.9621	0.9647	0.9704
5857.4			0.9533	0.9565	0.9587	0.9646
6201.9			0.9482	0.9513	0.9534	0.9591
6546.4			0.9429	0.9463	0.9485	0.9540
6891.0			0.9380	0.9415	0.9437	0.9489
7235.6				0.9371	0.9391	0.9441
7580.1				0.9325	0.9345	0.9395
7924.6				0.9284	0.9302	0.9352
8269.2				0.9243	0.9261	0.9309
8613.8				0.9203	0.9221	0.9267
PSU 19, 1-cyclohexyl-3(2-cyclohexylethyl)hendecane						
atmospheric	1.1699	1.1898	1.2070	1.2258	1.2415	1.2614
344.6	1.1467	1.1643	1.1777	1.1937	1.2054	1.2218
689.1	1.1273	1.1429	1.1554	1.1703	1.1784	1.1929
1033.6	1.1112	1.1258	1.1367	1.1507	1.1575	1.1709
1378.2	1.0977	1.1106	1.1209	1.1341	1.1405	1.1530
1722.8	1.0857	1.0976	1.1072	1.1198	1.1257	1.1370
2067.3	1.0745	1.0861	1.0954	1.1065	1.1117	1.1223
2411.8	1.0648	1.0752	1.0842	1.0945	1.0995	1.1093
2756.4	1.0559	1.0657	1.0742	1.0840	1.0887	1.0978
3101.0		1.0570	1.0651	1.0743	1.0787	1.0874
3445.5		1.0491	1.0564	1.0654	1.0693	1.0778
3790.0		1.0412	1.0484	1.0572	1.0608	1.0689
4134.6		1.0336	1.0412	1.0496	1.0532	1.0607
4479.2			1.0341	1.0426	1.0458	1.0528
4823.7			1.0277	1.0357	1.0389	1.0457
5168.2			1.0216	1.0288	1.0319	1.0387
5512.8			1.0160	1.0227	1.0255	1.0318
5857.4				1.0173	1.0197	1.0254
6201.9				1.0120	1.0138	1.0198
6546.4					1.0082	1.0142
6891.0					1.0028	1.0086
7235.6					0.9975	1.0035
7580.1					0.9924	0.9986
7924.6					0.9875	0.9942
8269.2						0.9896
8613.8						0.9853
8958.3						0.9812
PSU 110, 9(3-cyclopentylpropyl)heptadecane						
atmospheric	1.2228	1.2455	1.2655	1.2862	1.3034	1.3264
344.6	1.1947	1.2138	1.2313	1.2470	1.2622	1.2796
689.1	1.1730	1.1903	1.2059	1.2192	1.2323	1.2460
1033.6	1.1551	1.1712	1.1852	1.1980	1.2074	1.2192
1378.2	1.1396	1.1545	1.1679	1.1796	1.1878	1.1992
1722.8	1.1260	1.1399	1.1525	1.1637	1.1709	1.1818
2067.3	1.1138	1.1272	1.1382	1.1491	1.1561	1.1670
2411.8	1.1023	1.1152	1.1260	1.1364	1.1427	1.1526
2756.4	1.0921	1.1047	1.1149	1.1246	1.1307	1.1398
3101.0	1.0829	1.0950	1.1047	1.1141	1.1200	1.1286
3445.5	1.0747	1.0855	1.0955	1.1046	1.1103	1.1181
3790.0	1.0665	1.0774	1.0871	1.0957	1.1011	1.1082
4134.6	1.0591	1.0700	1.0791	1.0872	1.0928	1.0989
4479.2	1.0522	1.0633	1.0715	1.0793	1.0852	1.0907
4823.7		1.0564	1.0646	1.0719	1.0778	1.0831
5168.2		1.0501	1.0580	1.0650	1.0706	1.0757
5512.8		1.0442	1.0521	1.0586	1.0635	1.0688
5857.4			1.0462	1.0528	1.0568	1.0626
6201.9			1.0403	1.0469	1.0510	1.0568
6546.4			1.0350	1.0415	1.0453	1.0508
6891.0			1.0294	1.0359	1.0402	1.0452