

TABLE I CONTINUED

GAS NO. 13, NITROGEN	P, ATM.	DENSITY, G-MOLES/L	$k \times 10^4$, CAL/CM SEC °C
13- 1	1.	3.50E-02	.685
13- 2	25.	8.72E-01	.710
13- 3	50.	1.73E-00	.736
13- 4	60.	2.07E-00	.746
13- 5	70.	2.41E-00	.757
13- 6	80.	2.74E-00	.767
13- 7	90.	3.07E-00	.778
13- 8	100.	3.40E-00	.789
13- 9	125.	4.21E-00	.817
13-10	150.	4.99E-00	.845
13-11	175.	5.74E-00	.875
13-12	200.	6.46E-00	.905
13-13	250.	7.81E-00	.968
13-14	300.	9.05E-00	1.03
13-15	400.	1.11E+01	1.16
13-16	500.	1.29E+01	1.28
13-17	750.	1.63E+01	1.59
13-18	1000.	1.87E+01	1.88
13-19	1500.	2.20E+01	2.42
13-20	2000.	2.44E+01	2.93
13-21	3000.	2.77E+01	3.83

S = .154, $1 \leq P \leq 3000$

GAS NO. 14, ETHANE

14- 1	1.	3.50E-02	.659
14- 2	25.	1.00E-00	.723
14- 3	50.	2.42E-00	.840
14- 4	60.	3.22E-00	.918
14- 5	70.	4.22E-00	1.03
14- 6	80.	5.47E-00	1.16
14- 7	90.	6.81E-00	1.31
14- 8	100.	7.93E-00	1.42
14- 9	125.	9.60E-00	1.61
14-10	150.	1.05E+01	1.74
14-11	175.	1.11E+01	1.85
14-12	200.	1.16E+01	1.94
14-13	250.	1.24E+01	2.11
14-14	300.	1.29E+01	2.25
14-15	400.	1.37E+01	2.49
14-16	500.	1.44E+01	2.70
14-17	750.	*	3.13
14-18	1000.	*	3.50
14-19	1500.	*	4.12
14-20	2000.	*	4.64
14-21	3000.	*	5.50

S = .212, $1 \leq P \leq 610$; S = .195, $390 \leq P \leq 3000$