

TABLE I CONTINUED

GAS NO.	$P_1$ ATM.	DENSITY, G-MOLES/L CALIBRATION)	$k \times 10^4$ , CAL/CM SEC °C
14- 1	1.	3.50E-02	.663
14- 2	25.	1.00E-00	.726
14- 3	50.	2.42E-00	.845
14- 4	60.	3.22E-00	.928
14- 5	70.	4.22E-00	1.04
14- 6	80.	5.47E-00	1.19
14- 7	90.	6.81E-00	1.34
14- 8	100.	7.93E-00	1.45
14- 9	125.	9.60E-00	1.61
14-10	150.	1.05E+01	1.73
14-11	175.	1.11E+01	1.83
14-12	200.	1.16E+01	1.92
14-13	250.	1.24E+01	2.08
14-14	300.	1.29E+01	2.22
14-15	400.	1.37E+01	2.46
14-16	500.	1.44E+01	2.66

$S = .329$ ,  $1 \leq P \leq 503$ ,  $S = .283$ ,  $391 \leq P \leq 1851$