

TABLE 8

 $\bar{I}$ (C), 10.88; H_2SO_4 (D), 4.82; H_3AsO_4 (E), 0.2835; V, 0.120

No.	Reading	θ	x	$E - x$	$K_1 \cdot 10^4$
1	0.0	0.0	0.0000	0.2835	—
2	5.95	1.67	0.0277	0.2558	—
3	18.0	6.33	0.0837	0.1998	2.30
4	30.9	13.4	0.1372	0.1463	2.08
5	41.5	22.5	0.1930	0.0905	2.17
6	46.6	29.4	0.2162	0.0673	2.10
7	52.0	40.7	0.2418	0.0417	2.02
8	56.2	58.0	0.2613	0.0222	2.06

Average 4-8 2.09

Reading 60.9 is proportional to x 0.2835

TABLE 9

 $\bar{I}$ (C), 88; H_2SO_4 (D), 2.41; H_3AsO_4 (E), 0.2835; V, 0.120

No.	Reading	θ	t	$E - r$	$K_1 \cdot 10^4$	$K_2 \cdot 10^6$
1	0.0	0.0	0.0000	0.2835	—	—
2	1.1	1.0	0.00512	0.2784	—	—
3	6.05	6.17	0.02815	0.2554	5.73	1.14
4	14.7	16.2	0.07541	0.2081	8.29	1.28
5	22.2	27.5	0.1033	0.1802	7.13	1.10
6	29.8	42.0	0.1387	0.1448	6.91	1.07
7	38.2	64.8	0.1777	0.1058	6.57	1.01
8	42.9	82.0	0.1996	0.0839	6.43	1.02
9	46.6	100.5	0.2169	0.0666	6.27	1.00

Average 4-6 7.44

Reading 60.9 is proportional to x 0.2835

Correction for the direct rate is negligible