

Noyes' Measurements

TABLE XXXVII
KBrO₃, 166; KI, 1000; HCl, 4000

TABLE XXXVIII
KBrO₃, 83; KI, 500; HCl, 4000

<i>t</i>	<i>x</i>	$K \times 10^{13}$	<i>t</i>	<i>x</i>	$K \times 10^{13}$
2	112	63	1.5	46	65
4	192	62	3	88	68
7	279	62	5	125	66
11	358	62	8	180	70
16	423	62	12	233	70
22	479	62	17	261	72
30	526	62	23	294	73
40	562	62			

TABLE XXXIX
KBrO₃, 83; KI, 1000; HCl, 4000

TABLE XL
KBrO₃, 83; KI, 500; HCl, 4000

<i>t</i>	<i>x</i>	$K \times 10^{13}$	<i>t</i>	<i>x</i>	$K \times 10^{13}$
1.5	48	68	2.5	40	68
3	90	68	5.5	79	68
5	134	68	9	112	72
8	179	65	15	155	71
12	223	63	23	194	72
17	258	60	36	235	74
23	290	60	58	275	71

F. C. Bowman's Measurements

TABLE XLI
KBrO₃, 55.26; KI, 4960; H₂SO₄, 1666.6

<i>t</i>	<i>x</i>	Percent bromate decomposed	$K \times 10^{11}$
6	62.4	18.8	98
19	155.8	46.8	98
30	206.6	62.3	99
40	238.8	72.1	99
50	261	78.7	98
60	276.4	83.3	97
70	290.2	87.6	97
80	299.6	90.2	97
100	315.6	95.1	98