

Day 05.02.2016 Dilution 1:3
 Concentration of salicylic acid 300 mg/L
 Concentration of NaSO₄ 0.05 M
 Volume 10 L

									$k=1/\Delta t \ln(c_1/c_2)$	$\sigma^2=\sum(k-k_m)^2$	$x=40.48y-1.797$
time	T (°C)	pH	Absorbance	conductivity (μS/cm)	current (A)	voltage (V)	time (min)	Abs/abs_0	k	σ	concentration (mg/L)
16.40	27.84	3.10	7.2776	9.78	7.00	9.20	0	1	-	-	292.8401
17.00	27.75	3.11	6.9161	9.76	7.00	8.80	20	0.9503	0.002547	1.33401E-07	278.2045
17.20	27.10	3.10	6.7635	9.76	-6.40	-7.80	40	0.9294	0.001115	1.13853E-06	272.0283
17.40	27.35	3.11	6.4725	9.57	7.00	8.80	60	0.8894	0.002199	2.77953E-10	260.2470
18.00	27.17	3.12	6.0699	9.62	7.00	8.60	80	0.8341	0.003211	1.0584E-06	243.9474
18.20	26.94	3.11	5.9898	9.80	-6.50	-7.80	100	0.8231	0.000664	2.3044E-06	240.7045
18.40	27.04	3.11	5.6916	9.79	7.00	8.80	120	0.7821	0.002553	1.37715E-07	228.6316
19.00	27.05	3.12	5.4377	9.64	7.00	8.50	140	0.7472	0.002282	9.99785E-09	218.3502
19.20	26.99	3.12	5.2415	9.89	-6.40	-7.80	160	0.7202	0.001837	1.18881E-07	210.4069
19.40	27.03	3.13	5.0451	9.83	7.00	8.80	180	0.6932	0.001909	7.46364E-08	202.4575
20.00	27.09	3.11	4.7673	9.87	7.00	8.50	200	0.6551	0.002832	4.22028E-07	191.2105
20.20	26.92	3.12	4.5549	9.79	-6.40	-7.80	220	0.6259	0.002279	9.33054E-09	182.6113
20.40	27.00	3.13	4.3580	9.80	7.00	8.80	240	0.5988	0.002210	7.76116E-10	174.6377
21.00	27.03	3.12	4.1259	9.88	7.00	8.50	260	0.5669	0.002736	3.06526E-07	165.2429
21.20	27.04	3.12	3.9378	10.02	-6.40	-7.80	280	0.5411	0.002333	2.2761E-08	157.6275
21.40	26.97	3.11	3.7815	9.86	7.00	8.80	300	0.5196	0.002025	2.47617E-08	151.3002
									Average	Sum	
									0.002182	5.76242E-06	

11,30_1 2.4297
 11,30_2 2.4220
 11.50_1 2.3060
 11.50_2 2.3047

12.10_1	2.2487
12.10_2	2.2603
12.30_1	2.1602
12.30_2	2.1548
12.50_1	2.0254
12.50_2	2.0212
13.10_1	1.9973
13.10_2	1.9959
13.30_1	1.8996
13.30_2	1.8948
13.50_1	1.8136
13.50_2	1.8115
14.10_1	1.7480
14.10_2	1.7463
14.30_1	1.6819
14.30_2	1.6815
14.50_1	1.5896
14.50_2	1.5886
15.10_1	1.5187
15.10_2	1.5179
15.30_1	1.4530
15.30_2	1.4523
15.50_1	1.3752
15.50_2	1.3754
16.10_1	1.3126
16.10_2	1.3126
16.30_1	1.2606
16.30_2	1.2604
blank_2	0.0435

