

Ghazwa Al-Doori
 Electrolytic Solutions Lab
 Environmental Chem 505

Electrolytic solution lab. July 23, 2008
 Group data

Handwritten: 15 + water
 15

Concentration Al ₂ (SO ₄) ₃	Conductivity μ s/cm				Average	Stand. Divia.	Relative Stdev.
	Ghazwa	Kate	Andrea	Barbara			
0.4	3124	3152	3150	3137	3140.75	12.99679448	0.4138%
0.04	3085	3105	3105	3094	3097.25	9.673847907	0.31233%
0.004	1625	1628	1592	1613	1614.5	16.34013464	1.012%
0.0004	306	330	304	307	311.75	12.23042654	3.9231%
0.00004	75	74	77	77	75.75	1.5	1.9801%

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.638995
R Square	0.408315
Adjusted R Square	0.211087
Standard Error	1301.405
Observations	5

ANOVA					Significance	
	df	SS	MS	F	F	
Regression	1	3506316	3506316	2.070265	0.245788	
Residual	3	5080968	1693656			
Total	4	8587285				

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	1171.688	669.5654	1.749923	0.178439	-959.17	3302.54	959.17	3302.546
X Variable 1	5358.566	3724.22	1.43884	0.24578	-6493.58	17210.7	6493.5	17210.71