CHEM 330: Aquatic Chemistry Lab

Nitrate Analysis Data Workup Sheet

Instructions: *Enter your data and calculations into this document. Use formulas to calculate your answers, and use Excel to display the correct number of significant digits. Your calculations must match your instructor's* ***exactly*** *for full credit! Your calculations should also be clearly shown in your lab notebook.*
Do not change the format of this worksheet, add or remove cells, etc.

Your Name: _____

Stock Concentration (mg/L):

Measurements

	Conc. (mg/L)	Abs (a.u.)	Corrected A
Blank			
Low Standard			
Medium Low Standard			
Medium Standard			
Medium High Standard			
High Standard			
Sample 1-1			
Sample 1-2			
Sample 1-3			
Sample 2-1			
Sample 2-2			
Sample 2-3			

Sample 1 Average Abs	
Sample 1 Concentration (mg/L)	
Sample 1 Confidence Interval (mg/L)	

Sample 1 Average Abs	
Sample 1 Concentration (mg/L)	
Sample 1 Confidence Interval (mg/L)	

Dilution Calculations

C1 (mg/L)	V1 (mL)	V2 (mL)

Linear Regression

Insert a plot of your calibration curve here.
Your plot should follow the plot guidelines for the course.
Make sure to include a trendline, and display the equation for the trendline and R2 value on the plot.