CHEM 330: Aquatic Chemistry Lab From Analysis Answer 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.

Specify your masses in grams and density in g/ml!

Your Name:									
Part 1 Part 2 Part 3A Part 3B	Class Mean	ass Measure Class SD	ements Class 50% Cl	Class 95% Cl					
Part 1 Part 2 Part 3A Part 3B	Mean Density	SD	50% CI	Your Data 95% CI	Mass 1	Mass 2	Mass 3	Mass 4	Mass 5
ID	Mean Density	SD	50% CI	Unknown Data 95% CI	Mass 1	Mass 2	Mass 3	Mass 4	Mass 5
Question 1:	Which had the sma	allest standard	deviation, your da	ata or the class data?	' Is this what y	ou expected's	Why or why	not?	
Question 2: Discuss the magnitude of the random (indeterminate) error in measurements using the different methods for measuring volume. Which method has the smallest random error? Why?									
Question 3: Do you suspect any systematic error in this experiment? Why? What could (or should) be done to correct it?									