Chemistry 50 Experiment 23

Lab Instructor:	Name:	
	DATA	
1. Mass of empty evaporating di	sh	
2. Volume of NaCl solution used	(to the nearest 0.1 mL)	
3. Mass of evaporating dish plus	NaCl solution	
4. Mass of NaCl solution		
5. Mass of evaporating dish and dried NaCl		
6. Mass of dried NaCl		
	(Show all calculation setups, in	
Sh	ow work here	Result
8. Mass/volume percent concent	ration of NaCl solution	
9. Moles of NaCl in sample		
10. Volume of NaCl solution in	liters	

11. Molarity of NaCl solution

Questions		
1.	What are some possible sources of error in this experiment?	
2.	15.0 mL of a NaCl solution that has a mass of 15.78 g is placed in an evaporating dish and evaporated to dryness. The residue has a mass of 3.26 g. Calculate the following concentrations for the NaCl solution: a. mass/mass percent	
	b. mass/volume percent	
	c. molarity	