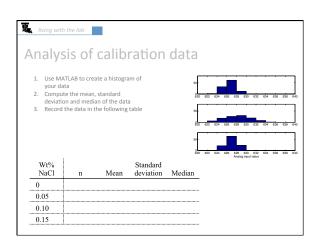


1.	Configure your flow loop as required for homework			
2.	Implement the conductivity sensor circuit on your breadboard			
3.	Flush tank with DI water.			
	a. Pour enough DI water into your fishtank to fill the flow loop			
	b. Turn on the pump to run the flow loop for about a minute to "wash out" the impurities			
	c. Turn the three-way valve toward the drain to flush the system			
	d. Repeat to completely clean the system			
	Fill the system with DI water			
5.	Collect calibration data			
	Wait for the system to come into equilibrium			
	 b. Copy a large (50 to 100) readings from the Serial Monitor to a text file or Excel 			
	c. Save the file with a name that allows you to identify it later			
6.	Fill the system with 0.05 wt% salt water. Flush once, and refill with 0.05 wt% salt water			
7.	Repeat steps 5a through 5c			
8.	Repeat steps 5 through 7 for 0.10 wt% salt water and 0.15 wt% salt water			



living with the lab					
1. Configure your flow loop as required for homework 2. Implement the conductivity sensor circuit on your breadboard 3. Flush tank with DI water. a. Pour enough DI water into your fishtank to fill the flow loop b. Turn on the pump to run the flow loop for about a minute to "wash out" the impurities. c. Turn the three-way valve toward the drain to flush the system d. Repeat to completely clean the system 4. Fill the system with DI water 5. Collect calibration data for DI water 6. Fill the calibration data for 0.05 wt% salt water. 7. Collect calibration data for 0.05 wt% salt water 8. Repeat steps 6 and 7 for 0.10 wt% salt water and 0.15 wt% salt water					
	salt concentration (%wt)	output to LCD			
	0.00		← collect this data		
	0.05		collect trils data		
	0.10				
	1	I			

