

Redox Titration

Student Name:

Partner Name:

Date		Instructor Initials		Grade	

Save the titration curve for the three trials to your LabQuest and then export the data to a USB drive. Plot both the titration curve and the first derivative for each of your trials. You will need to upload your spreadsheet to Canvas. Based on your results, determine the equilibrium volume for each trial. Calculate the error, the difference between the equilibrium volume and endpoint volume. Then calculate the %error by dividing the error by the equilibrium volume times 100%.

	Trial 1	Trial 2	Trial 3	Average
Equilibrium Volume (ml)				
Endpoint Volume (ml)				
Error (ml)				
%Error				

Show an example of your %Error calculation for trial 1.

Calculate the exact concentration of the ferrous ammonium sulfate solution based on the average equilibrium volume.