CHM 3120L

INTRODUCTION TO ANALYTICAL CHEMISTRY

LABORATORY REPORT

# EXPERIMENT: POTENTIOMETRIC TITRATION OF AN ACID MIXTURE

Name: Click here to enter text.

Section: Click here to enter text.

Date Experiment Completed: Click here to enter a date.

Paste Excel Plot of One NaOH Standard Titration Derivative Plot

Paste Excel Plot of One NaOH Standard Titration Curve

1.

 

2.

Paste Excel Plot of One Unknown Titration Derivative Plot

Paste Excel Plot of One Unknown Titration Curve

 

3. Complete the following table for the NaOH standardization.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Molarity | Trial 1 | Trial 2 | Trial 3 | Average | St. Dev. |
| Strong Molarity  (Ms) | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. |
| Weak Molarity  (Mw) | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. |

4. Complete the following table for your unknown mixture.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| mMoles of Acid | Trial 1 | Trial 2 | Trial 3 | Average | St. Dev. |
| Strong | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. |
| Weak | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. |