

## Data Tables

### Part 1. Standardization of Potassium Permanganate Solution

 Molarity of  $\text{Fe}^{2+}$  \_\_\_\_\_ M

|  | Trial 1 | Trial 2 | Trial 3 |
|--|---------|---------|---------|
| Volume of $\text{Fe}^{2+}$ solution titrated | mL      | mL      | mL      |
| Initial volume of $\text{MnO}_4^-$ solution  | mL      | mL      | mL      |
| Final volume of $\text{MnO}_4^-$ solution    | mL      | mL      | mL      |
| Volume of $\text{MnO}_4^-$ added             | mL      | mL      | mL      |

### Part 2. Determination of Concentration of Oxalic Acid Solution

 Molarity of  $\text{MnO}_4^-$  solution \_\_\_\_\_ M

|  | Trial 1 | Trial 2 |
|--|---------|---------|
| Volume of $\text{H}_2\text{C}_2\text{O}_4$ solution titrated | mL      | mL      |
| Initial volume of $\text{MnO}_4^-$ solution                  | mL      | mL      |
| Final volume of $\text{MnO}_4^-$ solution                    | mL      | mL      |
| Volume of $\text{MnO}_4^-$ added                             | mL      | mL      |

 Molarity of  $\text{H}_2\text{C}_2\text{O}_4$  solution \_\_\_\_\_ M

