**Preparation of a Standard HCl Solution**

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Course\_\_\_\_\_\_Section\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_

Standardization of HCl

 Mass of THAM \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Volume of THAM solution \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Molarity of THAM solution \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Aliquot 1** | **Aliquot 2** | **Aliquot 3** |
| Volume of aliquot |  |  |  |
| Volume of HCl |  |  |  |
| Molarity of HCl |  |  |  |

Average molarity of HCl\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Std. Dev.\_\_\_\_\_\_\_\_\_\_\_

Range (*Highest M – Lowest M*) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Checklist for the Lab:**

[ ] Answer the prelaboratory questions and the quiz questions in your lab notebook.

[ ] Complete the coversheet.

[ ] Finish your notebook pages to include a complete set of calculations and a reflective summary?

[ ] Complete the CHALLENGE QUESTIONS in your laboratory notebook.