**Good Laboratory Practices**

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

1. Did you complete the following tasks?

Learn the names of all glassware and equipment in your care.

Clean glassware and equipment.

Prepare your desiccator.

Weigh out, dry, and store 4-5 g of THAM in preparation for next week’s experiment.

Have your TA sign your notebook confirming you’ve completed CHECK IN to the lab.

Have your TA sign your notebook confirming you’re using the analytical balance correctly.

Have your TA sign your notebook confirming you’re reading the meniscus correctly on the buret.

1. Mass of THAM weighed out before and after drying:

Grams of THAM weighed out before drying:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Grams of THAM weighed out after drying: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. 25-ml Pipet

Class \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Tolerance \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Barometric Pressure \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Temperature of Water \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Trial 1 Trial 2 Trial 3

Weight of water \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Correction Factor \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Calculate volume (20C) \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Average \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Std. Deviation \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. 50-ml Buret

Class \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Tolerance \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Trial 1

Barometric Pressure \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Temperature of Water \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Correction Factor (10 ml) \_\_\_\_\_\_\_

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Interval** | **Buret**  **Readings** | **Apparent**  **Volume** | **Weight** | **True Volume** | **(app.v - true v)**  **Correction** | **Cumulative**  **Correction** |
| **Initial** |  |  |  |  |  |  |
| **0 - 10** |  |  |  |  |  |  |
| **10 - 20** |  |  |  |  |  |  |
| **20 - 30** |  |  |  |  |  |  |
| **30 - 40** |  |  |  |  |  |  |
| **40 - 50** |  |  |  |  |  |  |

Trial 2

Barometric Pressure \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Temperature of Water \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Correction Factor (10 ml) \_\_\_\_\_\_\_

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Interval** | **Buret**  **Readings** | **Apparent**  **Volume** | **Weight** | **True Volume** | **(app.v - true v)**  **Correction** | **Cumulative**  **Correction** |
| **Initial** |  |  |  |  |  |  |
| **0 - 10** |  |  |  |  |  |  |
| **10 - 20** |  |  |  |  |  |  |
| **20 - 30** |  |  |  |  |  |  |
| **30 - 40** |  |  |  |  |  |  |
| **40 - 50** |  |  |  |  |  |  |