**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** |  |  |  |  |  |  |