

## Lab Report Handling Data

H. Ryott Glayzer  
30 Jan 2024

### Notice of ADA Accommodation

I have an ADA accommodation to type out my pre-lab report when my disability flares up. This document is a utilization of that accommodation.

## 1 Post-Lab Questions

### 1.1 9.1

#### 1.1.1 9.1.1

I was able to make a reasonable hypothesis based largely on the smell of the chemicals.

#### 1.1.2 9.1.2

The smell was a physical property, and the flammability was chemical.

#### 1.1.3 9.1.3

The flammability and temperature are intensive properties and the volume and mass were extensive properties.

#### 1.1.4 9.1.4

Another qualitative observation that could be useful would be a relative pH test. Maybe some chemicals varied in pH, and taking a relative pH test, comparing the differences rather than absolute pH's, would be qualitative.

## 2 Conclusions

This lab demonstrated the importance of qualitative and quantitative observations in chemistry. I didn't learn much compared to what I learned in high school chemistry in this lab. However, I had some issues getting the lab done after my lab partner left.

The lab also taught the importance of organizing data. One way this was done was with a spreadsheet software. I use spreadsheet software in my daily work in the particle astrophysics lab.