

Conclusion

After being able to complete the data of the 4 trials, we were able to take that data and apply it to the average density and standard deviation. This will give us the ability to see what the identity of the metal is. This lab focused on the density of metal and thus the identity of such metal. After finding the average density we can use that number to help with standard deviation. Our standard deviation was less than 1% which tells us that our trials were pretty much accurate. When we look at the average density of metals I noticed that none of them matched, but because of our standard deviation we were given the marginal error which allowed for the metal identity.