Carter Hicks

September 18, 2017

Chemistry

Separations of a Mixture

**D. Data collection**

Table 1: Quantitative Data Collection

|  |  |
| --- | --- |
| Item | Mass |
| Sand | 2.68g |
| Salt | .72g |
| Iron | 1.98g |

Qualitative observations

**E. Data Analysis**

|  |  |
| --- | --- |
| Substance | Percent error |
| sand | 13% |
| salt | 46% |
| Iron | 32% |

|  |  |
| --- | --- |
| Substance | % composition |
| Sand | 48% |
| Salt | 13% |
| Iron | 35% |

Explain data

**F. Results & Conclusion**

The purpose of this experiment was to show the separation of a mixture and how to separate different elements from different mixtures.

In our experiment we added to much water and we lost a lot of salt.

In the future we need to improve the way we got rid of the water to get the salt

In this lab I learned how to separate heterogeneous mixtures and homogenous mixture.

All paragraph form. Must include: purpose, hypothesis, etc. look at the rubric to get full credit!