**Spectrophotometric Determination of Iron**

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

Mass of ferrous ammonium sulfate (g) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Concentration of MAIN STOCK iron solution (ppm) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Concentration of WORKING STOCK iron solution (ppm) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |
| --- | --- | --- |
|  | *(Exact)* Concentration of Iron  (in ppm) | Average  Absorbance |
| Standard 1 |  |  |
| Standard 2 |  |  |
| Standard 3 |  |  |
| Standard 4 |  |  |
| Standard 5 |  |  |
| Standard 6 |  |  |
| Standard 7 |  |  |
| Sample |  |  |

Concentration of iron in complexed/diluted sample (ppm) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Concentration of iron in original 100 mL solution before dilution (ppm) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_