

Data Table

	Sample A	Sample B + Iron Std.
Number of Drops of Citrate Solution Added		
Concentration of Final Solution, ppm Fe	ppm Fe	ppm Fe

Disposal

Consult your instructor for appropriate disposal procedures.

Calculations and Post-Lab Analysis *(Use a separate sheet of paper to answer the following questions.)*

- From the data, calculate the total amount of iron in
 - The final 100-mL sample from step 5.
 - The final 100-mL matrix spike sample from step 9.
- The dietary supplement pill was dissolved in 100 mL of water, then 10 mL of that 100-mL solution was diluted to 100 mL to create the sample solution.
 - Calculate the total amount of iron in the original solution.
 - Calculate the percent recovery for the spiked sample.
- Each tablet contains 27 mg of iron. Calculate the percent error in the experimental iron content value.