**Hardness of Water**

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

Standardization of EDTA Solution

Weight of EDTA used \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Weight of CaCO3 used \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Concentration of CaCO3 solution \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Aliquot 1 Aliquot 2 Aliquot 3

Volume of aliquot \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Volume of EDTA to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ titrate CaCO3 solution

Concentration of EDTA \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Avg. Concentration of EDTA solution \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Std. Dev. \_\_\_\_\_\_\_\_\_\_

Titration of Unknown Water Sample

Aliquot 1 Aliquot 2 Aliquot 3

Volume of aliquot \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Volume of EDTA to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

titrate unknown solution

Concentration of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Unknown in ppm (mg/l)

Reported Value for the amount of CaCO3 in the Unknown Water Sample (in ppm)

(BE SURE TO REPORT THE AVERAGE VALUE!)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Std. Dev. \_\_\_\_\_\_\_\_