

The WQ_Results and Chloride_Samples tables in WaterQuality.mdb contain a variety of water quality sampling data collected across several years and at a variety of locations (lakes, streams, etc.) within Oklahoma.

Using these tables, write queries to complete the following problems:

1. Use an Update Query on the Chloride_Samples table to convert SAMPLE_VAL values from $\mu\text{g/L}$ (micrograms per liter) to mg/L (where $1 \text{ mg/L} = 1000 \mu\text{g/L}$). Also, update the Units values for the Chloride records from “ug/L” to “mg/L” (you might have to use u instead of μ). This can be done in a single update query.

UPDATE Chloride_Samples

SET SAMPLE_VAL = SAMPLE_VAL/1000, UNITS = "mg/L";