

Hardness Data Sheet

Station Name _____

Station Number _____

River/Stream _____

Date of sample ___/___/___

Volunteer Group _____

Time of sample ___ : ___

TOTAL HARDNESS

1. Amount of sample used (should be 50ml): _____ ml

2. Add ammonia buffer and EBT indicator.
Did solution turn purple? Yes No

3. Titrate from purple to blue.

4. Record the ml of EDTA you added.

end point _____ ml - start point _____ ml = the difference = _____ mL EDTA used

5. Multiply ml of EDTA used by 20 to get the Total Hardness result, and record below.

Example: (7.4 mL EDTA titrant used) x 20 = 148.0 (mg/L) total hardness as CaCO₃

Total hardness _____ (mg/L) CaCO₃

Comments: _____

Data recorded by _____

Date recorded _____