

Hardness Unknown Data Sheet

Volunteer (School) Group: _____

Test Date: ____ / ____ / ____

Hardness Unknown Batch #: _____

Remember: Hardness titration is a slow process, go drop by drop!

Test 1:

1. Amount of Hardness Unknown used: _____ mLs

2. Did solution turn violet when you added the ammonia buffer & EBT indicator? Yes No

3. Titrate from violet to royal blue.

This is the endpoint of titration. Read burette carefully!

4. Record the mL of EDTA you added. _____ mL EDTA

5. Multiply mLs of EDTA used by **20**. (mLs EDTA used) x **20** = _____ **mg/L**
CaCO₃

Comments _____

Volunteer Signature: _____

Date recorded _____

Hardness Unknown Data Sheet

Volunteer (School) Group: _____

Test Date: ____ / ____ / ____

Hardness Unknown Batch #: _____

Remember: Hardness titration is a slow process, go drop by drop!

Test 2:

1. Amount of Hardness Unknown used: _____ mLs

2. Did solution turn violet when you added the ammonia buffer & EBT indicator? Yes No

3. Titrate from violet to royal blue.

This is the endpoint of titration. Read burette carefully!

4. Record the mL of EDTA you added. _____ mL EDTA

5. Multiply mLs of EDTA used by **20**. (mLs EDTA used) x **20** = _____ mg/L CaCO₃

Comments _____

Volunteer Signature: _____

Date recorded _____

Average the 2 test results:

Test 1 result: _____ Test 2 result: _____ Average: _____

Hardness Unknown True Value (to be completed by RW Staff). _____ mg/L CaCO₃

Percent Recovery _____ %

Entered/Validated by RW staff: _____ **Date:** _____