

## Experiment 28: Water Sampling

**SYNOPSIS** Sample procedures for obtaining tap water are given. The method used is that recommended by the Water Works Association .

### **PROCEDURE**

1. Take first morning cold water sample from kitchen tap: Let cold water run 30 s. Rinse plastic bottle several times. Fill to neck and cap.
2. Let cold water run for 1 minute and take a second labeled sample.
3. Let cold water run for 5 minutes and take a third labeled sample.
4. Acidify each sample to pH 1.5 or 2 with concentrated HCl.

**REPORT** In addition to materials, methods, and results, your report should include the following information:

1. How were your samples randomized?
2. What efforts were taken to avoid contaminating the sample?
3. How were the samples labeled in order to achieve good quality control?
4. How was the sample stabilized to prevent losses in transit and storage? Be specific for the type of sample you have.
5. Attach a neatly drawn map of your sampling and attach it to your report.