

COLORADO ANALYTICAL LABORATORIOS, INC.  
**Sampling Instructions Method 525.2 (SOCs)**

Read all instructions carefully. Lab may reject samples if all instructions are not followed.  
Confirm scheduling and instructions with lab BEFORE sampling – 303-659-2313

1. **Sample Location:** Use the state-approved location as specified on your Monitoring Schedule. If one has not been designated, select an appropriate location which is representative of the distribution system.
2. **Sampling Materials:**  
**Containers / de-chlorinating agent:** Two pre-cleaned 1-Liter glass bottles. Each container will contain sodium sulfite to remove residual chlorine from the sample.  
**Preservative:** 1:1 Hydrochloric acid (HCl), ice. (2 vials are included with 5 mL each, one per 1-Liter sample container).  
**Other:** Gloves, labels, marker, safety glasses, *phthalate-free* gloves.
3. **Safety Concerns:** Caution! Hydrochloric acid is a strong acid and will cause burns. Caution! “Empty” sample vials may contain acid. Open them slowly and carefully.
4. **Sample Collection Procedure** – Fill the two sample containers as follows:
  - a. Remove aerator, screen and all attachments, such as hoses, from the faucet.
  - b. Turn on cold water tap and run for 4 to 5 minutes or until water temperature has stabilized, whichever is longer. Then reduce the flow so that stream of water is no greater than 1/8 inch in diameter.
  - c. Remove container cap. Do not put cap face down or in pocket. Do not allow inside of cap, inside of bottle or bottle threads to be touched by any object. Do not rinse bottle.
  - d. Fill the sample container slowly to approximately 1” below the top of the bottle. **DO NOT ALLOW THE WATER TO CONTACT PLASTIC!** This could contaminate the sample. Sodium sulfite has been added to each sample container to remove residual chlorine. **Do not overfill and wash out the Sodium Sulfite prior to the addition of the acid described in step f.**
  - e. Cap and shake the sample container to dissolve the sodium sulfite (powder in the sample bottle).
  - f. Only after the sodium sulfite has dissolved, add 5 mL of 1:1 HCl to each sample container for Method 525.2. 5 mLs is contained in the vial sent with the samples. Unscrew the cap and empty the contents of the vial into the bottle and replace the cap.
  - g. It is recommended that protective gloves be worn during the sampling process to avoid skin contact with the preservatives. Should your skin or clothing contact any preservative, flush the area thoroughly with water. DO NOT allow glove contact with the water being put into the bottles.
  - h. Fill out the COC form provided. Be sure to include sample date, time, location of sample collection, the tests being requested, and your PWSID number.
  - i. Return the samples to Colorado Analytical as soon as possible after sampling. Keep the samples cool (4°C) until delivery. It is recommended that if samples cannot be hand delivered, they be packaged with sufficient ice to ensure that the samples arrive at the laboratory with a substantial amount of ice remaining in the cooler and shipped via the quickest means possible. Call (303) 659-2313 with any questions.

240 South Main Street  
Brighton, CO 80601

12860 W Cedar Dr., Unit 100A  
Lakewood, CO 80228