

COLORADO ANALYTICAL LABORATORIOS, INC.

Sampling Instructions: Radon

Read instructions carefully. Lab may reject samples if all instructions are not followed.
Confirm scheduling and instructions with lab BEFORE sampling – 303-659-2313
Wash hands. Wear safety glasses and clean nitrile gloves.

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 system.
2. **Sampling Materials:**
Containers: Two pre-cleaned 40-mL glass vials with Teflon septa.
Preservatives: None.
Other: Labels, marker, safety glasses, phthalate-free gloves.
3. **Safety Concerns:** None.
4. **Sample Collection Procedure** – Fill at least two vials 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 and no bubbles are present. (There must not be any effervescence, i.e., bubbles, in the stream of water.)
 - 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.
 - d. Fill vial carefully until water is nearly to the rim. They gently add sample to the inverted cap, and gently pour sample from the cap to the vial to form water above the rim (create a meniscus). This will prevent the formation of an air pocket in the vial.
 - e. Carefully cap the vial trying not to displace any of the water. The Teflon side of the septum must be down (facing the sample).
 - f. Screw the cap on securely. Check for air bubbles by inverting the vial and gently tapping the cap. If bubbles are present, carefully remove the cap and repeat step 4d.
 - g. Repeat for each container provided for each sample location. It is important that all containers be filled and properly labeled.
 - h. Fill out the chain-of-custody form provided. Be sure to include sample point code (sample ID), date and time, the tests being requested, name of person collecting the sample, 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 shipped via the quickest method possible. Call 303-659-2313 with any questions.

Ship or hand-deliver to:

Colorado Analytical Laboratories
303-659-2313 phone / 303-659-2315 fax

240 S Main Street
Brighton, CO 80601

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Lakewood, CO 80228