

## Sample Collection Instructions for Public Water Supplies: Volatile Organic Compounds (VOCs)

Please read instructions prior to collecting sample(s).

### Non-Chlorinated Water Supply Instructions

1. Do NOT disinfect the sample tap with chlorine before taking this sample.
2. Remove aerator and screen from the faucet.
3. Turn on the cold water tap. Flush the system for 4-5 minutes or until the temperature has stabilized, whichever is longer. Reduce the flow so that the stream of water is no greater than a thin stream.
4. Fill both 40ml VOA vials provided with NO headspace or air bubbles by filling the vials just above the rim to form a meniscus. Gently tap the vials to dislodge any air bubbles.
5. Carefully place the cap over the vial. The Teflon side, (shiny side) of the septum will be facing up. Screw cap on securely. Check for air bubbles by inverting the vial and gently tapping the cap. If bubbles are present, add more water.
6. Cool sample with ice to < 6 degrees C and return to the lab as soon as possible.

### Chlorinated Water Supply Instructions

1. Do NOT disinfect the sample tap with chlorine before taking this sample.
2. Remove aerator and screen from the faucet.
3. Turn on the cold water tap. Flush the system for 4-5 minutes or until the temperature has stabilized, whichever is longer. Reduce the flow so that the stream of water is no greater than a thin stream.
4. Fill both 40ml VOA vials provided with NO headspace or air bubbles by filling the vials just above the rim to form a meniscus. Gently tap the vials to dislodge any air bubbles.
5. Carefully add 5 drops of the 1:1 HCl provided. The acid will sink to the bottom of the vial and displace 5 drops of sample.
6. Carefully place the cap over the vial. The Teflon side, (shiny side) of the septum will be facing up. Screw cap on securely. Check for air bubbles by inverting the vial and gently tapping the cap. If bubbles are present, add more water.
7. Cool sample with ice to < 6 degrees C and return to the lab as soon as possible.

HCl is corrosive please use caution.