

PFAS (EPA 533) Sampling Instructions

Attention: The sampling kit bottles contain a solid chemical preservative. To ensure proper sample preservation, **READ SAMPLING INSTRUCTIONS PRIOR TO COLLECTION. DO NOT DUMP, SPILL OR OVERFLOW** the bottles when collecting the sample. There are 5 - 250 mL bottles. Four (4) of the bottles contain preservative and the fifth (5th) bottle contains reagent water (labeled 'RW' this bottle **will be used** during sample collection).

Chemical preservative: 250 mg ammonium acetate to sequester free chlorine to form chloramine.

SAMPLING PROCEDURE

1. Remove the ice packs and **freeze 24 hours prior to sample collection**. Thorough freezing of the ice packs will help ensure the integrity of the sample and avoid costly resampling due to improper thermal preservation.
 2. **Precautions against contamination:** Workers must wash their hands before sampling and wear nitrile gloves while filling and sealing the sample bottles. Users should seek to minimize accidental contamination of the samples.
 3. Open the tap and allow the system to flush until the water temperature has stabilized (approximately three to five minutes). Collect samples from the flowing system.
 4. Fill **three** (3) sample bottles, taking care not to flush out the chemical preservative. Samples do not need to be collected headspace free.
 5. Cap the bottle and agitate by hand until the chemical preservative is dissolved.
 6. Open the 'RW' bottle and pour the reagent water into the remaining sample bottle containing preservative labeled 'FRB'.
 7. When sampling is complete, cool the samples (either by refrigeration or on ice) prior to placing the bottles in the cooler. Place the **frozen ice packs** from step 1 around the samples.
 8. Remove the return label from the chain-of-custody and place it onto the cooler. Place the completed chain-of-custody back inside the Ziplock bag and place it on top of the samples.
 9. Return the cooler to the IEPA Laboratory via UPS or any other delivery service **as soon as possible**.
- During summer months, it is recommended to ship samples within 24 hours of collection to ensure thermal preservation.
 - During summer months it is **NOT RECOMMENDED** to ship samples on Thursdays or Fridays.
 - **The IEPA Laboratory does not receive samples on Saturday, Sunday or State & Federal holidays.**