

▶ SAMPLING AND SHIPPING INSTRUCTIONS

# Trivalent Arsenic

**Please read all the instructions before sampling to ensure proper test results.**

**Before sampling, check sampling kit for the following:**

- Syringes (1): 30 mL BD, reusable
- Filters: 0.45 um Glass Membrane Filter-Whatman 0.45 um GMF w/GMF, non reusable
- Adapter (1): Reusable
- Cartridge: Strong Anion exchange cartridge-Supelco LC-SAX, non reusable
- Sample bottles, two 120 mL, plastic

**Sampling Steps for Trivalent Arsenic**

1. Remove the plunger from the syringe barrel. Rinse with sample three times.
2. Fill syringe with sample to the 30 mL mark and attach the plunger back to the syringe barrel.
3. Invert syringe assembly so the tip is upright and force any air in the syringe out by pushing the plunger up to the point where sample hits the bottom of the syringe.
4. Assemble the filter to the syringe luer lock with a slight twist action following the picture to the right. Attach an adaptor to the bottom of the filter. Attach the cartridge to the bottom of the adaptor.
5. Pre-condition the packing bed in the cartridge by expressing a few milliliters of sample through the

cartridge assembly. Discard these few milliliters. Collect approximately 25 mL filtrate in the sample bottle. The filtrate will only contain trivalent arsenic if present.

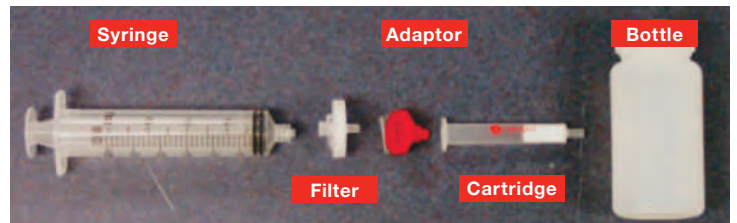
6. Use a fresh filter-cartridge assembly for each sample site.

**Sampling Steps for Total Arsenic**

1. Directly collect a second sample, non- filtered in a separate bottle for “total” arsenic analysis.
2. Indicate sampling date, time and name of sampler on both the bottle labels and the enclosed Chain of Custody. Information on the Chain of Custody and labels must match and be complete.

**Shipping Instructions**

- Return bottles to the laboratory within 14 days of collection to ensure accurate test results.
- Hand deliver samples to the laboratory or ship samples by any carrier service.



Quantity