



Sampling for Polynuclear Aromatic Hydrocarbons (PAHs)

The cassettes are assembled by CASSEN Testing Labs and wrapped in aluminum foil to minimize exposure to light.

Equipment:

- XAD-2 tube, cassette with PTFE filter and support pad assembled by CASSEN.
- Sampling pump, tygon tubing and calibrator.

Instructions:

1. Before sampling, wash hands thoroughly without using fragrant soap or hand cream.
2. Identify the inlet and outlet pieces of the filter cassette.
3. Attach a 0.5" tygon tube piece to the outlet part of the cassette and connect the XAD-2 to the tube to achieve a filter and tube train, See Figure 1.1 below. Try to keep the aluminum foil on the media while sampling.
4. Connect the tygon tubing from the XAD tube to the pump.
5. Using the calibration cassette and calibration sorbent tube, calibrate the sampling pump to the desired flow rate.
6. Sample for the appropriate amount of time to achieve the required volume. Record the total sampling time and flow rate.
7. After sampling, put inlet and outlet plugs back onto the cassette pieces and place tube ends on both ends of the XAD-2 tubes.
8. Wrap the samples in aluminum foil and label the samples.
9. Fill out the Chain of Custody accordingly.

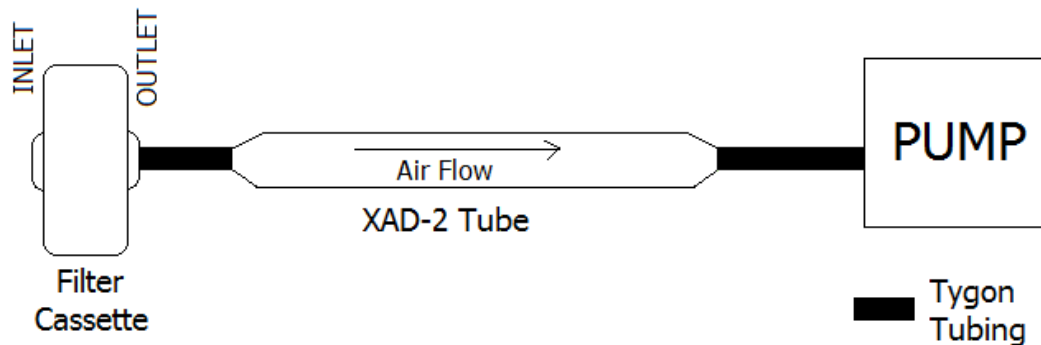


Figure 1.1: Sampling Train for PAHs

Store and package the samples (including blanks) at $\leq 4^{\circ}\text{C}$ temperature

Please try to notify the lab in advance if RUSH services are required.