ENDYNE, INC.
Laboratory Services
Lebanon, New Hampshire
Plattsburgh, New York
Williston, Vermont
www.endynelabs.com

VOLATILE ORGANIC CONTAMINANTS (VOC)
By EPA 524.2

SAMPLING INSTRUCTIONS

Refer to your WSID sampling plan for the location to collect the VOC sample.

A Trip Blank (40 mL vial pre-filled with laboratory water) accompanies each sample kit and is returned to the laboratory unopened; it is analyzed if there is a positive target hit.

It is very important to fill the vials completely without air bubbles.

Shipping and Handling:
Keep samples at a temperature less than 6^0C from time of collection until deliver to the lab.
Maximum holding time is 14 days.

CHLORINATED WATER SYSTEMS

Sampling Materials:

- 3 - 40mL Vials containing 25 mg Ascorbic Acid
- 1 - 4 mL dropper vial of 1:1 HCl. Avoid skin contact
- 2 – Trip Blank, prefilled with laboratory water. Keep with samples. Do not open.

1. Remove aerator and screen from the faucet. Turn on the cold water tap and run for 4 to 5 minutes, then reduce flow so that stream of water is not greater than 1/8 inch in diameter.
2. Remove cap from one of the vials. Carefully fill the vial until the water meniscus is above the rim of the vial.
3. Replace cap and gently invert to dissolve the ascorbic acid crystals. Fill the other two vials in a similar manner.
4. Set aside the vial labeled “Check for Chlorine/Do Not Add Acid”
5. The remaining two vials will now be preserved with Hydrochloric Acid. Set the vial on a flat surface and carefully remove the vial cap. Remove the cap from the small plastic dropper and carefully add 5 drops of the 1:1 Hydrochloric Acid to the center of the water surface. The acid will sink to the bottom of the vial. Replace cap and gently invert. Repeat this procedure with the other vial.
6. Return all 5 vials and the dropper bottle to the laboratory on Ice.

NON-CHLORINATED WATER SYSTEMS

Sampling Materials:

- 2 - 40mL Vials containing Hydrochloric Acid
- 1 – 40mL Clear Vial with No Acid – “Chlorine Check Vial”
- 2 – Trip Blank, prefilled with laboratory water. Keep with samples. Do not open.

1. Remove aerator and screen from the faucet. Turn on the cold water tap and run for 4 to 5 minutes, then reduce flow so that stream of water is not greater than 1/8 inch in diameter.
2. Remove cap from one of the vials. Carefully fill the vial until the water meniscus is above the rim of the vial.
3. Replace cap and gently invert. Fill the other two vials in a similar manner.
4. Return all 5 vials to the laboratory on Ice.

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