



Synthetic Organic Chemicals (SOC'S) For Compliance and/or UCMR List 1

Instructions For Sample Collection

Collection Point

Samples must be collected in the proper number, at the appropriate time and location, and of the proper volume in order to satisfy the requirements of the Compliance and UCMR monitoring.

- Groundwater and surface water systems should be representative of the source water following treatment.
- Samples must be collected at entry points to the distribution system (EPTDSs) representing each non-emergency water source in routine use over the 12-month period of monitoring. Generally, samples should be taken at the tap on the pipeline before the treated water is sent to the distribution system. Sometimes sampling taps (faucets) are available in the plant laboratory for the water entering the distribution system.
- Systems that draw water from more than one source and that combine (blended sample) prior to distribution must sample during periods of normal operating conditions.
- Samples must be collected at the same sampling point each cycle, unless conditions make another sampling point more representative.
- If the water system is treating for any organic compounds (i.e. packed tower aeration, granular activated carbon, oxidation, etc.) contact your regional Drinking Water Specialist to locate the proper collection point.

Bottles must NOT be filled near gasoline cans, gasoline powered motors, paint cans, lighter fluid, paint strippers, pesticide bottles or exhaust fumes from running engines. Fumes and vapors may contaminate the samples.

Sample Collection

1. If water taps are to be used for sampling, all aerators, strainers and hose attachments need to be removed. Open the tap and allow the system to flush for about ten minutes or until the water temperature has stabilized. Adjust the flow to about the thickness of a pencil. Collect the sample directly from a tap and not through any plastic or rubber hoses or tubing. Position the container under the tap and collect the sample from the flowing stream.
2. Collect two (2) one-liter bottle(s) at each collection point for method 525.2
The 1L bottles contain dry preservative (sodium sulfite) as a dechlorinating agent. After the bottle is filled, cap and invert to dissolve the sodium sulfite. Next add 5 mls (complete contents) of vial labeled "Caution! Hydrochloric Acid" to reduce the pH to less than 2. Gloves are provided. Cap and return the acid vial to the plastic container and place in the cooler for return.
Collect two (2) 500 ml bottle(s) at each collection point for method 515.1
Collect one (1) 40 ml bottle at each collection point for method 531
3. All samples need to be kept cold. Complete Sample Information form (WSI) and return to the lab within 24 hours.

IMPORTANT: Be careful not to touch or otherwise contaminate the inside of the lid or the lip of the bottle during sampling