



Instructions for Wetchem Water Sample Collection

Container Type & Preservation-

Sample containers provided by Accurate Labs are certified clean by the manufacturer and pre-labeled for your convenience. Accurate can provide you with the proper container type and preservation for the analysis needed. If containers used have preservation it will be indicated on the container label and may have additional labeling on the containers lid.

PLEASE BE CAREFUL WITH PRESERVATION IN CONTAINERS. They may be acidic or basic or of another type that may be harmful by contact or ingestion. Accurate recommends that the proper PPE be worn if needed.

Collection of water samples-

Unpreserved –

BOD, TSS, TDS, Anions, Alkalinity, Hardness, pH, Conductivity, Hexavalent Chromium, Turbidity, ¹SUVA, ¹DOC

Preserved –

*NH₃, TKN, COD, Phenol, Total Phosphorus - H₂SO₄ Preservation
Cyanide, Available Cyanide - NaOH Preservation
Sulfide - NaOH & Zinc Acetate Preservation
¹TOC - H₃PO₄ Preservation
²Chlorate, ²Chlorite, ²Bromate, ²Bromide – EDA Preservation*

1. Collect samples in 500 mL or 1 L plastic or glass containers unless otherwise noted. Containers obtained from the laboratory are ready to be filled.
**Do not rinse out preservative in containers obtained from the laboratory.
2. During sample collection containers should be filled slowly until sample water is to the bottom of the containers neck.
3. The sample container should be shaken to dissolve the preservative, if any.
4. Complete the information on the sample label including date, time, and location.
5. Keep sample cool by placing it in a cooler on ice or in the refrigerator.
6. Fill out and sign chain of custody with correct information.
7. Transport sample to laboratory in a cooler or on ice.

*** Hexavalent chromium samples must be received at the laboratory within 24 hours.*

*** BOD, Nitrate/Nitrite, Ortho Phosphorus, Turbidity, Color, Surfactants, SUVA, DOC samples must be received at the laboratory within 48 hours.*

*** TSS/TDS/TVSS/TVS/TS, Sulfide samples must be received at the laboratory within 7 days.*

*** Alkalinity, Hardness, Cyanide samples must be received at the laboratory within 14 days.*

Reporting considerations -

In order to document data quality, any sampling or matrix problems that may affect analytical results will be supplied as a foot note to your final report.

Samples received at Lab –

When received at the lab sample containers must be on ice and have a temperature ≤ 6 °C

¹ - Collect samples as above in 40 mL amber glass vials.

² - Collect samples as above in 60 mL amber glass vials.

****Do not rinse out preservative in vials obtained from the laboratory.**