

Required Containers, Preservation, and Holding Times

in accordance with 40 CFR Part 136 for non-potable waters

Parameter	Container	Preservative	Holding Time, Max.
<i>Inorganic Tests</i>			
Acidity	P,G	Cool, 4°C	14 days
Alkalinity	P,G	Cool, 4°C	14 days
Ammonia-N	P,G	Cool, 4°C H ₂ SO ₄ to pH<2	28 days
5-day BOD	P,G	Cool, 4°C	48 hours
Bromide	P,G	None	28 days
COD	P,G	Cool, 4°C H ₂ SO ₄ to pH<2	28 days
Chloride	P,G	None	28 days
Chlorine, total residual	P,G	None	Analyze immediately
Color	P,G	Cool, 4°C	48 hours
Cyanide, total and amenable	P,G	Cool, 4°C NaOH to pH<2, 0.6g Asc. acid	14 days
Fluoride	P	None	28 days
Hardness	P,G	HNO ₃ to pH<2, H ₂ SO ₄ to pH<2	6 months
Hydrogen ion (pH)	P,G	None	Analyze immediately
Kjeldahl and organic nitrogen	P,G	Cool, 4°C H ₂ SO ₄ to pH<2	28 days
Nitrate	P,G	Cool, 4°C	48 hours
Nitrate-Nitrite	P,G	Cool, 4°C H ₂ SO ₄ to pH<2	28 days
Nitrite	P,G	Cool, 4°C	48 hours
Oil & Grease	G	Cool, 4°C HCl or H ₂ SO ₄ to pH<2	28 days
Organic carbon, (TOC)	P,G	Cool, 4°C HCl or H ₂ SO ₄ to pH<2	28 days
Orthophosphate	P,G	Cool, 4°C	48 hours
Phenols	G	Cool, 4°C H ₂ SO ₄ to pH<2	28 days
Phosphorous, elemental	G	Cool, 4°C	48 hours
Phosphorous, total dissolved	P,G	Cool, 4°C H ₂ SO ₄ to pH<2	28 days
Residue, filterable (TDS)	P,G	Cool, 4°C	7 days
Residue, nonfilterable (TSS)	P,G	Cool, 4°C	7 days
Residue, settleable	P,G	Cool, 4°C	48 hours
Residue, total	P,G	Cool, 4°C	7 days
Residue, volatile	P,G	Cool, 4°C	7 days
Silica	P	Cool, 4°C	28 days
Specific conductance	P,G	Cool, 4°C	28 days
Sulfate	P,G	Cool, 4°C	28 days
Sulfide	P,G	Cool, 4°C add ZnAC + NaOH to pH>9	7 days
Sulfite	P,G	None	Analyze immediately
Surfactants (MBAS)	P,G	Cool, 4°C	48 hours
Temperature	P,G	None	Analyze immediately
Turbidity	P,G	Cool, 4°C	48 hours
<i>Metals</i>			
Metals, except Cr(VI) and Hg	P,G	HNO ₃ to pH<2	6 months
Chromium (VI)	P,G	Cool, 4°C, or buffered to pH 9.3-9.7	24 hours, or 28 days
Mercury, Hg	P,G	HNO ₃ to pH<2	28 days