

UC LABORATORY

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Please find UC Laboratory's current certified methods on this chart. A copy of our certificate and scope are available upon request.

Unless arrangements have been made with the laboratory, it is our agreement with you that these methods are acceptable.

<i>ANALYTE</i>	<i>METHOD</i>	<i>CONTAINER</i> ¹	<i>PRESERVATION</i>	<i>HOLDING TIME</i> ²
Alkalinity, as CaCO ₃	SM2320B-2011	P	Cool to ≤ 6 °C	14 Days
Ammonia as N	EPA 350.1	P	Cool to ≤ 6 °C, H ₂ SO ₄ <2 pH	28 Days
Bicarbonates (HCO ₃)	Calculation using Alkalinity & pH	P	Cool to ≤ 6 °C	14 days
Biochemical Oxygen Demand, BOD ₅	SM 5210B-2011	P	Cool to ≤ 6 °C	48 Hours
Biochemical Oxygen Carbonaceous, CBOD ₅	SM 5210B-2011	P	Cool to ≤ 6 °C	48 Hours
Chemical Oxygen Demand	Hach 8000	P	Cool to ≤ 6 °C, H ₂ SO ₄ <2 pH	28 Days
Chloride	SM 4500-Cl ⁻ E-2011	P	None Required	28 Days
Conductivity, (Specific Conductance)	EPA 120.1	P	Cool to ≤ 6 °C	28 Days
Fluoride	SM4500F-C-97	P	None Required	28 Days
Hardness	SM 2340B-2011	P	HNO ₃ or H ₂ SO ₄ <2 pH	6 Months
Kjeldahl Nitrogen, Total (TKN)	EPA 351.2	P	Cool to ≤ 6 °C, H ₂ SO ₄ <2 pH	28 Days
Metals, Dissolved	EPA 200.7, EPA 6010D ⁶	P	Filter within 15 minutes HNO ₃ to <2 pH or at least 24 hours prior to analysis	6 Months
Metals, Total (except Mercury)	EPA 200.7, EPA 6010D ⁶	P	HNO ₃ to <2 pH or at least 24 hours prior to analysis	6 Months
Nutrients	EPA 200.7, EPA 6010D ⁶	P	HNO ₃ to <2 pH or at least 24 hours prior to analysis	6 Months
Nitrate as N	SM 4500-NO ₃ ⁻ F-2011 (calc.)	P	Cool to ≤ 6 °C	48 Hours
Nitrate+nitrite	SM 4500-NO ₃ ⁻ F-2011	P	Cool to ≤ 6 °C, H ₂ SO ₄ <2 pH	28 Days
Nitrite, as N	SM 4500-NO ₃ ⁻ F-2011	P	Cool to ≤ 6 °C	48 Hours
Oil & Grease	Contract Lab	G	Cool to ≤ 6 °C, HCl or H ₂ SO ₄ <2 pH	28 Days
Orthophosphate, as P	EPA 365.1	P	Cool to ≤ 6 °C	Filter within 15 minutes; Analyze within 48 hr.

ANALYTE	METHOD	CONTAINER ¹	PRESERVATION	HOLDING TIME ²
pH	SM 4500H+B-2011, EPA 9045D, SM 4500H+B-2000 ⁶	P	None Required	Analyze within 15 minutes
Phosphorus, Total	EPA 365.1	P	Cool to ≤ 6 °C, H ₂ SO ₄ <2 pH	28 Days
Residue filterable (TDS)	SM 2540 C-2011	P	Cool to ≤ 6 °C	7 Days
Residue, nonfilterable (TSS)	USGS I-3765-85	P	Cool to ≤ 6 °C	7 Days
Residue, (TS %)	SM 2540 B-2011/SM 2540 G-2011 ⁶	P	Cool to ≤ 6 °C	7 Days
Residue, (VS)	EPA 160.4, SM 2540G-2011 ⁶	P	Cool to ≤ 6 °C	7 Days
MICROBIOLOGY	METHOD	CONTAINER ¹	PRESERVATION	HOLDING TIME ²
Coliform, Fecal (CWP)	SM 9221 E + C-2006	Sterile 125 mL P	Cool to <10 °C .0008% Na ₂ S ₂ O ₃	8 Hours ³
Coliform, Fecal (CWP)	SM 9222D (m-FC)-2006 ⁴	Sterile 125 mL P	Cool to <10 °C .0008% Na ₂ S ₂ O ₃	8 Hours ³
Coliform, Fecal (CWP)	Colilert®-18 (Fecal Coliform) ⁵	Sterile 125 mL P	Cool to <10 °C .0008% Na ₂ S ₂ O ₃	8 Hours ³
Escherichia coli (CWP)	SM 9223 B (Colilert®-18 Quanti-Tray®)-2004	Sterile 125 mL P	Cool to <10 °C .0008% Na ₂ S ₂ O ₄	8 Hours ³
Coliform, Total (SDWP)	SM 9223 B (Colilert®)-2004	Sterile 125 mL P	Cool to <10 °C .0008% Na ₂ S ₂ O ₃	<30 Hours
Escherichia coli (SDWP)	SM 9223 B (Colilert®)-2004	Sterile 125 mL P	Cool to <10 °C .0008% Na ₂ S ₂ O ₃	<30 Hours

1 "P" is polyethylene "FP" or fluoropolymer (polytetrafluoroethylene (PTFE: Teflon®), "G" is glass.

2 The times listed are the maximum times that samples may be held before the start of analysis and still be considered valid. For a 24 hour composite, the holding time begins at the end of collection of the composite sample.

3 If it is being sent in (SpeeDee, USPS, etc), 24 hours is acceptable.

4 All Influent, bypass/release, and septic samples will be analyzed with method SM 9222D(m-FC)-2006.

5 Any non influent, bypass/release, and septic samples will be analyzed using Colilert®-18(Fecal Coliform) unless otherwise noted on chain of custody or arrangements made directly with the laboratory.

6 CWP method/RCRA method/SDWP method

TRACE LEVEL MERCURY (< 100 ng/L) REQUIRES CLEAN HANDS DIRTY HANDS, EPA METHOD 1631 FOR COLLECTION. CONTACT YOUR CONTRACT LAB FOR FURTHER INSTRUCTIONS, SHIPPING CONTAINER, REQUIRED CONTAINERS, PRESERVATION.