

UC LABORATORY

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(800)683-9199

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.

ANALYTE	METHOD	CONTAINER ¹	PRESERVATION	HOLDING TIME 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-2016	P	Cool to ≤ 6 °C	48 Hours
Biochemical Oxygen Carbonaceous, CBOD ₅	SM 5210B-2016	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-2016 (calc.)	P	Cool to ≤ 6 °C	48 Hours
Nitrate+nitrite	SM 4500-NO ₃ ⁻ F-2016	P	Cool to ≤ 6 °C, H ₂ SO ₄ <2 pH	28 Days
Nitrite, as N	SM 4500-NO ₃ ⁻ F-2016	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-2015	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-2015/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-2014	Sterile 125/150 mL P	Cool to <10 °C .0008% Na ₂ S ₂ O ₃	8 Hours ³
Coliform, Fecal (CWP)	SM 9222D-2015 ⁴	Sterile 125/150 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 125/150 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 125/150 mL P	Cool to <10 °C .0008% Na ₂ S ₂ O ₄	8 Hours ³
Coliform, Total (SDWP)	SM 9223 B (Colilert®)-2004 ⁷	Sterile 125/150 mL P	Cool to <10 °C .0008% Na ₂ S ₂ O ₃	<30 Hours
Escherichia coli (SDWP)	SM 9223 B (Colilert®)-2004 ⁷	Sterile 125/150 mL P	Cool to <10 °C .0008% Na ₂ S ₂ O ₃	<30 Hours
Coliform, Total (SDWP)	SM 9223 B (Colisure®)-2016 ⁷	Sterile 125/150 mL P	Cool to <10 °C .0008% Na ₂ S ₂ O ₃	<30 Hours
Escherichia coli (SDWP)	SM 9223 B (Colisure®)-2016 ⁷	Sterile 125/150 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 Method SM 9222D-2015 is available upon request.

⁵ Any samples for Fecal Coliform 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

⁷ All bacteria samples will be analyzed with either SM 9223 B (Colisure®)-2016 or SM 9223 B (Colilert®)-2004. If you want to specify a method, either note it on the chain of custody or make arrangements directly with the laboratory.

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