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.

ANALYTE	METHOD	CONTAINER [1]	PRESERVATION	HOLDING TIME [2]
Alkalinty , as CaCO3	*SM2320 B-2021*	*P*	*Cool to ≤ 6 °C*	*14 Days*
Ammonia as N	*EPA 350.1*	*P*	*Cool to ≤ 6 °C, H_2SO_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_2SO_4 <2 pH*	*28 Days*
Chloride	*SM 4500-Cl^- E-2021*	*P*	*None Required*	*28 Days*
Conductivity, (Specfic Conductance)	*EPA 120.1*	*P*	*Cool to ≤ 6 °C*	*28 Days*
Hardness	*SM 2340B-2021*	*P*	*HNO_3 or H_2SO_4 <2 pH*	*6 Months*
Kjeldahl Nitrogen, Total (TKN)	*EPA 351.2*	*P*	*Cool to ≤ 6 °C, H_2SO_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-$NO3^-$F-2019 (calc.)*	*P*	*Cool to ≤ 6 °C*	*48 Hours*
Nitrate+nitrite	*SM 4500-$NO3^-$F-2019*	*P*	*Cool to ≤ 6 °C, H_2SO_4 <2 pH*	*28 Days*
Nitrite, as N	*SM 4500-$NO3^-$F-2019*	*P*	*Cool to ≤ 6 °C*	*48 Hours*
Oil & Grease	*Contract Lab*	*G*	*Cool to ≤ 6 °C, HCl or H_2SO_4 <2 pH*	*28 Days*
Orthophosphate, as P	*EPA 365.1*	*P*	*Cool to ≤ 6 °C*	*Filter within 15 minutes; Analyze within 48 hr.*
pH	*SM 4500H+B-2021, EPA 9045D, SM 4500H+B-2000 [6]*	*P*	*None Required*	*Analyze within 15 minutes*

ANALYTE	METHOD	CONTAINER [1]	PRESERVATION	HOLDING TIME [2]
Phosphorus, Total	*EPA 365.1*	*P*	*Cool to ≤ 6 °C, H_2SO_4 <2 pH*	*28 Days*
Residue filterable (TDS)	*SM 2540 C-2020*	*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-2020/SM 2540 G-2020*	*P*	*Cool to ≤ 6 °C*	*7 Days*
Residue, (VS %)	*EPA 160.4, SM 2540G-2020 [6]*	*P*	*Cool to ≤ 6 °C*	*7 Days*
PFAS[8]	*Contract Lab*	*P*	*Cool to ≤ 6 °C*	*90 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% $Na_2S_2O_3$*	*8 Hours [3]*
Coliform, Fecal (CWP)	*SM 9222D-2015 [4]*	*Sterile 125/150 mL P*	*Cool to <10 °C .0008% $Na_2S_2O_3$*	*8 Hours [3]*
Coliform, Fecal (CWP)	*Colilert®-18 (Fecal Coliform) [5]*	*Sterile 125/150 mL P*	*Cool to <10 °C .0008% $Na_2S_2O_3$*	*8 Hours [3]*
Escherichia coli (CWP)	*Colilert®-18 (E.coli)*	*Sterile 125/150 mL P*	*Cool to <10 °C .0008% $Na_2S_2O_4$*	*8 Hours [3]*
Coliform, Total (SDWP)	*SM 9223 B (Colilert ®)-2004 [7]*	*Sterile 125/150 mL P*	*Cool to <10 °C .0008% $Na_2S_2O_3$*	*<30 Hours*
Escherichia coli (SDWP)	*SM 9223 B (Colilert ®)-2004 [7]*	*Sterile 125/150 mL P*	*Cool to <10 °C .0008% $Na_2S_2O_3$*	*<30 Hours*
Coliform, Total (SDWP)	*SM 9223 B (Colisure ®)-2016 [7]*	*Sterile 125/150 mL P*	*Cool to <10 °C .0008% $Na_2S_2O_3$*	*<30 Hours*
Escherichia coli (SDWP)	*SM 9223 B (Colisure®)-2016 [7]*	*Sterile 125/150 mL P*	*Cool to <10 °C .0008% $Na_2S_2O_3$*	*<30 Hours*

1 "P" is polyethylene, "FP" is fluoropolymer (polytetraflurorethylene (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.

8 Wastestream and Biosolid matrices.

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.

ANALYTE	METHOD	CONTAINER [1]	PRESERVATION	HOLDING TIME [2]