

Sampling Guide - Tshimakain Creek Lab

Analysis	Specific Method	Container	Preservation	Hold (days)	Amount Needed
PHYSICAL PROPERTIES in Water					
Zooplankton	SM 10200G	250mL Clear Glass	formalin or ethanol	90	
Chlorophyll a	SM 10200H	1000mL Dark HDPE Plastic	filtered - frozen -10°C pre-filtered cool 4°C	90	1L
Turbidity	SM 2130 B-01	500mL HDPE Plastic	Cool 4°C	2.5	500 ml
Conductivity	SM 2510 B-97	500mL HDPE Plastic	Cool 4°C	1	500 ml
Total Dissolved Solids	SM 2540 C-97	1000mL HDPE Plastic	Cool 4°C	7	1L
Total Suspended Solids	SM 2540 D-97	1000mL HDPE Plastic	Cool 4°C	7	1L
pH	SM 4500-H+ B-00	500mL HDPE Plastic	Cool 4°C	1	500 ml
Total Hardness	SM 2340 C-97+ B-00	500mL HDPE Plastic	Cool 4°C	7	500 ml
INORGANIC, NON-METALLICS in Water					
I.C. Nutrients NO ₃ , NO ₂ , Cl, F, SO ₄ , O-P	EPA 300.0	250mL HDPE Plastic	Cool 4°C	2	250 ml
Ammonia as N	SM 4500-NH ₃ H-97	500mL HDPE Plastic	pH<2 H ₂ S ₀₄ , Cool 4°C	28	500 ml
Total Persulfate Nitrogen	SM 4500-NO ₃ ⁻ I-00	500mL HDPE Plastic	Cool 4°C	28	500 ml
ortho-Phosphate	SM 4500-P F-99	500mL HDPE Plastic	Cool 4°C	2	500 ml
Total Dissolved Phosphorus	SM 4500-P F-99	500mL HDPE Plastic	Cool 4°C	28	500 ml
Total Phosphorus	SM 4500-P F-99	500mL HDPE Plastic	Cool 4°C	28	500 ml
Total Alkalinity	SM 2320 B-97	500mL HDPE Plastic	Cool 4°C	14	500 ml
BACTERIOLOGICAL in Water					
Total Coliform P/A	SM9223B Colilert	125ml sterile sample bottle	Cool 10°C	1.5	100 ml
Fecal Coliform MF	SM9222D (m-FC)-97	500ml autoclaved bottle	Cool 4°C	2.5	500 ml
Fecal/E.coli MF	SM9222 D+G	500ml autoclaved bottle	Cool 4°C	2.5	500 ml