

FIT FOR PURPOSE

ANALYSIS

METHOD & REFERENCE

Alkalinity ¹	Automated Titrimetric, SM 2320 B
Ammonia-N ¹	Colorimetric, HACH 8038
Anions (individual) ¹	Ion Chromatography, EPA 300.0 (REV. 2.1)
Anions (Br, Cl, F, NO ₃ , NO ₂ , PO ₄ , SO ₄) ¹	Ion Chromatography, EPA 300.0 (REV. 2.1)
BOD – Total (5-day) ¹	Dissolved Oxygen Meter, SM 5210
BOD – Carbonaceous (5-day) ¹	Dissolved Oxygen Meter, SM 5210
Carbon – Dissolved Organic (DOC) ¹	Spectrophotometric, HACH 10129
Carbon – Total Organic (TOC) ¹	Spectrophotometric, HACH 10129
Chemical Oxygen Demand (COD) ¹	Colorimetric, SM 5220 D
Chlorine (Free or Total)	HACH 10250, HACH 8021
Colour ¹	Colorimetric, SM 2120 C
Conductivity ¹	Conductivity Meter, SM 2510
Dissolved Oxygen	SM 4500-0 G
Hardness (calculation) ¹	ICP/OES + Calculation of Ca, Mg
Mercury	ICP/OES
Metals, Single Element ¹	ICP/OES
Metals, Total ¹	ICP/OES
Nitrogen, Total Kjeldahl ²	n/a
Nitrogen, Total	HACH 10071
pH ¹	pH Meter, SM 4500 H+
Phenol ²	n/a
Phosphorus, Dissolved	ICP/OES
Phosphorus, Total	ICP/OES
Salinity	SM 2520
Solids, Total Dissolved ¹	Gravimetric, SM 2540
Solids, Total Suspended ¹	Gravimetric, SM 2540
Tannins & Lignins ²	n/a
Turbidity ¹	Turbidimetric, SM 2130
Un-Ionized Ammonia	Wastewater Systems Effluent Regulations (SOR/2012-139)
UV Transmittance (UV-254)	HACH 10243
Volatile Organic Compounds ²	n/a

PACKAGES

Package A (As, Pb, U)	ICP/OES
Package B (Pkg A + Alk, Cu, Fe, Hardness, Mn, pH & TDS)	Various
Registered Water Supplies (34 Parameters)	Various
Enviro Surface Water	Various
Enviro Ground Water	Various

¹ The following parameters are accredited by CALA and conforms with the requirements of ISO 17025:2017.

² Samples to be tested for these parameters are sent out to other laboratories upon Client's request, pricing is subject to change.