

APHA (Std Methods for the Examination of Water and Wastewater) and US EPA methods are used by ALA as standard methods

Parameter	Technique/ Method Reference	Limit of Reporting (mg/L) (or as indicated)
Suspended Solids (SS) – Standard level	APHA 2540 D	5
Total Dissolved Solids (TDS) – Standard Level	APHA 2540 C	10
Major Anions Suite: (Cl, SO ₄ , Alkalinity incl.) 4	APHA 4500 SO ₄ , APHA 4500-Cl ⁻ -B, APHA 2320 B	1
Major Cations + Hardness (Ca, Mg, Na, K)	APHA 3120	1
Total Nitrogen, TKN, NO _x (as N), Total Phosphorus	APHA 4500 Norg/NO ₃ APHA 4500 P - F	0.01 (TN, TKN = 0.1)
Total Organic Carbon (TOC)	APHA 5310 B	1
Total metals (Al, Mn, Fe)	USEPA 6010 ICP/AES	Al: 0.1 Fe: 0.05 Mn: 0.01

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Nutrient Water Suite: Total N and P (incl. Nox & TKN), NO ₂ , NO ₃ , Total Ammonia as N) 2 3	APHA 4500 NH ₄ ⁺ - H APHA 4500 N ₂ /NO ₃ APHA 4500 P – H	TN:0.1, Others:0.01
Ammonium – calculation from Ammonia, requires field pH & temperature	APHA 4500 N ₂ /NO ₃ o rg 3	0.01
Dissolved Organic Nitrogen as N (TKN - NH ₃) - calculation	APHA 21st ed.,. 4500 Norg/NH ₃	0.1
Dissolved Organic Carbon (DOC)	APHA 5310 B	1

Limit of Reporting : the practical limit of residue quantitation at or above the Limit of Quantification.