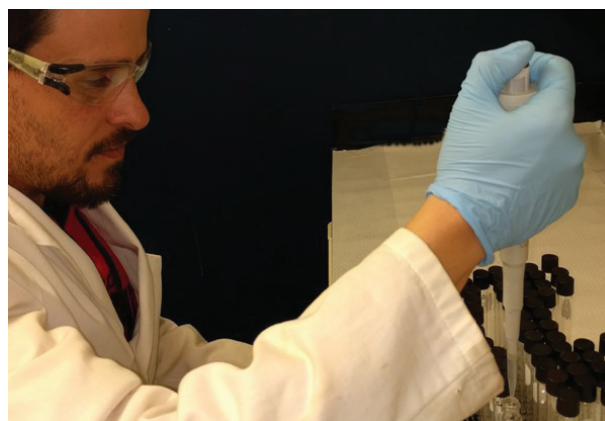


At GLEC we have the experienced staff, equipment, and resources necessary to conduct environmental chemistry evaluations, either in support of other programs or as stand-alone projects. GLEC has completed hundreds of integrated surveys of large and small water bodies involving the collection and chemical analysis of water, effluent, sediment, and biological tissue samples for inorganic constituents. GLEC's stringent Quality Assurance/Quality Control (QA/QC) procedures comply with the National Environmental Laboratory Accreditation Program (NELAP). All laboratory practices follow written Standard Operating Procedures. A list of commonly requested parameters and their associated reporting limits are listed below; other parameters are available.

Inorganic/Nutrient Chemistry Analysis

Parameter		Reporting Limit
Alkalinity		20 mg/L
Chloride (Cl)		1 mg/L
Chlorophylla		0.0002 mg/L
Color		2 CU
Conductivity		1 uhos/cm
Grain Size Analysis		NA
Hardness		5 mg/L
Nitrogen:	Ammonia (NH ₃ -N)	0.02 mg/L
	Kjeldahl, Total (TKN)	0.3 mg/L
	Nitrate/Nitrite (NO ₃ /NO ₂ -N)	0.005 mg/L
	Nitrate (NO ₃ -N)	0.005 mg/L
	Nitrite (NO ₂ -N)	0.005 mg/L
	Total Nitrogen	0.05 mg/L
Periphyton (Ashfree Dry Weight)		0.0005 g
Phosphorus:	Total (TP)	0.003 mg/L
	Low Level TP	0.001 mg/L
	Soluble Reactive (SRP)	0.001 mg/L
	Dissolved Organic (DOP)	0.003 mg/L
Solids:	Total Suspended (TSS)	0.5 mg/L
	Total Dissolved (TDS)	5 mg/L
Suspended Sediment Concentration (SSC)		1 mg/L



Capabilities

- Low-Level Nutrient Chemistry
- Low-Level Chlorophyll Analysis
- Sediment Studies
- Site-Specific Criteria Development
- Electronic Data Deliverables
- Level I through IV data packages



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