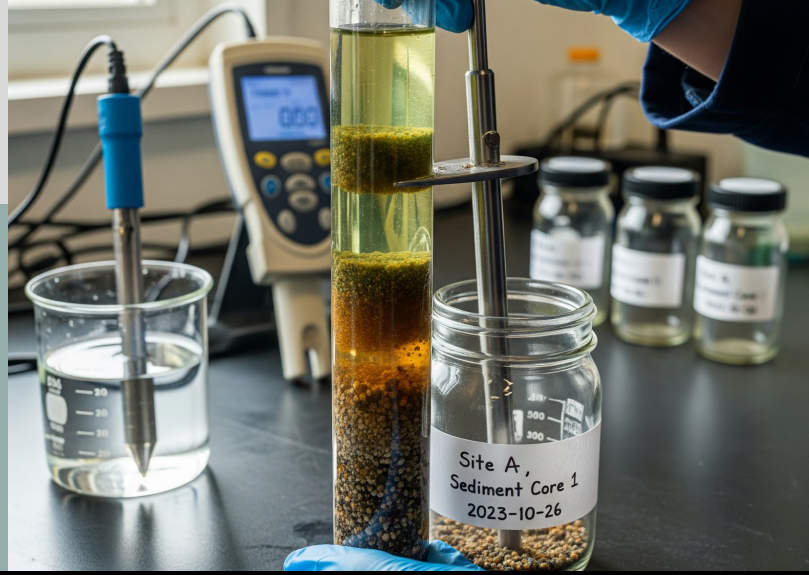


Environmental Laboratory Services



Monitoring water and sediment parameters is vital for understanding pollution levels, ecosystem balance, and compliance with regulatory standards

What we offer

- **Comprehensive testing of physical, chemical, & biological parameters**
- **Assessment of nutrients, heavy metals, and hydrocarbons**
- **Detection of organic and inorganic pollutants in water, & sediment**

Water Quality Parameters

Nutrients

- Nitrate-Nitrogen ($\text{NO}_3\text{-N}$)
- Nitrite-Nitrogen ($\text{NO}_2\text{-N}$)
- Ammonia-Nitrogen ($\text{NH}_3\text{-N}$)
- Phosphate-Phosphorus ($\text{PO}_4\text{-P}$)
- Silicate-Silicon ($\text{SiO}_3\text{-Si}$)

Microbiological Parameters

- Total Coliforms
- Faecal Coliforms
- Escherichia coli (E. coli)
- Enterococci
- Legionella spp.

Sediment Quality Parameters

- pH
- Electrical Conductivity (EC)
- Organic Matter Content
- Soil Texture
- Nutrient Levels
- Heavy Metals
- Microbial Contaminants
- Organic Pollutants
- Hydrocarbons

Physical & Chemical Parameters

- Temperature
- pH
- Salinity
- Dissolved Oxygen (DO)
- Turbidity
- Electrical Conductivity (EC)
- Total Suspended Solids (TSS)
- Total Dissolved Solids (TDS)
- Chlorophyll-a

Heavy Metals

- Lead (Pb)
- Mercury (Hg)
- Cadmium (Cd)
- Chromium (Cr)
- Arsenic (As)
- Copper (Cu)
- Zinc (Zn)
- Nickel (Ni)
- Manganese

