

WATER QUALITY ANALYSIS

ANALYSIS OF GROUND AND SURFACE WATER, REGULATED AND UNREGULATED DRINKING WATER

Water quality testing is vital to ensure public safety. Contaminants such as *Escherichia coli*, total coliform and pesticides can cause adverse health effects and potentially even death. Contaminants such as lead can cause delays in physical and mental development and kidney disease.

At SGS, we conduct rigorous water quality analysis for a broad set of parameters ensuring accurate and legally defensible results.

Each of our services meets appropriate operational and regulatory constraints. Waterworks owners and operators and those with wastewater and industrial effluents can be assured that testing is done in compliance with the Municipal Industrial Strategy for Abatement (MISA).

Services offered by SGS Environmental Services include:

- Raw water characterization
- Ground and surface water analysis, including hot-spot microbiological testing for comprehensive lake studies
- Wastewater and effluent characterization
- Comprehensive testing for unregulated private wells
- Regulatory lead testing (includes Ontario Regulation 243/07)
- Comprehensive analysis under the Canadian Drinking Water Quality Guidelines (CDWQG) and the Ontario Safe Drinking Water Act, 2002 (OSDWA)



Water quality testing parameters include, but are not limited to:

- Total coliform
- *Escherichia coli*
- *Clostridium perfringens*
- Fecal streptococcus
- *Pseudomonas aeruginosa*
- Physical and chemical parameters
- Metals
- Nutrients
- Bromate, chlorite, chlorate, bromide
- Organic analysis
- Haloacetic acids (HAA₅)
- Pesticides, herbicides & PCB
- NDMA
- Volatiles, trihalomethanes (THM)
- THM potential
- Geosmin & Methyl-Isoborneol (MIB) [taste & odour]
- Methane
- Microcystins

EASY-TO-READ AND UNDERSTAND REPORTING

- From sample process design to the electronic formatting of reports, we assist you with your regulatory compliance so you have the freedom to focus on your core business.
- Direct data input from the instruments to our Laboratory Information Management System provides a secure data trail, while our unique customer interface "iOnView" gives you immediate online access to approved data.

CUSTOMER SERVICE

- 24 hour access to SGS' technical specialists is provided when you conduct your water quality analysis with us.

CONTACT INFORMATION

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SGS

WHEN YOU NEED TO BE SURE