

GROUNDWATER ANALYSIS

GROUNDWATER

Much of the Earth's fresh water is groundwater. Groundwater is the water that exists below the surface of the ground in the spaces between particles of rock or soil, or in the crevices and cracks in rocks. Most groundwater is within 100 meters of the surface of the Earth.

Groundwater can contain many constituents including microorganisms, gases, inorganic and organic materials. Industrial and agricultural activities are major sources of contamination. These activities can lead to contamination of well water, municipal drinking water sources and the environment.

GROUNDWATER ANALYSIS

At SGS, we conduct thorough analysis of groundwater for a variety of applications. Drinking water testing is a service we offer to:

- Private well owners
- Municipalities
- Schools
- Daycares
- Private water source owners



SGS is aware how vital water monitoring is to your groundwater. The groundwater analysis can determine if there has been evidence of negative environmental effects.

Our expertise in testing groundwater and other related water samples has made us a leader in the industry. We understand the level of responsibility you have to your stakeholders. Groundwater contamination concerns can derive from industrial firms assessing the acidity of runoff or landfill or industrial waste sites concerns with waste seepage. Whatever concern you have, you can trust SGS to conduct the appropriate test.



We can conduct a variety of tests including:

- Ultra-trace metal analysis
- Metal speciation
- Cyanide speciation
- Major anion determination
- Microbial analysis
- Pesticide and herbicide testing
- Full range gas chromatography analysis of organics (hydrocarbons, PAH, pesticides, volatiles, PCB etc)
- Drinking water analysis
- Metal leaching test procedures (EPA TCLP 1311, SPLP 1312)



SGS has extensive experience in testing to meet regulatory guidelines and best practice including:

- Ontario Regulation 153/04
- Ontario Provincial Water Quality Objectives (OPWQO)
- Ontario Safe Drinking Water Act, 2002 (OSDWA)
- Canadian Council of Ministers of the Environment (CCME) Guidelines, United States Environmental Protection Agency (US EPA)

Many SGS labs have been successfully audited against the ISO/IEC 17025 standard for specific registered tests. SGS delivers services that provide you with confidence, quality results, and fast turnaround to meet your business needs. Choose SGS for passionate, driven experts who take pride in knowing their job makes a difference to you and your stakeholders.

CONTACT INFORMATION

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WHEN YOU NEED TO BE SURE

SGS