



Environmental Analytical Laboratories Analytical Services for Site Remediation

The SRC Environmental Analytical Laboratories perform sediment, soil and ground water analysis to determine if a site is 'clean'. A site is considered clean when it meets the CCME Interim Canadian Environmental Quality Criteria for Contaminated Sites (CEQCCS).

The first step in a site assessment process involves gathering information to identify sources of contamination and does not normally involve sample collection or analysis. This is referred to as a Phase I Environmental Site Assessment (ESA).

If the results of the Phase I ESA determine that there is a need for sampling and analysis, a Phase 2 ESA is carried out to determine the extent of contamination of the site. This involves sampling and analysis of samples from and around the site. Depending on the history of the site and the potential for contamination, analysis of soil, sediment and ground water may include the following:

Petroleum Hydrocarbons

- Petroleum hydrocarbons (PHC) contamination varies with the petroleum source. PHCs are toxic and can cause offensive odour, taste or appearance. They can also degrade soil quality by interfering with water retention and with nutrient supplies.

Heavy Metals

- Metal contaminants are present at many sites. Industries that are potential sources of contamination are plating, battery manufacturing, wood preserving, chemical manufacturing and smelting. The most common sources of metal contamination in groundwater are metals that are leachable from landfills, mine tailings piles, sewage sludge and spills.

TCLP Leachate Procedure

- Toxicity characteristic leaching procedure (TCLP) is an extraction method for chemical analysis used as an analytical method to simulate leaching through a landfill. TCLP data may be used to determine whether a waste may be accepted into a facility.

Contact our lab for sample requirements and pricing.



CALA
Testing
Accreditation No. A 2472

CONTACT

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