



On-Site Testing Services

SERVICES AVAILABLE

- XRF ANALYSIS

Determines concentrations of up to 24 different metals in soil in under 3 minutes, at levels well below most regulated action limits

- UVF SAMPLING

Screens for Total Petroleum Hydrocarbon concentration, including total BTEX, PCB, and PAH

- WATERLOO PROFILER

Discrete groundwater samples by depth. With direct push probes, detailed information is gathered, including soil stratigraphy, groundwater/free product plumes, and soil gas levels

WHAT HAPPENS AFTER SAMPLING?

Data is sent from the testing unit to AEL's analysis software, where our data and GIS specialists can create customized maps and data visualization tools to give easily interpreted information.

AEL environment is a professional environmental engineering consulting firm.

On-site laboratory testing is a practical and proven approach to directing site work and screening sample results during field activities. Using Triad strategies recommended by the US EPA, technologists process a high volume of soil samples, screening based on individual site characteristics, and provide quality screening data within minutes.

On-Site Testing of soil or groundwater allows the environmental consulting team to create a dynamic work plan, real-time measurement of site conditions, and gives greater confidence in directing sampling locations and remedial excavation. The end result? Reduced cost for the site owner, and a more efficient approach to environmental assessment.

Detection Limits: On-Site Testing can accurately detect many contaminants at concentrations below the O. Reg. 153 allowable limits, often similar to DLs of CALA-certified laboratories

Capacity: AEL field scientists can analyze more than 50 samples per day and come prepared with a mobile, self-contained laboratory

Cost: Per-sample costs vary on sample volume and contaminant, but are often less than 30% of the cost of traditional laboratory analysis, and can be completed concurrently with other site work

Service Area: AEL is based in Mississauga, ON, and serves clients throughout Canada, including the remote North.