SASKATCHEWAN RESEARCH COUNCIL

Environmental Analytical Laboratories Services for Environmental Protection

SRC Environmental Analytical Laboratories serve a large number of clients in industry, mining, consulting and government. Analysis of environmental samples is provided for special assessments as well as for routine monitoring programs. The Laboratory handles everything from water to soil, sediment, biological tissue, vegetation, air filters and other media. Major sectors that are served are:

Environmental Monitoring
- Mining regulatory analysis
- Baseline studies for environmental impact assessments
- Industrial effluents
- Sewage lagoons
- Hazardous waste classification

Contaminated Site Remediation
- Petroleum contaminated sites
- PCBs, transformer oil storage sites
- Pesticide/herbicide storage locations (warehouses, landfills)
- Heavy metals
- Organic halogens

NORMs (Naturally Occurring Radioactive Materials)
- Petroleum pipeline residues
- Petroleum waste materials

Air Quality
- Industrial air monitoring (workplace contaminants)
- Residential air quality analysis
- Lead in paint and dust
- High volume air filters for metals and radionuclides
- Organic vapours-paint solvents, gasoline fumes
- Radon

Testing capabilities include:

Elemental Analysis
- Atomic fluorescence
- ICP emission spectroscopy (inductively coupled plasma)
- ICP mass spectroscopy
- Neutron activation analysis

Radiochemical Analysis and Measurements
- Most naturally occurring radionuclides including uranium and thorium series
- Most man-made radionuclides including Co-60, Cs-137, I-131, Sr-90
- Uranium/progenies equilibrium studies
- Leaching studies in mine tailings
- Radon emanation measurements
- Radon in air and water
- Gamma and alpha spectroscopy

Organics
- Gas chromatography and mass spectrometry
- Herbicides and pesticides
- PCBs
- Petroleum hydrocarbons
- Volatile organics including trihalomethanes in drinking water

- Environmental monitoring
- Contaminated site analysis
- NORM
- Air quality

- Inorganics
- Radiochemical
- Organics

ilac-MRA CALA Testing Accreditation No. A 2472

CONTACT

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