



Columbia Basin Analytical Laboratories

Experience and Expertise

Columbia Basin Analytical Laboratories is a full-service analytical laboratory specializing in environmental and industrial hygiene analyses.

Our subject matter experts have over 95 years of experience with diverse scientific backgrounds that include geology, environmental engineering, microscopy, and water chemistry, as well as development of scientific instrumentation. In addition to routine analyses, this substantial knowledge-base enables us to offer consulting services to design and carry out studies tailored to our clients' needs.

Research and Development

- Waste Form Development and Testing
- Treatment Technologies
- Engineered Barriers
- Flow and Transport
- Feasibility/Treatability Studies
- Solid Phase Characterization
- Corrosion Studies

Analytical and Laboratory Services

Industrial Hygiene

- Asbestos/Beryllium/Metals
- Particulates/Vapors

Organic Chemistry

- PCBs
- Pesticides
- Other organics (please call)

Inorganic Chemistry

- Drinking water, wastewater, soil analysis
- Toxic Characteristic Leaching Procedure (TCLP)

Microscopy

- SEM
- TEM
- PLM/PCM

Mobile Laboratory Services

- PTR-MS
- GC-MS
- Methane/CO₂ Analysis
- VOC Mapping
- Vapor Intrusion

Geotechnical Analyses

- Particle Size
- Gravimetric
- Compaction Testing
- Viscosity

Environmental and Industrial Hygiene Accreditations

Columbia Basin Analytical Laboratories holds American Industrial Hygiene Association accreditation under the Industrial Hygiene Laboratory Accreditation Program (AIHA-LAP) Lab ID 178656 for analyses in these areas:

- Asbestos (phase contrast, polarized light, and transmission electron microscopy)
- Beryllium
- Metals
- Formaldehyde
- Organic compounds and solvents

We also hold accreditation from the Environmental Laboratory Accreditation Program (ORELAP 4061) for analyses in these areas:

- Air and emissions
- Solid and hazardous waste
- Non-potable water
- Potable water

Additional Accreditations

Our range of accreditations also includes:

- WDOE
- DOECAP
- NVLAP (Monroeville facility)

We are NQA-1 compliant and hold a Washington Department of Health radioactive license research and development using radioactive material.

Columbia Basin College Partnership

Columbia Basin Analytical Laboratories has a public/private partnership with Columbia Basin College and is located on the school's campus. Some members of the lab's management staff carry faculty appointments through the college. This partnership allows students to become involved in a commercial laboratory and gain valuable, real-world laboratory experience to help prepare them for future endeavors.

