



Capabilities

Local Expertise & USA Services



The ALS facility in Fort Collins is a **premier radiochemistry and environmental** laboratory that serves the Department of Energy (DOE), Department of Defense (DOD), as well as many environmental engineering and consulting firms and private industry. ALS delivers **world-class service** and **reliable analytical testing** to help clients make informed decisions.

The laboratory is capable of a full range of organic, inorganic, and radiochemical analyses. We use SW-846 and EPA methodologies on a wide range of sample matrices including groundwater, surface water, wastewater, soil, sludge, multiphasic samples, air, biota, vegetation, building debris, mixed waste, and hazardous waste.

Further, we provide a full range of Alpha Spec, Gamma Spec, Liquid Scintillation, Gas Flow Proportional, and Alpha Scintillation methods. Our facility holds a current Radioactive Materials Handling License from the state of Colorado, is NELAC accredited through Utah, along with 18 other state accreditations, and is USDA licensed to accept samples outside the United States (OCONUS).

Our Expertise Includes:

Radiochemical

- Gamma Spectroscopy
- Liquid Scintillation
- Gas Flow Proportional Counting
- Alpha Scintillation Methods
- Gross Alpha Beta
- Alpha Isotopics including:
Am, Np, Pu, Po, Th, U, Cm
- Iron-55
- Nickel-63
- Radium-226 and Radium-228
- Carbon-14
- Tritium
- Plutonium-241
- Radon-222 in water and air
- Lead-210
- Iodine-129
- Strontium-89/90
- Technetium-99

Environmental

- GC/MS Volatiles, Semivolatiles
- SIM PAH
- Pesticides, Herbicides, PCBs
- TPH, DRO/GRO
- CAL LUFT, CAL WET
- Methane, Ethane, Ethene (MEE),
Methanol, Propane
- Metals 6010, 6020, Mercury
- Wet Chemistry, including IC &
Nutrients
- RCRA Characterization
- TCLP/SPLP
- IS DOD QSM and DOE QSAS
- NELAC
- APHIS
- Custom EDDs

 See reverse for
USA capabilities

ALS delivers the best, and we are proud of our stellar track record. We will not settle for the status quo when performance excellence is our goal. ALS recognizes you have a choice, and we are committed to your success.

Call us to arrange a laboratory tour or speak with one of our Project Managers to see how we can assist you on your testing requirements.

 225 Commerce Drive
Fort Collins, CO 80524
+1 970 490 1511



Capabilities

USA Services

Organic

- GC/MS VOAs, Semi-VOAs, PAHs
- GC Volatiles-BTEX
- GC Semi-VOAs-Pesticides and Herbicides
- GC Semi-VOAs-PCBs
- TPH, GRO/DRO/ORO
- Ethene, Ethane, Methane
- Explosives
- Formaldehyde
- TCLP/SPLP Organics
- Air Testing (Ambient)
- PCB Congeners
- White Phosphorus (7580)
- DMA
- Vapor Intrusion
- Chemical Agent Breakdown Products by LC/MS
- SIM
- Incremental Sampling
- Nitroglycerine, PETN,
- Nitroguanidine,
- Nitrocellulose
- LC/MS and LC/MS/MS
- Oxyanions and Perchlorate
- CAL LUFT, CAL WET
- Dioxins / Furans

Inorganic

- ICP/MS Metals
- Mercury by CV
- Low-level Mercury
- TCLP/SPLP Metals
- General Wet Chemistry

Asbestos/Microscopy

- TEM, PLM, PCM
- Soil (OH VAP Certified)
- Vermiculite
- Nanoparticles
- Particle Size Analysis
- PLM & TEM Micrographs
- Other Fiber Identification
- Low Level Radioactively contaminated Asbestos analysis

Dietary Supplements

- Vitamin Analysis
- Pesticides Screens
- Minerals Analysis
- Heavy Metals

Industrial Hygiene/ Air

- TO-14, 15, 17
- Formaldehyde/Aldehydes
- LEEDs Testing
- Diacetyl/Acetoin
- Amines
- Source & Stack Testing
- Beryllium
- PM-10/PM-2.5
- Air Toxics Methods
- Organics
- Metals
- Wet Chemistry
- Fixed/Permanent Gases
- Loaner Pumps and Media
- Diesel Particulates
- Pesticides and Herbicides
- Silica
- Methamphetamine
- GC/MS Screens
- Aldehydes and Amines
- Antineoplastic / Chemo Drugs

Microbiology/ Mycology

- ICP/MS Metals
- Mercury by CV
- Low-level Mercury
- TCLP/SPLP Metals
- General Wet Chemistry

Radiochemical

- Alpha Isotopics
- Gamma Scans
- Iron-55
- Nickel-63
- Radium226 and Radium228
- Liquid Scintillation
- Carbon-14
- Tritium
- Plutonium-241
- Radon-222
- Lead-210
- Gas Flow Proportional Counting
- Gross Alpha Beta
- Iodine-129
- Strontium-89/90
- Technetium-99
- Alpha Scintillation Methods