

Environmental Services

Organic Chemistry

We provide high quality trace organic data to meet state and federal guidelines. Through advances in methodology and with a team of experienced scientists we are able to meet the low-level detections of thousands of compounds.

Some of these compounds include:

- Volatile Organic Compounds (VOCs)
- Polycyclic Aromatic Hydrocarbons (PAHs)
- Polychlorinated Biphenyls (PCBs)
- Naphthenic Acids
- Chlorophenolic Compounds
- Trihalomethanes (THMs)
- Oil and Grease
- Dissolved Gases

Inorganic Chemistry

We are accredited for a vast array of inorganic parameters for the analysis of soils, sludges, drinking water, groundwater, mine tailings/effluent testing and landfill analysis.

Some of our Inorganic capabilities include:

- Total and Dissolved Metals in Drinking Water, Waste Water, Soil, and Leachates
- Speciated Metals (Se, As, and Cr)
- Mercury (low-level)
- Anions (Cl, Br, F, NO₃, NO₂, SO₄)
- Cations (Na, K, Ca, Mg)
- Nutrients
- Particle Size and Texture
- TCLP and SPLP Leachates
- Total Organic and Inorganic Carbon (TOC/TIC)

Microbiology

AGAT Laboratories has fully accredited microbiology laboratories to detect dangerous bacteria under strict quality assurance conditions.

- E. coli
- Total Coliforms
- Fecal Coliforms

Air Quality Monitoring

Our Air Quality Monitoring services assist clients in achieving regulatory compliance, evaluating the effectiveness of their air quality management systems, and to give accurate assessment for environmental impact studies.

Some services that we provide include:

- Ambient Air Monitoring
- Source Emission Testing
- Passive Air Monitoring
- Data Acquisition
- Summa Canister Analysis
- Thermal Desorption Tube Analysis

Ultra-trace Organics

Our laboratories offer Ultra-trace analysis of persistent organic pollutants (POPs) such as Dioxins and Furans, PCBs and PAHs via High-resolution GCMS. AGAT has invested in increasing both its extraction productivity by recently doubling its extraction labware, as well as recently investing in the latest analytical systems, APGC Triple Quadropole Mass Spectrometers.

AGAT Laboratories has the capability to provide extraction and analysis for these compounds in varying matrices including:

Solids	<ul style="list-style-type: none">• Soil• Sediment
Semi-solids	<ul style="list-style-type: none">• Biological• Fish Tissue• Adipose Tissue
Air	<ul style="list-style-type: none">• Polyurethane Foams (PUFs)
Aqueous	<ul style="list-style-type: none">• Surface/Ground Water• Drinking Water• Effluents

AGAT Laboratories' Environmental Division provides comprehensive services to the environmental industry, environmental consultants and the government.

Applications

- Contaminated site testing
- Drilling waste services
- Detailed soil and water analysis (including drinking water)
- Compound identification
- Research and development
- Method development

Our environmental laboratories utilize EPA, ASTM, Standard Methods, NIOSH and other industry test procedures and methods in accordance with both federal and state legislation.

Accreditation

AGAT Laboratories is accredited to some of the following agencies for specific analysis:

- American Association for Laboratory Accreditation (A2LA)
- ANSI National Accreditation Board (ANAB)
- Arizona Department of Health Services (ADHS)
- New York State Department of Health (NYS DOH)

AGAT Laboratories is accredited, for specific tests, to the following standards:

- ISO/IEC 17025
- The NELAC Institute (TNI) - National Environmental Laboratory Accreditation Program (NELAP) Standard for Laboratories Volume 1

AGAT Laboratories is certified to the following standard:

- ISO 9001:2015