



The University of Georgia

Laboratory for Environmental Analysis

ABOUT

The University of Georgia Laboratory for Environmental Analysis provides high quality analyses of organic or inorganic environmental samples and contaminants to university and industry researchers. We use accepted quality assurance and quality control parameters to comply with regulatory standards. We can develop custom approaches to analytical problems specific to your research project.

INSTRUMENTS

- Gas chromatographs for volatile organics
- HPLC units for non-volatile organics
- Elan 9000 inductively coupled plasma mass spectrometer (ICP/MS)
- DX500 ion chromatograph
- Total carbon analyzer with auto sampler
- Dionex accelerated solvent extractor ASE 100
- Ultrasonic bath TurboVap LV concentration workstation
- Microwave digestion units
- System for catalytic degradation of organic chemicals

ANALYSES

Carbon, Nitrogen and Sulfur

- Dissolved carbon
- Nitrogen species
- Sulfur compounds

Ion

- Chromatography
- Specification
- Other analyses

Organics

- Pesticides
- Volatile organics
- Petroleum products
- BTEX compounds
- Sex hormones
- Sterols

Metals

- Quantitative
- TotalQuant
- Isotope Ratio
- Element Specification
- AA Spectroscopy
- Mercury

Soil Characterization

Sample Preparation

Other

- pH, EC and Eh
- Particle Size
- Cation Exchange Capacity
- Surface Area
- Mineralogy

CONTACT

Laboratory for Environmental Analysis

706-227-7993
160 Phoenix Rd, Rm 134
University of Georgia
Athens, GA 30605

LEA.UGA.EDU

Director

Sayed M. Hassan, PhD • shassan@uga.edu

Lab Coordinator

W.P. Miller, PhD • wmillier@uga.edu

Lab Assistant

Nancy Berryman • njb1981@uga.edu