Mission Statement: To provide high quality analytical services to support research done by FAU faculty and their collaborators. The lab also places a strong emphasis on providing education and research opportunities for both undergraduate and graduate students.

Analytical Capabilities:

- Water analysis
  - nutrients
  - major ions
  - metals
  - water isotopes
- Soil analysis
  - particle size
  - pH
  - electrical conductivity
  - organic matter

In addition to water and soil analysis we have the capability of analyzing some industrial wastes and digests of rocks, biologic and engineered materials.

Education:

- We welcome inquiries about using the lab for educational purposes, including
  - directed independent studies
  - class projects
  - class tours
  - graduate research

Major Instrumentation:

- Inductively Coupled Plasma Optical Emission Spectrometer
  
  *Elemental analysis of a variety of liquid matrices at the part per billion level*

- Discrete Analyzer
  
  *Automated colorimetric analysis for a variety of environmental parameters including nitrate, nitrite, ammonia, orthophosphate, total phosphorous, and sulfate*

- Water Isotope Analyzer
  
  *Analysis of stable isotopes of water in liquid water or water vapor*