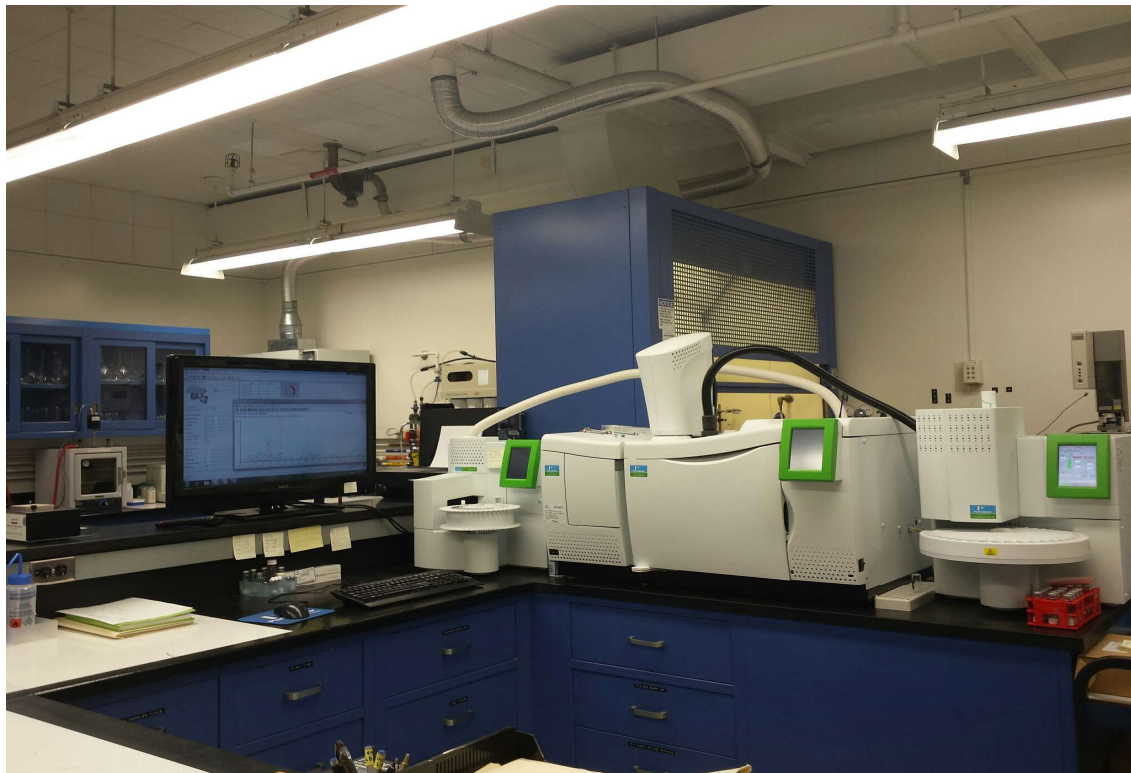




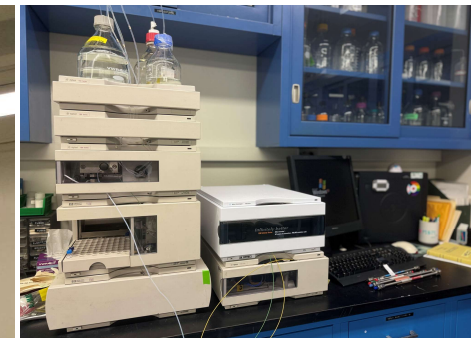
Thermo Scientific-Dionex
 Ion Chromatographs (Conductivity)
 i.e. Cation and Anion analysis



PerkinElmer Clarus SQ8 GC-MS

Sampling module includes Thermal Desorption, Headspace, Sample autosampler and Gas injection valve

The Analytical Laboratory in the Life Sciences Building (N239) is a full-service chemistry lab supporting a wide variety of research analysis needs. Analysis can be performed utilizing HPLC, Ion Chromatography, Gas Chromatography, GC-Mass Spectrometer, Total Organic Carbon analysis, Elemental Analysis and other wet chemistry methods. New or customized methods can be developed specific to your analytical chemical needs.



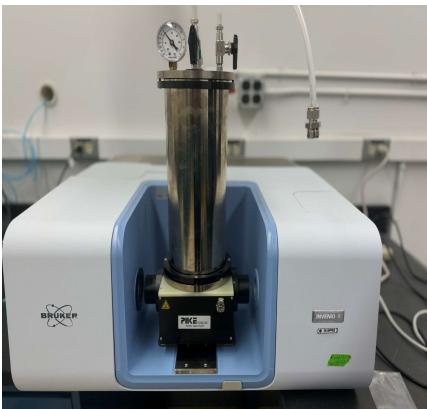
Agilent® HPLC
 Detectors: UV-Vis and Refractive Index



Shimadzu TOC-VWS
 Total Organic Carbon Analyzer
 (UV - Persulfate)



Detector (Hall) **HP 5890 Gas Chromatograph**
 Detectors: Flame Ionization Detector, Photo-ionization,
 Pulse Discharged Helium Ion Detector (PDHID) and
 Electrolytic Conductivity



Bruker Inventio R
 FT-IR range: Vis-MIR, ATR and
 Air sampling module



Milli-Q purified water system
 Good quality low TOC purified water

Instrumentation available but not shown:

HACH DR3900: water analysis capability

Thermo Fisher Orion Star pH meter: TDS, conductivity and pH measurement

Thermo Quest NA1100 Elemental Analyzer: Carbon, Hydrogen, Nitrogen, Oxygen and Sulfur composition study

Thermo Fisher Ultimate 3000 UPLC: UV/Vis, Fluorescent, and RI detector



Shimadzu TOC-VCPH
 Total Organic Carbon Analysis (Combustion)
 Low concentration method