What’s in Your Water?

Need water analysis? We’ll test it for you!

Students, want to learn how to run your samples on analytical equipment? We’ll show you how!

Our newly expanded mission emphasizes helping students, faculty, staff and outside agencies with advancing their research capabilities. We offer...

- Lab space to prepare and store your water samples;
- Competitive rates and timely analysis results;
- Skilled and experienced analytical technicians to assist you in chemical analyses, classroom instruction, and methods training; and
- Opportunities for students to receive training and perform their own analyses at reduced rates.

To ensure the highest quality for your data, our facility utilizes Standard Methods for the Examination of Water and Wastewater as a basis for analytical techniques. Precision and accuracy are tested by participation in biannual round-robin comparisons with national labs. Quality assurance data are provided to our lab users, along with detailed results for your water samples.

The Water Quality Laboratory is affiliated with the Pennsylvania Water Resources Research Center and is administered by PSIEE. It is equipped with a full range of analytical instruments for specific water analyses.

Instruments & Techniques

- PerkinElmer AAAnalyst 800 Atomic Absorption Spectroscopy
- Mettler Toledo DL15 Potentiometric Titrator for Endpoint Titrations
- Radiometer TIM865 TitraLab: acid neutralizing capacity
- Dionex ICS-3000: Ion Chromatography for fluoride, chloride, nitrate, sulfate, bromide
- Shimadzu TOC-VCPH: carbon/total nitrogen analyzer
- YSI 3200 conductivity meter
- Beckman 360 pH meter
- Milestone’s DMA-80 Direct Mercury Analyzer
- SEAL AQ2 Automated Advanced Discrete Analyzer: ammonia, silica, phosphorus
- Solids Analysis: Total, Settleable, Total Dissolved, Total Suspended
- 2100N Hach Turbidimeter
- Picarro L2130-i Analyzer: Oxygen 16/18, Deuterium/Hydrogen

Applications

- Analysis of precipitation, surface and ground water
- Leaching and solubility studies
- Storm water and agricultural runoff

Contact us for more information including pricing and procedures for sample drop off.

Karol Confer (kec1@psu.edu)

Penn State Institutes of Energy and the Environment, 138 Land & Water Building
Pennsylvania State University, University Park, PA 16802

Hours: Monday-Friday: 8:00 a.m. - 5:00 p.m. | Telephone: (814) 863-0158

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