

### What is analytical chemistry?

Using chemistry to determine what something is.

### How does this support research?

You often can't know **why** until you know **what**.

### Is this like forensics?

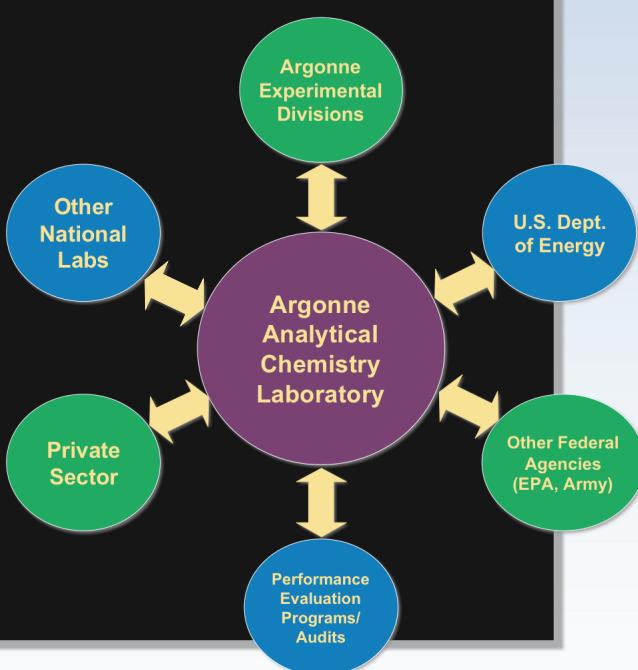
Some aspects of forensics are a specialized subset of analytical chemistry, such as blood and DNA analysis and materials identification.

### What does the Analytical Chemistry Laboratory do?

Support for research programs at Argonne.

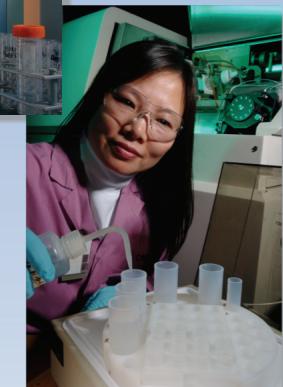
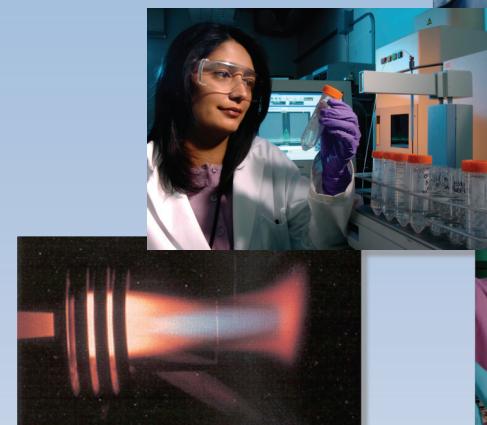
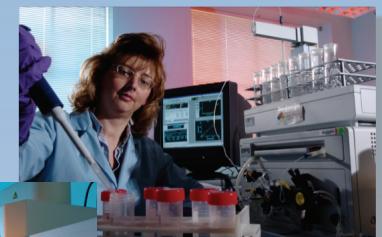
Specialized analytical chemistry work not available commercially for Argonne and outside clients.

Especially, analysis requiring expert sample preparation and analysis of radioactive samples.



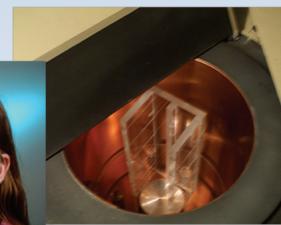
### Inorganic Analysis

Determines chemical composition and properties of solids, liquids and gases.



### Radiochemical Analysis

Measures the radioactive components of a sample.



### Microstructural Characterization

Uses microscopy and x-ray analysis to probe the structure of a sample.



### Organic Analysis

Identifies and measures the carbon-based components of a sample, for example, in oils.

