

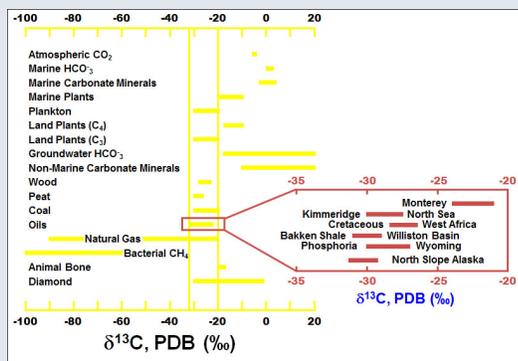


# ENVIRONMENTAL FORENSICS SERVICES

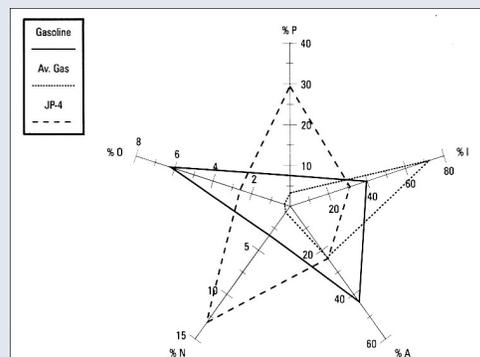


**Environmental Forensics** can be defined as a scientific methodology for identifying hazardous contaminants in the environment and determining their sources and times of release. The practice combines experimental analytical procedures with scientific principles derived from the disciplines of organic geochemistry and hydrogeology. When applied to the investigation of petroleum products, chlorinated solvents and other environmental contaminants, environmental forensics investigations can provide valuable tools for obtaining scientifically supported, court admissible evidence in environmental legal disputes.

**Forensics Questions** – When a dispute occurs involving environmental contamination, the stakeholders—which can include property owners, potentially responsible parties, lenders, insurance agencies, environmental consultants, attorneys and regulatory agencies—are all seeking answers to these common questions:



- Who is responsible for the release?
- What are the contaminants?
- What is the source?
- When did the release happen?
- What is a reasonable cost allocation for cleanup?



The environmental forensics approach offered by the Pace Analytical Forensics Laboratory (formerly Zymax Forensics) has successfully provided scientific evidence in U.S. courts answering these questions and making it clear to all parties—who is responsible and for what. The Pace Forensic Service offering extends beyond purely analytical to include: data interpretation and consulting, litigation support and expert witness testimony.

**Compound Specific Isotope Analysis (CSIA)** is one of the newest and most sophisticated tools in the forensics arsenal capable of determining the stable isotope signature of similar contaminants in the environment and utilizing this data to determine the following: if comingled contaminants are from the same or different sources; if a contaminant is a degradation product from the primary contaminant or from a different source entirely; or if weathered products have significantly changed but retained a stable isotope signature.

**Pace Analytical Energy Services** – In 2013, Pace Analytical Energy Services was created through the acquisition of Microseeps and Zymax Forensics. Now consolidated in Pittsburgh with our new Microbial Solutions Lab, Pace is building the strongest forensics and environmental molecular diagnostics laboratory in the United States.

**To learn about Pace Forensics and how they might benefit you or your client, please contact your local Pace Account Executive.**



**Corporate Headquarters**  
 1800 Elm Street SE  
 Minneapolis, MN 55414  
 P: 612.607.6400  
[www.pacelabs.com](http://www.pacelabs.com)

**Pace Analytical Energy Services**  
 220 William Pitt Way  
 Pittsburgh, PA 15238  
 Phone: 412.826.5245  
 Toll Free: 800.659.2887  
 Fax: 412.826.3433