



BIOTA ANALYSIS

Ecological and Human Health Risk Assessment

PACE® ANALYTICAL IS YOUR COMPLETE SOURCE FOR BIOLOGICAL TESTING.

The bioaccumulation of toxic substances in animal and plant tissue has been of great concern for years. Determination of toxic residues in organisms populating a contaminated area is an important part of the ecological risk assessment process. Biological samples may be an indicator of contamination that is affecting the food chain – and possibly the human population. Pace® Analytical offers over twenty years of experience in the analysis of biological tissues—routinely analyzing fish, amphibians, birds, mammals, and plants for environmental contaminants. Pace® Analytical is currently under contract to provide these analyses to several state agencies, consultants, universities, and private organizations.

Preparation of a wide variety of biological samples in a precise, consistent manner to ensure reproducible, legally defensible data is a challenging part of the process. To meet this challenge, Pace® Analytical provides not only a dedicated, experienced biota laboratory staff, but also a fully equipped biota laboratory specifically designed to handle the demands of complex biota projects.

Because the analysis of tissues is significantly more challenging than the analysis of water or soil, Pace® Analytical has developed specific methodologies for biota analysis to establish the accurate identification and measurement of the analytes of concern. In unique circumstances when standardized methods don't exist, project specific method development and validation services are available.

Sample Matrices

- Biota examples: fish, amphibians, birds, small mammals, benthic organisms, plants

Certifications

- NELAC
- Multiple States

Testing Capabilities

- Pesticides (8081)
- PCB Aroclors and Congeners (8082, 1668)
- PAHs (8270 SIM)
- Metals (6020)
- Mercury (7471, 7473, 245.6, 1631E)
- Methyl Mercury (1630)
- Dioxin/Furan (1613, 8290)
- PFAS (Pace® SOP)

