



Trusted Technical Expertise.

The chemists of Columbia Analytical Services, Inc. nationwide network of laboratories offer routine environmental testing on soils, air and aqueous samples. In addition, we also offer the following specialty services:

- **Product testing and evaluation** requiring specialized method development for various industries including pulp and paper, semiconductor, recycled paperboard, air-purifier manufacturers, and museums.
- **Air analyses** including VOCs (EPA TO-14A and TO-15), PAHs, PCBs and pesticides, aldehydes, sulfur compounds, organic acids and amines, fixed gases. Available sampling media includes Summa canisters, Tedlar bags, Mini Cans, sorbent tubes, badges, PUF and PUF/XAD cartridges. Indoor air, ambient air, soil gas, source gas, landfill gas, personal monitoring.
- **Marine and Freshwater sample analyses** including the analysis of pore water, seawater, sediments and tissue for low level PAHs, SVOCs, pesticides, PCB aroclors, PCB congeners, organotins, metals, and dioxin and furans.
- **Full dioxin testing** capabilities and PCB Congeners by EPA Method 1668.
- **Passive diffusion bag samplers (PDBS)**, depending on project scope, that eliminate the need for purging when sampling groundwater wells for volatile organic compounds.
- **Industry specific testing and reports:**
 - Pulp & paper: NCASI methods, cluster rules, MACT testing, recycled paperboard testing, and product quality control.
 - Semiconductor: Waste stream identification, feed water contamination identification, chemical purity quality control and effluent monitoring.
 - Department of Defense: Columbia Analytical can provide services to all branches of the DOD, including specialized reporting formats and adherence to project-specific QAPPs of AFCEE, ACOE, and NFESC.
- **Specialty analyses:**
 - Explosives
 - Organotins
 - Glycol ethers
 - PCBs by HRGC/HRMS (EPA 1668)
 - Fatty acids and resins
 - Lignin oxidation products
 - Drinking Water synthetic, organic compounds
 - Alcohol and Alkylated amines
 - Odor emission identification
- **Expert Witness Testimony and Data Quality Management**