

ESIS

ESIS' accredited American Industrial Hygiene Laboratory provides accurate results of samples taken to evaluate indoor air, worker exposure, and plant and process emissions.

Collection of samples can be performed by our internal certified industrial hygienists or by your own trained staff.

We provide telephone assistance with proper collection procedures and the lab provides any required collection media.

Certifications

- **AIHA IH Accredited Laboratory** (Certification #100127)
- **AIHA ELLAP Accredited Laboratory** (Lead in soils, wipes, dust, and air – #100127)
- **State of CT Approved Environmental Lab** (PH-0510)
- **State of NY Approved Lab** (11837)

Expertise

- **Industrial Hygiene Analyses:** Provide media and analyze samples taken to evaluate employee exposures to dust and chemicals used in the workplace using OSHA, NIOSH, and in-house methods
- **Indoor Air Analyses:** Assist in developing sampling strategy for analyses of low levels of volatile organics, dust, fungi/spores, aldehydes, and other chemicals, depending on the individual situation
- **Environmental Analyses:** Evaluation of soils and paints for lead and other metals, TCLP analyses, process or batch monitoring, thermal degradation analyses, and bulk and solvent identification
- **Stack Analyses:** Samples analyzed to determine stack concentrations and/or to determine collector efficiency

Capabilities

- Organic solvent analyses by gas chromatography with flame ionization, nitrogen/phosphorous, and electron capture detectors
- Total, respirable, and inhalable dust analyses using micro balances in our environmentally controlled room
- Welding fume and metals analyses using inductively coupled plasma
- Organic analyses of PAHs, aldehydes, and pesticides using liquid chromatography with a UV diode array detector
- Analyses of anions and cations by ion chromatography with conductivity detection
- Asbestos bulk identification, fungal spore traps and quantitation of air fiber concentrations by polarized light, and phase contrast microscopy
- Part per trillion (ppt) level detection and identification of organic solvents using thermal desorption and SUMMA canister Gas Chromatography/Mass Spectroscopy analyses (EPA TO1/TO2/TO15/TO17)
- Oil quantitation using liquid extraction by the ASTM and NIOSH protocols