

OHL Instrumentation

The Occupational Health Laboratory has the following instrument resources as of June 24, 2025.

Instrumentation	Analyses
Inductively coupled plasma mass spectrometry	Metals analysis by mass spectrometry.
Gas chromatography	Organic analysis of volatile compounds using capillary columns with flame ionization, electron capture, and mass spectrometer detection.
Liquid chromatography	Organic analysis, including isocyanates and formaldehyde, using ultraviolet and fluorescence detection
Ion chromatography	Inorganic and organic cation and anion analysis using conductivity detection.
X-ray diffraction	Crystalline respirable silica (quartz and ristobalite) determinations, and unknown mixture analysis.
Ion chromatography with ultraviolet and visible detection	Hexavalent chromium analysis.
Optical microscopy	Phase contrast microscopy for airborne asbestos, polarized-light microscopy using central stop dispersion staining techniques for analysis of materials for asbestos and other fibers.
Gravimetric analysis	For air samples, including carbon black, coal tar pitch volatiles, nuisance dust, oil mist, and wood dusts.