



Industrial Hygiene Testing Lab Services

EMSL Analytical, Inc. provides Industrial Hygiene (IH) Laboratory Services for air, wipe, and bulk matrices on an extensive list of NIOSH, OSHA, ASTM, and EPA test methods, boasting six IH laboratory location within North America: EMSL's Corporate Laboratory in Cinnaminson, NJ; Indianapolis, IN; Minneapolis, MN; Charlotte, NC; Huntington Beach, CA (LA Testing); and our Canadian location in Toronto, ON.

Our team of qualified and experienced professionals include board-certified Industrial Hygienists (CIH), as well as highly trained project managers and analysts that welcome client interaction at project inception to ensure the laboratory data will meet all of the intended goals of the event, as well as communication during and after the event, as well as while samples are in-house. We believe clear and concise communication is imperative to each project's success.

EMSL maintains AIHA accreditation for tests performed by the IH laboratories, which includes on-site laboratory audits, formal document review program, staff experience and education criteria, and Proficiency Testing Program as part of the Accreditation process. Additionally, as required by various states, EMSL IH laboratories hold many applicable state certifications for fields of testing for air samples. Regarding media and pumps, EMSL offers a "free IH sampling pump program" for clients, provided the analysis is performed by one of our IH laboratories. We also offer an extensive list of products and media for sale, including: pumps, badges, field equipment/monitors, etc., all of which can be viewed via our website.

EMSL has state of the art equipment within each of our six IH laboratory locations, including: GC-ECD, GC-FID, GC/MS, LC/MS, IC, XRD, UV-VIS, ICP-AES, OES, ICP-MS, etc. The analysis and reporting of each individual sample includes analysis of Quality Control (QC) samples, programs such as Instrument QC controls, calibration standard checks, spiked media, and reporting limit controls; all to ensure the confidence limits of the data are within the acceptable range as specified by the method requirements and our Quality Control Program.

Our labs maintain normal business day operational hours with weekend scheduling availability as needed for critical response situations. Samples are received during regular business hours and turnaround times (TATs) are tracked on business days. Laboratory TATs are offered for same day or next day, as well as for 2 day, 3 day, 4 day, 1 week, and 2 week Standard TATs. Costs/rates are based on the TAT requested with our 2 week TAT rates being the most economically cost-effective for our customers.

Sample control/processing (log-in, results data-entry, reporting) is facilitated by our Laboratory Information Management System (LIMS) which tracks the sample job (batch) and provides the laboratory with work log (due dates) to help ensure all the work is organized and processed in accordance with the client's needs. Additionally, the LIMS includes security controls to ensure that information is controlled (locked) once the data has been documented and entered by the bench chemists. Reports are delivered at the choice of the customer which would include email, hard-copy regular mail, or both. Additionally, EMSL can provide a wide variety of Electronic Data Deliverables (EDD) as well as various QC Data Packages if required.

Key tests include* (but are not limited to) the following:

ORGANIC

- VOC using multiple NIOSH methods
- VOC by USEPA TO-15 and NJDEP LL TO-15



- Many Aldehydes by NIOSH 2016
- Aromatic Hydrocarbons by NIOSH 1501 (BTEX)
- Asphalt Fumes by NIOSH 5042/OSHA 58
- Coal tar pitch volatiles/asphalt fumes
- Diisocyanates OSHA 42/47M
- 2,4-TDI, 2,6-TDI, HDI and MDI
- Glycols using NIOSH 5523 (ethylene and propylene)
- Waste Anesthetic Gases

ACID FUMES

- Individual Acids by NIOSH methods 7903, 7906, 7907, 7908
- Group Scan by NIOSH 7903 for Indoor Air Quality applications

PESTICIDES

- Organophosphorous/Nitrogen Pesticides using modified NIOSH 5600
- Chlorinated Pesticides, mostly banned by the EPA 20+ years ago, by modified NIOSH 5510

METALS (ICP, ICP/MS, CVAA)

- Individual Elements
- Solder Metals Profile
- Multi-Element Packages
- Welding Fume Profile

HEXAVALENT CHROMIUM

- OSHA ID-215 Vers. 2

BERYLLIUM

- Beryllium (Be) by ICP/MS

NUISANCE and RESPIRABLE DUST

- Nuisance Dust (NIOSH 0500)
- Respirable Dust (NIOSH 0600)
- Airborne Dust PM-10/PM 2.5 (40 CFR Part 50.6 Appendix J)
- Airborne Dust TSP (40 CFR Part 50.6 Appendix B)
- Airborne Cement Dust (OSHA ID142/ID207)

SILICA

- Respirable Crystalline Silica
- Tridymite
- Alpha Quartz
- Cristobalite
- Amorphous Silica

WASTE ANESTHETIC GASES (WAGs)

- Individual or Multi-Analytes
- 3M Badges or Assay Badges
- NIOSH Methods
- OSHA Methods

If you are looking for a method that is not listed, please contact us immediately to confirm if we can perform. Our list of services is being expanded regularly.

**The above is a summary of key tests. Visit www.EMSL.com for a full listing and pricing of testing offered.*

