AGT LABS · INDUSTRIAL HYGIENE DIVISION

# Industrial Hygiene Analytical Service Guide

Analyte index, methods, sampling profiles and accreditation status

**Edition: October 2026 · aligned to AIHA LAP-101470 certificate issued 09/30/2026**

### AIHA LAP, LLC — LAP-101470

ISO/IEC 17025:2017 · Industrial Hygiene (IHLAP, 117 entries) and Environmental Microbiology (EMLAP, 5 entries). Expires 01/01/2027.

### PJLA — No. 137751, Cert. L26-747

ISO/IEC 17025:2017 + DoD-ELAP · Asbestos PLM (EPA 600/R-93/116) and PCM (NIOSH 7400). Expires 11/30/2028.

### NVLAP — Lab Code 101793-0

Bulk asbestos fiber analysis by PLM · EPA 40 CFR 763 App. E and EPA 600/R-93/116. Expires 12/31/2026.

### State licences & proficiency

TX DSHS Asbestos Lab #300529 (PCM, PLM; exp. 08/18/2027) · TX TDLR Mold Lab LAB1070 (exp. 11/13/2027) · CDC ELITE Legionella culture proficiency (exp. 12/01/2027).

## How to read this guide

- AIHA IHLAP · AIHA EMLAP · NVLAP · PJLA · AIHA · PJLA — the method shown is on our current scope of accreditation (202 index entries).
- Not accredited — analysis available on request but not covered by an accreditation scope. Results are reported as non-accredited.
- Accreditation applies to the exact method listed. A modified (“M”) version is accredited only where the scope lists it.

## Turnaround

| Option | Business days | Surcharge |
|---|---|---|
| Standard | 5 | None |
| 4-Day Rush | 4 | +25% |
| 3-Day Rush | 3 | +50% |
| 2-Day Rush | 2 | +75% |
| 1-Day Rush | 1 | +100% |

Samples received before 2:00 PM CT are logged the same day. Legionella culture requires a fixed 10-day incubation and cannot be rushed. AGT Labs is an analytical laboratory: you or your consultant collect samples and ship or courier them to us — we do not perform on-site sampling or inspections.

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# Analyte Index

Alphabetical list of analytes with CAS number, method, technique and accreditation status.

| Analyte | CAS # | Method | Technique | Accreditation |
|---|---|---|---|---|
| Acetaldehyde | 75-07-0 | NIOSH 2016M | HPLC | Not accredited |
| **Acetic Acid** | 64-19-7 | OSHA ID-186SG | IC | AIHA IHLAP |
| **Acetic Acid** | 64-19-7 | OSHA PV2119 | IC | AIHA IHLAP |
| **Acetic Acid** | 64-19-7 | NIOSH 1603 | GC/FID | AIHA IHLAP |
| Acetic Acid | 64-19-7 | NIOSH 2011M | IC | Not accredited |
| Acetic Anhydride | 108-24-7 | OSHA 82 | GC/NPD | Not accredited |
| **Acetone** | 67-64-1 | NIOSH 1300 | GC/FID | AIHA IHLAP |
| Acetone | 67-64-1 | OSHA 69 | GC/FID | Not accredited |
| **Acetonitrile** | 75-05-8 | NIOSH 1606 | GC/FID | AIHA IHLAP |
| **Acid Mist (sulfuric, phosphoric)**<br>*See Inorganic Profiles.* | N/A | OSHA ID-165SG | IC | AIHA IHLAP |
| Acrolein | 107-02-8 | NIOSH 2016M | HPLC | Not accredited |
| Acrylamide | 79-06-1 | OSHA 21 | GC/NPD | Not accredited |
| Acrylic Acid | 79-10-7 | OSHA 28 | HPLC | Not accredited |
| **Acrylonitrile** | 107-13-1 | NIOSH 1604 | GC/FID | AIHA IHLAP |
| **Aldehyde Profile (carbonyl speciation)** | N/A | EPA TO-11 | HPLC/UV | AIHA IHLAP |
| **Aldehydes, 12-analyte screen** | N/A | NIOSH 2539 | GC/FID | AIHA IHLAP |
| Aldrin<br>*See Organochlorine Pesticide Profile.* | 309-00-2 | EPA TO-10A | GC/ECD | Not accredited |
| Alkaline Dust (as NaOH or KOH) | 1310-73-2 | NIOSH 7401 | Titration | Not accredited |
| **Aluminum**<br>*Also see Welding Fume Profile.* | 7429-90-5 | NIOSH 7300M | ICP-AES | AIHA IHLAP |
| **Ammonia** | 7664-41-7 | NIOSH 6015 | UV/VIS | AIHA IHLAP |
| Ammonia | 7664-41-7 | NIOSH 6016 | IC | Not accredited |
| **n-Amyl Acetate** | 628-63-7 | NIOSH 1450 | GC/FID | AIHA IHLAP |
| **sec-Amyl Acetate** | 626-38-0 | NIOSH 1450 | GC/FID | AIHA IHLAP |
| **Aniline** | 62-53-3 | NIOSH 2002 | GC/FID | AIHA IHLAP |
| Aniline | 62-53-3 | NIOSH 2017 | GC/FID | Not accredited |
| **Antimony**<br>*Also see Welding Fume Profile.* | 7440-36-0 | NIOSH 7300M | ICP-AES | AIHA IHLAP |
| **Arsenic** | 7440-38-2 | NIOSH 7300M | ICP-AES | AIHA IHLAP |
| Arsenic Trioxide (as Arsenic) | N/A | NIOSH 7901 | GFAA | Not accredited |
| Arsine (as Arsenic) | 7784-42-1 | NIOSH 6001M | ICP-AES | Not accredited |
| **Asbestos Bulk ID** | N/A | EPA 600/R-93/116 | PLM | NVLAP · PJLA |

| Analyte | CAS # | Method | Technique | Accreditation |
|---|---|---|---|---|
| **Asbestos Bulk Point Count** | N/A | EPA 600/R-93/116 | PLM | NVLAP · PJLA |
| **Asbestos Fiber Count** | N/A | NIOSH 7400 | PCM | AIHA · PJLA |
| Asphalt Fumes, Benzene-Soluble Fraction | N/A | NIOSH 5042 | Gravimetric | Not accredited |
| Asphalt Fumes, Total Particulates<br>*Includes total particulate and benzene solubles.* | N/A | NIOSH 5042 | Gravimetric | Not accredited |
| **Barium** | 7440-39-3 | NIOSH 7300M | ICP-AES | AIHA IHLAP |
| **Benzene** | 71-43-2 | NIOSH 1501 | GC/FID | AIHA IHLAP |
| **Benzene** | 71-43-2 | OSHA 1005 | GC/FID | AIHA IHLAP |
| **Benzene (fenceline, passive tube)** | 71-43-2 | EPA 325B | GC/MS | AIHA IHLAP |
| Benzidine<br>*Ship on dry ice by overnight delivery.* | 92-87-5 | NIOSH 5509 | HPLC | Not accredited |
| **Benzo(a)pyrene**<br>*Also see PNA Profile.* | 50-32-8 | NIOSH 5506 | HPLC/FL | AIHA IHLAP |
| Benzoyl Peroxide | 94-36-0 | NIOSH 5009 | HPLC | Not accredited |
| **Benzyl Chloride** | 100-44-7 | NIOSH 1003 | GC/FID | AIHA IHLAP |
| **Beryllium**<br>*Also see Welding Fume Profile.* | 7440-41-7 | NIOSH 7300M | ICP-AES | AIHA IHLAP |
| Biphenyl (Diphenyl) | 92-52-4 | NIOSH 2530 | GC/FID | Not accredited |
| **Bismuth** | 7440-69-9 | NIOSH 7300M | ICP-AES | AIHA IHLAP |
| Bisphenol A | 80-05-7 | OSHA CSI | HPLC | Not accredited |
| **Boron** | 7440-42-8 | NIOSH 7300M | ICP-AES | AIHA IHLAP |
| **Bromine** | 7726-95-6 | NIOSH 6011 | IC | AIHA IHLAP |
| **Bromoform** | 75-25-2 | NIOSH 1003 | GC/FID | AIHA IHLAP |
| **BTEX** | N/A | NIOSH 1501 | GC/FID | AIHA IHLAP |
| **1,3-Butadiene**<br>*Ship refrigerated overnight.* | 106-99-0 | NIOSH 1024 | GC/FID | AIHA IHLAP |
| 1,3-Butadiene<br>*Ship refrigerated overnight.* | 106-99-0 | OSHA 56 | GC/FID | Not accredited |
| **2-Butanone (MEK)** | 78-93-3 | NIOSH 2500 | GC/FID | AIHA IHLAP |
| **2-Butoxyethanol** | 111-76-2 | NIOSH 1403 | GC/FID | AIHA IHLAP |
| 2-Butoxyethyl Acetate | 112-07-2 | OSHA 83 | GC/FID | Not accredited |
| **n-Butyl Acetate** | 123-86-4 | NIOSH 1450 | GC/FID | AIHA IHLAP |
| **sec-Butyl Acetate** | 105-46-4 | NIOSH 1450 | GC/FID | AIHA IHLAP |
| **tert-Butyl Acetate** | 540-88-5 | NIOSH 1450 | GC/FID | AIHA IHLAP |
| n-Butyl Acrylate | 141-32-2 | NIOSH 1450M | GC/FID | Not accredited |
| **n-Butyl Alcohol** | 71-36-3 | NIOSH 1401 | GC/FID | AIHA IHLAP |
| **sec-Butyl Alcohol** | 78-92-2 | NIOSH 1401 | GC/FID | AIHA IHLAP |
| **tert-Butyl Alcohol** | 75-65-0 | NIOSH 1400 | GC/FID | AIHA IHLAP |

| Analyte | CAS # | Method | Technique | Accreditation |
|---|---|---|---|---|
| **Butyl Carbitol** | 112-34-5 | NIOSH 1403 | GC/FID | AIHA IHLAP |
| **Butyl Cellosolve** | 111-76-2 | NIOSH 1403 | GC/FID | AIHA IHLAP |
| **Butyl Cellosolve Acetate** | 112-07-2 | NIOSH 1403 | GC/FID | AIHA IHLAP |
| n-Butyl Glycidyl Ether | 2426-08-6 | NIOSH 1616 | GC/FID | Not accredited |
| **Butyl Methacrylate** | 97-88-1 | NIOSH 2537 | GC/FID | AIHA IHLAP |
| **Cadmium** | 7440-43-9 | NIOSH 7300M | ICP-AES | AIHA IHLAP |
| **Calcium** | 7440-70-2 | NIOSH 7300M | ICP-AES | AIHA IHLAP |
| **Camphor** | 76-22-2 | NIOSH 1301 | GC/FID | AIHA IHLAP |
| Caprolactam, Dust | 105-60-2 | OSHA CSI | HPLC | Not accredited |
| Caprolactam, Vapor | 105-60-2 | OSHA CSI | HPLC | Not accredited |
| Carbon Black | 1333-86-4 | NIOSH 5000 | Gravimetric | Not accredited |
| Carbon Black | 1333-86-4 | OSHA ID-196 | Gravimetric | Not accredited |
| **Carbon Tetrachloride** | 56-23-5 | NIOSH 1003 | GC/FID | AIHA IHLAP |
| **Cellosolve (2-Ethoxyethanol)** | 110-80-5 | NIOSH 1403 | GC/FID | AIHA IHLAP |
| **Cellosolve Acetate** | 111-15-9 | NIOSH 1450 | GC/FID | AIHA IHLAP |
| Chlordane | 57-74-9 | NIOSH 5510 | GC/ECD | Not accredited |
| Chlordane | 57-74-9 | OSHA 67 | GC/ECD | Not accredited |
| **Chlorine** | 7782-50-5 | NIOSH 6011 | IC | AIHA IHLAP |
| Chlorine Dioxide<br>*Protect solution from light.* | 10049-04-4 | OSHA ID-202 | IC | Not accredited |
| **Chlorobenzene** | 108-90-7 | NIOSH 1003 | GC/FID | AIHA IHLAP |
| **Chlorobromomethane** | 74-97-5 | NIOSH 1003 | GC/FID | AIHA IHLAP |
| **Chloroform** | 67-66-3 | NIOSH 1003 | GC/FID | AIHA IHLAP |
| beta-Chloroprene | 126-99-8 | NIOSH 1002 | GC/FID | Not accredited |
| Chlorpyrifos (Dursban) | 2921-88-2 | OSHA 62 | GC/ECD | Not accredited |
| Chromic Acid, Soluble Chromates | N/A | NIOSH 7600 | Spectrophotometry | Not accredited |
| **Chromium (total)** | 7440-47-3 | NIOSH 7300M | ICP-AES | AIHA IHLAP |
| **Chromium, Hexavalent [Cr(VI)]** | 18540-29-9 | OSHA ID-215 (v2) | IC | AIHA IHLAP |
| Coal Tar Pitch Volatiles<br>*Ship refrigerated overnight.* | 65996-93-2 | OSHA 58 | Gravimetric / HPLC | Not accredited |
| **Cobalt** | 7440-48-4 | NIOSH 7300M | ICP-AES | AIHA IHLAP |
| Coke Oven Emissions<br>*Ship refrigerated overnight.* | N/A | OSHA 58 | Gravimetric / HPLC | Not accredited |
| **Copper** | 7440-50-8 | NIOSH 7300M | ICP-AES | AIHA IHLAP |
| **Cresols, Total Isomers / Phenol** | 1319-77-3 | NIOSH 2546 | GC/FID | AIHA IHLAP |
| **Cristobalite (respirable)** | 14464-46-1 | NIOSH 7500 | XRD | AIHA IHLAP |

| Analyte | CAS # | Method | Technique | Accreditation |
|---|---|---|---|---|
| **Cristobalite (respirable)** | 14464-46-1 | OSHA ID-142 (v4) | XRD | AIHA IHLAP |
| **Cumene** | 98-82-8 | NIOSH 1501 | GC/FID | AIHA IHLAP |
| Cyanides, Gaseous (HCN) | 74-90-8 | NIOSH 6010 | Spectrophotometry | Not accredited |
| Cyanides, Particulate / Total | N/A | NIOSH 7904 | ISE | Not accredited |
| **Cyclohexane** | 110-82-7 | NIOSH 1500 | GC/FID | AIHA IHLAP |
| **Cyclohexanol** | 108-93-0 | NIOSH 1402 | GC/FID | AIHA IHLAP |
| **Cyclohexanone** | 108-94-1 | NIOSH 1300 | GC/FID | AIHA IHLAP |
| **Cyclohexene** | 110-83-8 | NIOSH 1500 | GC/FID | AIHA IHLAP |
| DDVP (Dichlorvos) | 62-73-7 | OSHA 62M | GC/ECD | Not accredited |
| **n-Decane** | 124-18-5 | NIOSH 1500 | GC/FID | AIHA IHLAP |
| **Di(2-Ethylhexyl) Phthalate** | 117-81-7 | NIOSH 5020 | GC/FID | AIHA IHLAP |
| **Diacetone Alcohol** | 123-42-2 | NIOSH 1402 | GC/FID | AIHA IHLAP |
| Diazinon | 333-41-5 | NIOSH 5600M | GC/ECD | Not accredited |
| **Dibutyl Phthalate** | 84-74-2 | NIOSH 5020 | GC/FID | AIHA IHLAP |
| 1,2-Dichlorotetrafluoroethane (R114) | 76-14-2 | NIOSH 1018 | GC/FID | Not accredited |
| 1,1-Dichloro-1-fluoroethane (R141b) | 1717-00-6 | NIOSH 2516 | GC/FID | Not accredited |
| **o-Dichlorobenzene** | 95-50-1 | NIOSH 1003 | GC/FID | AIHA IHLAP |
| **p-Dichlorobenzene** | 106-46-7 | NIOSH 1003 | GC/FID | AIHA IHLAP |
| Dichlorodifluoromethane (R12) | 75-71-8 | NIOSH 1018 | GC/FID | Not accredited |
| **1,1-Dichloroethane** | 75-34-3 | NIOSH 1003 | GC/FID | AIHA IHLAP |
| **1,2-Dichloroethane (Ethylene Dichloride)** | 107-06-2 | NIOSH 1003 | GC/FID | AIHA IHLAP |
| **1,2-Dichloroethylene** | 540-59-0 | NIOSH 1003 | GC/FID | AIHA IHLAP |
| Dichlorofluoromethane (R21) | 75-43-4 | NIOSH 2516 | GC/FID | Not accredited |
| **Dichloromethane (Methylene Chloride)** | 75-09-2 | NIOSH 1005 | GC/FID | AIHA IHLAP |
| Dichloromethane (Methylene Chloride) | 75-09-2 | OSHA 80 | GC/FID | Not accredited |
| 1,2-Dichloropropane | 78-87-5 | NIOSH 1013M | GC/FID | Not accredited |
| **Diethyl Ether (Ethyl Ether)** | 60-29-7 | NIOSH 1610 | GC/FID | AIHA IHLAP |
| **Diethylene Glycol** | 111-46-6 | NIOSH 5523 | GC/FID | AIHA IHLAP |
| **Diethylene Glycol Monoethyl Ether** | 111-90-0 | NIOSH 1403M | GC/FID | AIHA IHLAP |
| **Diisobutyl Ketone** | 108-83-8 | NIOSH 1300 | GC/FID | AIHA IHLAP |
| **Dimethoxymethane (Methylal)** | 109-87-5 | NIOSH 1611 | GC/FID | AIHA IHLAP |
| Dimethylacetamide | 127-19-5 | NIOSH 2004 | GC/FID | Not accredited |
| Dimethylformamide | 68-12-2 | NIOSH 2004 | GC/FID | Not accredited |
| **N,N-Dimethylaniline** | 121-69-7 | NIOSH 2002 | GC/FID | AIHA IHLAP |

| Analyte | CAS # | Method | Technique | Accreditation |
|---|---|---|---|---|
| 1,4-Dioxane | 123-91-1 | NIOSH 1602 | GC/FID | Not accredited |
| Dipropylene Glycol Methyl Ether | 34590-94-8 | OSHA 7 | GC/FID | Not accredited |
| Divinylbenzene | 1321-74-0 | OSHA 89 | GC/FID | Not accredited |
| **Dust, Respirable (nuisance)** | N/A | NIOSH 0600 | Gravimetric | AIHA IHLAP |
| **Dust, Total (nuisance)** | N/A | NIOSH 0500 | Gravimetric | AIHA IHLAP |
| **Epichlorohydrin** | 106-89-8 | NIOSH 1010 | GC/FID | AIHA IHLAP |
| **Ethanol (Ethyl Alcohol)** | 64-17-5 | NIOSH 1400 | GC/FID | AIHA IHLAP |
| **2-Ethoxyethyl Acetate** | 111-15-9 | NIOSH 1450 | GC/FID | AIHA IHLAP |
| **Ethyl Acetate** | 141-78-6 | NIOSH 1457 | GC/FID | AIHA IHLAP |
| **Ethyl Acrylate** | 140-88-5 | NIOSH 1450 | GC/FID | AIHA IHLAP |
| Ethyl Amyl Ketone | 541-85-5 | OSHA 7 | GC/FID | Not accredited |
| **Ethylbenzene** | 100-41-4 | NIOSH 1501 | GC/FID | AIHA IHLAP |
| Ethyl Chloride (Chloroethane) | 75-00-3 | NIOSH 2519 | GC/FID | Not accredited |
| Ethyl Cyanoacrylate | 7085-85-0 | OSHA 55 | HPLC | Not accredited |
| Ethylene Chlorohydrin | 107-07-3 | NIOSH 2513 | GC/FID | Not accredited |
| Ethylene Dibromide | 106-93-4 | NIOSH 1008 | GC/ECD | Not accredited |
| **Ethylene Glycol**<br>*Also see Glycol Profile.* | 107-21-1 | NIOSH 5523 | GC/FID | AIHA IHLAP |
| **Ethylene Oxide** | 75-21-8 | NIOSH 1614M | GC/FID | AIHA IHLAP |
| **Fiber Count, Total (A or B rules)** | N/A | NIOSH 7400 | PCM | AIHA · PJLA |
| **Fibrous Glass / Synthetic Vitreous Fibers** | N/A | NIOSH 7400 (B rules) | PCM | AIHA · PJLA |
| **Fluorides, Gaseous and Particulate / Hydrogen Fluoride** | 16984-48-8 | NIOSH 7906 | IC | AIHA IHLAP |
| Forane (Isoflurane) | 26675-46-7 | OSHA 103 | GC/FID | Not accredited |
| **Formaldehyde** | 50-00-0 | NIOSH 2016 | HPLC/UV | AIHA IHLAP |
| **Formaldehyde** | 50-00-0 | EPA TO-11 | HPLC/UV | AIHA IHLAP |
| **Formaldehyde (passive badge)** | 50-00-0 | OSHA 1007 | HPLC/UV | AIHA IHLAP |
| **Formaldehyde** | 50-00-0 | NIOSH 2541 | GC/FID | AIHA IHLAP |
| Formaldehyde | 50-00-0 | NIOSH 3500 | Colorimetric | Not accredited |
| Formic Acid | 64-18-6 | NIOSH 2011 | IC | Not accredited |
| **Furfural** | 98-01-1 | OSHA 72 | GC/FID | AIHA IHLAP |
| Furfural | 98-01-1 | NIOSH 2529 | GC/FID | Not accredited |
| Furfuryl Alcohol | 98-00-0 | NIOSH 2505 | GC/FID | Not accredited |
| Gasoline | 8006-61-9 | NIOSH 1550M | GC/FID | Not accredited |
| **Glutaraldehyde** | 111-30-8 | OSHA 64 | HPLC/UV | AIHA IHLAP |

| Analyte | CAS # | Method | Technique | Accreditation |
|---|---|---|---|---|
| Glutaraldehyde | 111-30-8 | NIOSH 2016M | HPLC | Not accredited |
| Halothane | 151-67-7 | OSHA 103 | GC/FID | Not accredited |
| **HDI (Hexamethylene Diisocyanate)**<br>*Ship samples refrigerated by overnight delivery.* | 822-06-0 | OSHA 42 | HPLC/FL, HPLC/UV | AIHA IHLAP |
| Heptachlor | 76-44-8 | EPA TO-10A | GC/ECD | Not accredited |
| **Heptane** | 142-82-5 | NIOSH 1500 | GC/FID | AIHA IHLAP |
| **2-Heptanone (Methyl n-Amyl Ketone)** | 110-43-0 | NIOSH 1301 | GC/FID | AIHA IHLAP |
| **n-Hexane** | 110-54-3 | NIOSH 1500 | GC/FID | AIHA IHLAP |
| **2-Hexanone (MBK)** | 591-78-6 | NIOSH 1300 | GC/FID | AIHA IHLAP |
| **Hexone (MIBK)** | 108-10-1 | NIOSH 1300 | GC/FID | AIHA IHLAP |
| Hydrazine | 302-01-2 | OSHA 20 | HPLC | Not accredited |
| **Hydrocarbons, Total (as n-Hexane)**<br>*Also see THC Profile.* | N/A | NIOSH 1500 | GC/FID | AIHA IHLAP |
| **Hydrogen Bromide / Hydrobromic Acid** | 10035-10-6 | NIOSH 7907 | IC | AIHA IHLAP |
| **Hydrogen Chloride / Hydrochloric Acid**<br>*Also see Inorganic Acid Profile.* | 7647-01-0 | NIOSH 7907 | IC | AIHA IHLAP |
| Hydrogen Cyanide | 74-90-8 | NIOSH 6010 | Spectrophotometry | Not accredited |
| Hydrogen Sulfide | 7783-06-4 | NIOSH 6013 | IC | Not accredited |
| Hydroquinone | 123-31-9 | NIOSH 5004 | HPLC | Not accredited |
| **Iron Oxide** | 1309-37-1 | NIOSH 7300M | ICP-AES | AIHA IHLAP |
| **Isoamyl Acetate** | 123-92-2 | NIOSH 1450 | GC/FID | AIHA IHLAP |
| **Isoamyl Alcohol** | 123-51-3 | NIOSH 1402 | GC/FID | AIHA IHLAP |
| **Isobutyl Acetate** | 110-19-0 | NIOSH 1450 | GC/FID | AIHA IHLAP |
| **Isobutyl Alcohol** | 78-83-1 | NIOSH 1401 | GC/FID | AIHA IHLAP |
| **Isooctane** | 540-84-1 | NIOSH 1500 | GC/FID | AIHA IHLAP |
| Isophorone | 78-59-1 | NIOSH 2508 | GC/FID | Not accredited |
| **Isopropyl Acetate** | 108-21-4 | NIOSH 1454 | GC/FID | AIHA IHLAP |
| **Isopropyl Alcohol** | 67-63-0 | NIOSH 1400 | GC/FID | AIHA IHLAP |
| Isovaleraldehyde | 590-86-3 | NIOSH 2016M | HPLC | Not accredited |
| **Kerosene (Diesel Fuel)** | 8008-20-6 | NIOSH 1550 | GC/FID | AIHA IHLAP |
| **Lead (air)** | 7439-92-1 | NIOSH 7300M | ICP-AES | AIHA IHLAP |
| **Lead (air)** | 7439-92-1 | NIOSH 7303 | ICP-AES | AIHA IHLAP |
| **Lead, Workplace Surface Wipes**<br>*Not for EPA/HUD dust-clearance (requires an NLLAP lab).* | 7439-92-1 | NIOSH 9100 | ICP-AES | AIHA IHLAP |
| **Legionella (culture)**<br>*10-day standard incubation; CDC ELITE proficiency.* | N/A | SOP 152.04 / SOP 195 (CDC-508 based) | Culture | AIHA EMLAP |

| Analyte | CAS # | Method | Technique | Accreditation |
|---|---|---|---|---|
| **Lithium** | 7439-93-2 | NIOSH 7300M | ICP-AES | AIHA IHLAP |
| **Lithium Hydride** | 7580-67-8 | NIOSH 7300M | ICP-AES | AIHA IHLAP |
| **Magnesium Oxide Fume** | 1309-48-4 | NIOSH 7300M | ICP-AES | AIHA IHLAP |
| Maleic Anhydride | 108-31-6 | OSHA 86 | HPLC | Not accredited |
| **Manganese** | 7439-96-5 | NIOSH 7300M | ICP-AES | AIHA IHLAP |
| MDI (Methylene Bisphenyl Diisocyanate)<br>*Ship samples refrigerated by overnight delivery.* | 101-68-8 | OSHA 47 | HPLC/FL | Not accredited |
| **Mercury Vapor** | 7439-97-6 | NIOSH 6009 | CVAA | AIHA IHLAP |
| **Mercury Vapor** | 7439-97-6 | OSHA ID-140 | CVAA | AIHA IHLAP |
| **Mercury, Particulate** | 7439-97-6 | OSHA ID-145 | CVAA | AIHA IHLAP |
| Mercury, Particulate | 7439-97-6 | NIOSH 6009M | CVAA | Not accredited |
| **Mesityl Oxide** | 141-79-7 | NIOSH 1301 | GC/FID | AIHA IHLAP |
| **Mesitylene** | 108-67-8 | NIOSH 1501 | GC/FID | AIHA IHLAP |
| Metal Working Fluids | N/A | ASTM PS 42-97 | Gravimetric | Not accredited |
| **Metals, Multi-element (30+ elements)** | N/A | NIOSH 7300M / 7303 / OSHA ID-125G (mod.) | ICP-AES | AIHA IHLAP |
| **Methanol (Methyl Alcohol)** | 67-56-1 | NIOSH 2000 | GC/FID | AIHA IHLAP |
| 2-Methoxyethanol (Methyl Cellosolve) | 109-86-4 | OSHA 79 | GC/FID | Not accredited |
| 2-Methoxyethyl Acetate | 110-49-6 | OSHA 79 | GC/FID | Not accredited |
| **Methyl Acetate** | 79-20-9 | NIOSH 1458 | GC/FID | AIHA IHLAP |
| Methyl Acrylate | 96-33-3 | NIOSH 1459 | GC/FID | Not accredited |
| **Methyl Chloride** | 74-87-3 | NIOSH 1001 | GC/FID | AIHA IHLAP |
| **Methyl Chloroform (1,1,1-Trichloroethane)** | 71-55-6 | NIOSH 1003 | GC/FID | AIHA IHLAP |
| **Methylcyclohexane** | 108-87-2 | NIOSH 1500 | GC/FID | AIHA IHLAP |
| **Methyl Isoamyl Ketone** | 110-12-3 | NIOSH 1300 | GC/FID | AIHA IHLAP |
| **Methyl Isobutyl Carbinol** | 108-11-2 | NIOSH 1402 | GC/FID | AIHA IHLAP |
| **Methyl Methacrylate** | 80-62-6 | NIOSH 2537 | GC/FID | AIHA IHLAP |
| Methyl Methacrylate | 80-62-6 | OSHA 94 | GC/FID | Not accredited |
| Methyl Propyl Ketone (2-Pentanone) | 107-87-9 | OSHA 7 | GC/FID | Not accredited |
| **alpha-Methyl Styrene** | 98-83-9 | NIOSH 1501 | GC/FID | AIHA IHLAP |
| **Methyl tert-Butyl Ether (MTBE)** | 1634-04-4 | NIOSH 1615 | GC/FID | AIHA IHLAP |
| 4,4'-Methylene Dianiline | 101-77-9 | NIOSH 5029 | HPLC/UV | Not accredited |
| **Mineral Spirits / Stoddard Solvent** | 8030-30-6 | NIOSH 1550 | GC/FID | AIHA IHLAP |
| MOCA<br>*Ship refrigerated overnight.* | 101-14-4 | OSHA 71 | GC/ECD | Not accredited |
| **Mold, Air Spore Count & ID (non-viable)**<br>*Spore trap cassettes (Air-O-Cell and similar).* | N/A | SOP 057.08 (direct examination) | Microscopy | AIHA EMLAP |

| Analyte | CAS # | Method | Technique | Accreditation |
|---|---|---|---|---|
| **Mold, Bulk / Surface Direct Exam (non-viable)**<br>*Tape lift, swab and bulk.* | N/A | SOP 056.07 (direct examination) | Microscopy | AIHA EMLAP |
| **Molybdenum** | 7439-98-7 | NIOSH 7300M | ICP-AES | AIHA IHLAP |
| **Naphtha, Petroleum / VM&P** | 8032-32-4 | NIOSH 1550 | GC/FID | AIHA IHLAP |
| **Naphthalene** | 91-20-3 | NIOSH 1501 | GC/FID | AIHA IHLAP |
| Naphthalene | 91-20-3 | OSHA 35 | GC/FID | Not accredited |
| **Nickel** | 7440-02-2 | NIOSH 7300M | ICP-AES | AIHA IHLAP |
| Nicotine | 54-11-5 | NIOSH 2544 | GC/NPD | Not accredited |
| **Nitric Acid**<br>*Also see Inorganic Acid Profile.* | 7697-37-2 | NIOSH 7907 | IC | AIHA IHLAP |
| Nitric Oxide (NO) | 10102-43-9 | OSHA ID-190 | IC | Not accredited |
| Nitrobenzene | 98-95-3 | NIOSH 2005 | GC/FID | Not accredited |
| Nitrogen Dioxide / Nitric Oxide | 10102-44-0 | OSHA ID-182 | IC | Not accredited |
| N-Methyl Pyrrolidone (NMP) | 872-50-4 | NIOSH 1302 | GC/FID | Not accredited |
| **n-Octane** | 111-65-9 | NIOSH 1500 | GC/FID | AIHA IHLAP |
| **Organic Hydrocarbons (passive badges)** | N/A | In-house (diffusive sampler) | GC | AIHA IHLAP |
| **Ozone** | 10028-15-6 | OSHA 214 | IC | AIHA IHLAP |
| **PAHs (PNAs)**<br>*Also see PNA Profile.* | N/A | NIOSH 5506 | HPLC/UV/FL | AIHA IHLAP |
| **PCBs, Vapor & Particulate** | N/A | NIOSH 5503 | GC/ECD | AIHA IHLAP |
| PCBs, Vapor & Particulate | N/A | NIOSH 5503M | GC/ECD | Not accredited |
| Pentachlorophenol | 87-86-5 | OSHA 39 | HPLC | Not accredited |
| **n-Pentane** | 109-66-0 | NIOSH 1500 | GC/FID | AIHA IHLAP |
| **Perchloroethylene (Tetrachloroethylene)** | 127-18-4 | NIOSH 1003 | GC/FID | AIHA IHLAP |
| **Phenol** | 108-95-2 | NIOSH 2546 | GC/FID | AIHA IHLAP |
| Phenol | 108-95-2 | OSHA 32 | HPLC | Not accredited |
| Phenyl Ether | 101-84-8 | NIOSH 1617 | GC/FID | Not accredited |
| Phenyl Ether / Biphenyl Mix | N/A | NIOSH 2013 | GC/FID | Not accredited |
| Phenyl Glycidyl Ether | 122-60-1 | NIOSH 1619 | GC/FID | Not accredited |
| **Phosphoric Acid**<br>*Also see Inorganic Acid Profile.* | 7664-38-2 | NIOSH 7908 | IC | AIHA IHLAP |
| Phosphoric Acid | 7664-38-2 | OSHA ID-111 | IC | Not accredited |
| Phthalic Anhydride | 85-44-9 | OSHA 90 | HPLC | Not accredited |
| **Potassium & Compounds** | 7440-09-7 | NIOSH 7300M | ICP-AES | AIHA IHLAP |
| Potassium Hydroxide | 1310-58-3 | NIOSH 7401 | Titration | Not accredited |
| **n-Propyl Acetate** | 109-60-4 | NIOSH 1450 | GC/FID | AIHA IHLAP |

| Analyte | CAS # | Method | Technique | Accreditation |
|---|---|---|---|---|
| **n-Propyl Alcohol** | 71-23-8 | NIOSH 1401 | GC/FID | AIHA IHLAP |
| n-Propyl Bromide | 106-94-5 | NIOSH 1011M | GC/FID | Not accredited |
| Propylene Glycol<br>*Also see Glycol Profile.* | 57-55-6 | NIOSH 5523M | GC/FID | Not accredited |
| **Propylene Oxide** | 75-56-9 | NIOSH 1612 | GC/FID | AIHA IHLAP |
| Pyrethrum | 8003-34-7 | NIOSH 5008 | HPLC | Not accredited |
| **Pyridine** | 110-86-1 | NIOSH 1613 | GC/FID | AIHA IHLAP |
| **Quartz (respirable crystalline silica)** | 14808-60-7 | NIOSH 7500 | XRD | AIHA IHLAP |
| **Quartz (respirable crystalline silica)** | 14808-60-7 | OSHA ID-142 (v4) | XRD | AIHA IHLAP |
| Refrigerant 11 (Trichlorofluoromethane) | 75-69-4 | NIOSH 1006 | GC/FID | Not accredited |
| Refrigerant 113 | 76-13-1 | NIOSH 1020 | GC/FID | Not accredited |
| Refrigerant 123 | 306-83-2 | NIOSH 2516 | GC/FID | Not accredited |
| Refrigerant 134a (1,1,1,2-Tetrafluoroethane) | 811-97-2 | NIOSH 1016 | GC/FID | Not accredited |
| Refrigerant 22 | 75-45-6 | NIOSH 1020 | GC/FID | Not accredited |
| Refrigerant 43 | 138495-42-8 | NIOSH 1018 | GC/FID | Not accredited |
| **Selenium** | 7782-49-2 | NIOSH 7300M | ICP-AES | AIHA IHLAP |
| **Sodium** | 7440-23-5 | NIOSH 7300M | ICP-AES | AIHA IHLAP |
| Sodium Hydroxide | 1310-73-2 | NIOSH 7401 | Titration | Not accredited |
| **Strontium** | 7440-24-6 | NIOSH 7300M | ICP-AES | AIHA IHLAP |
| **Styrene** | 100-42-5 | NIOSH 1501 | GC/FID | AIHA IHLAP |
| **Sulfur Dioxide** | 7446-09-5 | NIOSH 6004 | IC | AIHA IHLAP |
| **Sulfuric Acid**<br>*Also see Inorganic Acid Profile.* | 7664-93-9 | NIOSH 7908 | IC | AIHA IHLAP |
| Sulfuric Acid | 7664-93-9 | OSHA ID-113 | IC | Not accredited |
| **2,4-TDI (Toluene Diisocyanate)**<br>*Ship samples refrigerated by overnight delivery.* | 584-84-9 | OSHA 42 | HPLC/FL, HPLC/UV | AIHA IHLAP |
| **2,6-TDI (Toluene Diisocyanate)**<br>*Ship samples refrigerated by overnight delivery.* | 91-08-7 | OSHA 42 | HPLC/FL, HPLC/UV | AIHA IHLAP |
| **Tellurium** | 13494-80-9 | NIOSH 7300M | ICP-AES | AIHA IHLAP |
| 1,1,2,2-Tetrabromoethane | 79-27-6 | NIOSH 2003 | GC/FID | Not accredited |
| Tetraethyl Lead (as Pb) | 78-00-2 | NIOSH 2533 | GC/PID | Not accredited |
| **Tetrahydrofuran** | 109-99-9 | NIOSH 1609 | GC/FID | AIHA IHLAP |
| **Thallium** | 7440-28-0 | NIOSH 7300M | ICP-AES | AIHA IHLAP |
| **Tin** | 7440-31-5 | OSHA ID-125G (mod.) | ICP-AES | AIHA IHLAP |
| **Titanium** | 7440-32-6 | OSHA ID-125G (mod.) | ICP-AES | AIHA IHLAP |
| **Toluene** | 108-88-3 | NIOSH 1501 | GC/FID | AIHA IHLAP |

| Analyte | CAS # | Method | Technique | Accreditation |
|---|---|---|---|---|
| **Toluene** | 108-88-3 | OSHA 111 | GC/FID | AIHA IHLAP |
| **Toluene** | 108-88-3 | OSHA 4000 | GC/FID | AIHA IHLAP |
| **o-Toluidine** | 95-53-4 | NIOSH 2002 | GC/FID | AIHA IHLAP |
| **1,1,2-Trichloroethane** | 79-00-5 | NIOSH 1003 | GC/FID | AIHA IHLAP |
| **Trichloroethylene (TCE)** | 79-01-6 | NIOSH 1022 | GC/FID | AIHA IHLAP |
| Triethanolamine | 102-71-6 | OSHA CSI | GC/FID | Not accredited |
| Triethylamine | 121-44-8 | OSHA CSI | GC/FID | Not accredited |
| **Triethylene Glycol**<br>*Also see Glycol Profile.* | 112-27-6 | NIOSH 5523 | GC/FID | AIHA IHLAP |
| **Trimethylbenzene, Total** | N/A | NIOSH 1501 | GC/FID | AIHA IHLAP |
| Tungsten | 7440-33-7 | NIOSH 7074 | ICP-AES | Not accredited |
| Turpentine | 8006-64-2 | NIOSH 1551 | GC/FID | Not accredited |
| **Vanadium** | 7440-62-2 | NIOSH 7300M | ICP-AES | AIHA IHLAP |
| **Vinyl Acetate**<br>*Ship samples refrigerated by overnight delivery.* | 108-05-4 | NIOSH 1453 | GC/FID | AIHA IHLAP |
| Vinyl Bromide | 593-60-2 | NIOSH 1009 | GC/FID | Not accredited |
| **Vinyl Chloride**<br>*Ship samples refrigerated by overnight delivery.* | 75-01-4 | NIOSH 1007 | GC/FID | AIHA IHLAP |
| **Vinyl Toluene** | 25013-15-4 | NIOSH 1501 | GC/FID | AIHA IHLAP |
| **Vinylidene Chloride** | 75-35-4 | NIOSH 1015 | GC/FID | AIHA IHLAP |
| **VOCs (Summa canister)**<br>*See VOC Profile.* | N/A | EPA TO-15 | GC/MS | AIHA IHLAP |
| **Welding Fume Particulates (total)** | N/A | NIOSH 0500 | Gravimetric | AIHA IHLAP |
| **Wood Dust** | N/A | NIOSH 0500 | Gravimetric | AIHA IHLAP |
| **Xylenes** | 1330-20-7 | NIOSH 1501 | GC/FID | AIHA IHLAP |
| **Xylenes** | 1330-20-7 | OSHA 1002 | GC/FID | AIHA IHLAP |
| **Yttrium** | 7440-65-5 | NIOSH 7300M | ICP-AES | AIHA IHLAP |
| **Zinc** | 7440-66-6 | NIOSH 7300M | ICP-AES | AIHA IHLAP |
| **Zinc Oxide** | 1314-13-2 | NIOSH 7300M | ICP-AES | AIHA IHLAP |
| **Zirconium** | 7440-67-7 | NIOSH 7300M | ICP-AES | AIHA IHLAP |

# Profiles

Grouped analyses ordered as a single test. Accreditation applies to the method shown; analytes outside a method's accredited scope are reported as non-accredited.

## Asbestos

| Analysis | Method | Technique | Sample media | Volume / flow | Accreditation |
|---|---|---|---|---|---|
| Asbestos – Bulk ID | EPA 600/R-93/116 | PLM | Double plastic bag (5–10 g) | – | NVLAP · PJLA |
| Asbestos – Bulk Point Count | EPA 600/R-93/116 | PLM | Double plastic bag | – | NVLAP · PJLA |
| Asbestos – Fiber Count (air) | NIOSH 7400 | PCM | 25 mm MCE, 0.8 µm, 50 mm conductive cowl | 480–1,000 L at 0.5–16 L/min | AIHA · PJLA |

## Indoor Air Quality

| Profile | Analyte(s) | Sample | Method | Technique | Accreditation |
|---|---|---|---|---|---|
| Dust | Respirable / Total | Air | NIOSH 0600 / NIOSH 0500 | Gravimetric | AIHA IHLAP |
| Formaldehyde | Formaldehyde | Air | NIOSH 2016 / OSHA 1007 | HPLC/UV | AIHA IHLAP |
| Mold | Spore count & ID (non-viable) | Spore trap cassette | SOP 057.08 | Direct microscopy | AIHA EMLAP |
| Mold | Direct exam (non-viable) | Tape lift, swab, bulk | SOP 056.07 | Direct microscopy | AIHA EMLAP |
| VOCs | EPA TO-15 list (below) | Summa canister | EPA TO-15 | GC/MS | AIHA IHLAP |
| VOCs | EPA TO-15 list (below) | Thermal desorption tube | EPA TO-17 | GC/MS | Not accredited |

**TO-15 / TO-17 target list:** 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloro-1,2,2-trifluoroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromoethane, 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,2-Dichlorotetrafluoroethane, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Benzene, Bromomethane, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloromethane, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Dichlorodifluoromethane, Ethylbenzene, Hexachlorobutadiene, m- & p-Xylenes, Methylene chloride, o-Xylene, Styrene, Tetrachloroethene, Toluene, trans-1,3-Dichloropropene, Trichloroethene, Trichlorofluoromethane, Vinyl chloride.

## Inorganic Profiles

| Profile | Analytes | Sample media | Volume / flow | Method | Technique | Accreditation |
|---|---|---|---|---|---|---|
| Inorganic Acids (volatile) | HBr, HCl, $HNO_3$ | Silica gel tube (SKC 226-10-03) | 100 L at 0.2–0.4 L/min | NIOSH 7907 | IC | AIHA IHLAP |
| Inorganic Acids (non-volatile) | $H_2SO_4$, $H_3PO_4$ | Treated filter | Per method | NIOSH 7908 / OSHA ID-165SG | IC | AIHA IHLAP |
| Hydrofluoric Acid / Fluorides | HF, particulate fluorides | NaF-treated filter | Per method | NIOSH 7906 | IC | AIHA IHLAP |
| Solder Metals | As, Be, Cd, Cu, Pb, Se, Ag, Tl, Sn | Filter cassette (SKC 225-3-01) | 480–960 L at 0.2–0.4 L/min | OSHA ID-206 | ICP-AES | Not accredited |
| Trace Metals | As, Be, Cd, Cr, Pb, V | 37 mm MCE cassette (SKC 225-3-01) | 400 L at 1–3 L/min | NIOSH 7300M / 7303 | ICP-AES | AIHA IHLAP |
| Welding Fume Metals (air) | Al, Sb, Be, Cd, Co, Cu, Fe, Pb, Mn, Mo, Ni, Ti, V, Zn + total particulate | 37 mm MCE cassette (SKC 225-3-01) | 960 L at 2.0 L/min | OSHA ID-125G (mod.) / NIOSH 0500 | ICP-AES / Gravimetric | AIHA IHLAP |

| Profile | Analytes | Sample media | Volume / flow | Method | Technique | Accreditation |
|---|---|---|---|---|---|---|
| Welding Fume Metals (bulk, wipe) | As above | ~2 g bulk; 100 cm² wipe | – | OSHA ID-125G (mod.) | ICP-AES | Not accredited |

## Organic Profiles

| Profile | Analytes | Sample media | Volume / flow | Method | Technique | Accreditation |
|---|---|---|---|---|---|---|
| Aldehydes (speciation) | Acetaldehyde, acrolein, benzaldehyde, butyraldehyde, formaldehyde, isovaleraldehyde, propionaldehyde | DNPH cartridge (SKC 226-119) | 16–30 L at 0.2–1.0 L/min | EPA TO-11 | HPLC/UV | AIHA IHLAP |
| Aldehydes (screen) | 12-analyte aldehyde screen | 2-HMP / XAD-2 tube | Per method | NIOSH 2539 | GC/FID | AIHA IHLAP |
| Glutaraldehyde | Glutaraldehyde | DNPH-treated filter | Per method | OSHA 64 | HPLC/UV | AIHA IHLAP |
| Aromatic Hydrocarbons | Benzene, chlorobenzene, cumene, o-/p-dichlorobenzene, ethylbenzene, α-methyl styrene, naphthalene, p-tert-butyl toluene, styrene, toluene, vinyl toluene, xylene | Charcoal tube (SKC 226-01) | 10 L at 0.1–0.5 L/min | NIOSH 1501 | GC/FID | AIHA IHLAP |
| BTEX | Benzene, ethylbenzene, toluene, xylenes | Charcoal tube (SKC 226-01) | 5–15 L at 0.05–0.2 L/min | NIOSH 1501 | GC/FID | AIHA IHLAP |
| Total Hydrocarbons (THC) | Total hydrocarbon as n-hexane | Charcoal tube (SKC 226-01) | 5–15 L at 0.05–0.2 L/min | NIOSH 1500 | GC/FID | AIHA IHLAP |
| Diisocyanates | HDI, 2,4-TDI, 2,6-TDI | 1-2PP coated filter (SKC 225-9002) | 15–240 L at 1 L/min | OSHA 42 | HPLC/FL, HPLC/UV | AIHA IHLAP |
| Diisocyanates | MDI | Coated filter | Per method | OSHA 47 | HPLC/FL | Not accredited |
| Glycols | Butylene, diethylene, ethylene, triethylene glycol | OVS tube (SKC 226-57) | 5–60 L at 0.2–2.0 L/min | NIOSH 5523 | GC/FID | AIHA IHLAP |
| Organic Solvent Screen | Acetone, benzene, butyl acetate, MEK, MIBK, methylene chloride, hexane, toluene, xylenes and others | Charcoal tube (SKC 226-01) | 3–10 L at 0.02–0.1 L/min | OSHA 7M | GC/FID | Not accredited |
| Organochlorine Pesticides | Aldrin, BHC isomers, chlordane, DDD/DDE/DDT, dieldrin, endosulfans, endrin, heptachlor, methoxychlor | PUF (SKC 226-92 / 226-124) | 240–7,200 L at 1–5 L/min | EPA TO-10A | GC/ECD | Not accredited |
| PNAs (PAHs) | 17 PAHs incl. benzo(a)pyrene, naphthalene, phenanthrene, pyrene | Filter + XAD-2 tube (SKC 225-17-07 / 226-30-04) | 200–1,000 L at 2 L/min | NIOSH 5506 | HPLC/UV/FL | AIHA IHLAP |
| PCBs | Aroclor 1016, 1221, 1232, 1242, 1248, 1254, 1260 | Filter + Florisil tube (SKC 226-39) | 50 L at 0.05–0.2 L/min | NIOSH 5503 | GC/ECD | AIHA IHLAP |

# AIHA LAP-101470 — Accredited Scope at a Glance

Certificate issued 09/30/2026 · Scope issue date 03/05/2026 · IHLAP and EMLAP expire 01/01/2027. 117 IHLAP method entries plus 5 EMLAP entries. “M” = modified method; a modified version is accredited only where it is listed.

| Platform | Entries | Accredited methods |
|---|---|---|
| GC/FID | 81 | NIOSH 1001, 1003, 1005, 1007, 1010, 1015, 1022 (each + M), 1024, 1300, 1301, 1400, 1401, 1402, 1403 (each + M), 1450, 1452, 1453, 1454, 1457, 1458 (+ M except 1450), 1500, 1501 (+ M), 1550, 1552, 1603, 1604 (+ M), 1606, 1609, 1610 (+ M), 1611, 1612, 1613 (+ M), 1614 M, 1615 (+ M), 2000, 2002, 2012, 2500, 2537, 2539, 2541, 2546, 2553, 2562 (+ M), 5020, 5523; OSHA 1002, 1005, 111, 19 (+ M), 4000, 72 |
| GC/MS | 2 | EPA 325B, EPA TO-15 |
| GC/ECD & diffusive | 2 | NIOSH 5503 (PCBs); in-house organic hydrocarbons in badges by GC |
| Ion chromatography | 10 | NIOSH 6004, 6011, 7906, 7907, 7908; OSHA 214, ID-165SG, ID-186SG, ID-215 (v2), PV2119 |
| HPLC (UV, FL) | 7 | OSHA 42 (FL and UV), EPA TO-11, NIOSH 2016, NIOSH 5506, OSHA 1007, OSHA 64 |
| ICP-AES | 4 | NIOSH 7300 Modified, NIOSH 7303, NIOSH 9100, OSHA 125G Modified |
| XRD | 4 | NIOSH 7500 and OSHA ID-142 (v4) — quartz and cristobalite |
| CVAA | 3 | NIOSH 6009, OSHA ID-140, OSHA ID-145 |
| Gravimetric | 2 | NIOSH 0500, NIOSH 0600 |
| UV/VIS | 1 | NIOSH 6015 (ammonia) |
| PCM | 1 | NIOSH 7400 |
| EMLAP | 5 | Legionella culture SOP 152.04 and SOP 195 (CDC-508 based); fungal direct examination – air SOP 057.08, bulk and surface SOP 056.07 |

Not on any AGT Labs scope: fungal culture, PCR/qPCR, ERMI, TEM, environmental lead (EPA/HUD paint, soil or dust-clearance analysis — requires an NLLAP lab), noise dosimetry and WBGT readings.

# Terms and Abbreviations

**CVAA** Cold vapor atomic absorption · **ECD** Electron capture detector · **EMLAP** AIHA Environmental Microbiology LAP · **FID** Flame ionization detector · **FL** Fluorescence detector · **GC** Gas chromatography · **GFAA** Graphite furnace atomic absorption · **HPLC** High-performance liquid chromatography · **IC** Ion chromatography · **ICP-AES** Inductively coupled plasma atomic emission spectroscopy · **IHLAP** AIHA Industrial Hygiene LAP · **ISE** Ion-selective electrode · **M / mod.** Modified method · **MCE** Mixed cellulose ester · **MS** Mass spectrometry · **NPD** Nitrogen-phosphorus detector · **OVS** OSHA versatile sampler · **PCM** Phase contrast microscopy · **PID** Photoionization detector · **PLM** Polarized light microscopy · **PUF** Polyurethane foam · **UV/VIS** Ultraviolet/visible spectrophotometry · **XRD** X-ray diffraction