

PRICING SCHEDULE FOR LABORATORY SERVICES

AMERICAN INDUSTRIAL HYGIENE ASSOCIATION LABORATORY ACCREDITATION PROGRAM, LLC (LAB ID 100124) ISO 17025 COMPLIANT¹

ORGANIC VAPORS AND GASES BY GAS CHROMATOGRAPHY

Organic solvent vapors collected on charcoal or passive monitor³

• First component (includes front and rear section)	\$ 50.00
• Each additional component on same sample tube or badge	\$26.00
• 10 component common organic scan (on charcoal tube with carbon disulfide desorption)	\$264.00

Anesthetic gases (halothane, methoxyflurane, enflurane, isoflurane)

• First component	\$62.00
• Each additional component on same tube	\$35.00

1, 3 - Butadiene ²	\$65.00
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Dibromochloropropane (DBCP)	\$53.00
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1, 1 - Dichloro - 1 - Fluoroethane (Freon 141B)	\$53.00
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Ethylene oxide (OSHA 50) ²	\$87.00
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GC Scan (qualitative only)	\$70.00
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Petroleum distillates ⁴ Including one of the following: VMP naphtha, stoddard solvent, mineral spirits or kerosene	\$70.00
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• Each additional petroleum distillate on same tube	\$50.00
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1, 1, 1, 2 - Tetrafluoroethane (Freon 134A) ²	\$62.00
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Vinyl chloride monomer ²	\$62.00
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Note: Tandem samples will be analyzed and charged as two separate samples.

SPECIALTY ORGANICS BY GAS CHROMATOGRAPHY

Acrylamide	\$93.00
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Biphenyl	\$62.00
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Diamylamine ²	\$110.00
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Dibutylamine ²	\$110.00
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Diethylamine ²	\$110.00
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Diisobutylamine ²	\$110.00
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Dibutyl phthalate	\$72.00
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N,N - Dimethylacetamide	\$66.00
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Dimethyl formamide	\$66.00
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Dioctyl phthalate	\$72.00
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SPECIALTY ORGANICS BY GAS CHROMATOGRAPHY (CONTINUED)

Furfural	\$72.00
Glycols (ethylene, propylene, or hexylene)	\$72.00
Methanol	\$50.00
Morpholine	\$110.00
N - Methyl - 2 - Pyrrolidone	\$51.00
N - Vinyl - 2 - Pyrrolidone	\$51.00
Naphthalene (OSHA 35)	\$60.00
Nitrobenzene	\$60.00
Paraffin wax fume	\$70.00
Phenyl ether/diphenyl	\$70.00
Triethylamine ²	\$110.00
Trimethylamine ²	\$110.00

GAS CHROMATOGRAPHY/MASS SPECTROMETRY

Organic compound scan - identification of major components	\$195 per hr.
Organic compound identification from GC analysis	\$195 per hr.

The laboratory is capable of performing mass spectrometric identifications as well as special studies. This service is available at an hourly rate of \$195. Estimates are available upon request and vary depending on level of service.

COMMON METALS BY INDUCTIVELY COUPLED PLASMA

Aluminum	Calcium	Magnesium	Tellurium	
Antimony	Chromium	Manganese	Tin	
Arsenic	Cobalt	Molybdenum	Titanium	
Barium	Copper	Nickel	Vanadium	
Beryllium	Iron	Selenium	Zinc	
Cadmium	Lead	Silver		
• First component				\$35.00
• Each additional metal				\$22.00
• ICP Welding Fume Scan (OSHA ID - 125) - includes antimony, beryllium, cadmium, chromium, cobalt, copper, iron, lead, manganese, molybdenum, nickel, vanadium, zinc and total welding fume particulate				\$170.00
Mercury on sorbent tube				\$60.00
Platinum				\$66.00
Potassium hydroxide (analyzed as potassium)				\$41.00
Sodium hydroxide (analyzed as sodium)				\$41.00
Titanium dioxide (analyzed as titanium; separate sample required)				\$77.00

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COMMON METALS BY INDUCTIVELY COUPLED PLASMA (CONTINUED)

Total welding fume with constituent metals	
• First metal and gravimetric	\$59.00
• Each additional metal on same cassette	\$22.00
Tungsten Carbide* (separate sample required)	\$100.00
Beryllium oxide	\$50.00
Bulk sample preparation	\$20.00
Wipe sample preparation	\$20.00

CRYSTALLINE SILICA

X-Ray Diffraction	
• Gravimetric determination	\$22.00
• Quartz determination	\$75.00
• Cristobalite determination	\$75.00
• Quartz and cristobalite determination	\$90.00
• Cleanup procedure	\$35.00
• Bulk prep charge	\$35.00

GRAVIMETRIC DETERMINATION

Total or respirable dust	\$22.00
Inhalable dust	\$45.00
Total welding fume without constituent metals	\$24.00
Oil mist - gravimetric only	\$22.00
Metalworking fluids	
• Dust component (on PTFE)	\$24.00
• MWF extraction	\$65.00

PASSIVE MONITOR PRICING

Media only	
3M 3500 Organic vapor monitor	\$15.00
3M 3520 Organic vapor monitor	\$18.00
Passive formaldehyde badge	\$19.00
Passive ozone badge	\$23.00

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HIGH PERFORMANCE LIQUID CHROMATOGRAPHY	
Acetaldehyde ²	\$80.00
Acrylic acid ²	\$80.00
Aldehyde Scan ² - Includes any 5 aldehydes listed below.	\$250.00
Anisidine ²	\$80.00
Benzaldehyde	\$80.00
Bisphenol A	\$80.00
Butyraldehyde ²	\$80.00
Caprolactam ²	\$85.00
Captan ²	\$85.00
Catechol	\$85.00
Cresols ²	\$85.00
Crotonaldehyde ²	\$80.00
Diethanolamine, Ethanolamine ²	
• Single analyte	\$88.00
• Both analytes	\$125.00
Formaldehyde - passive badge ³	\$70.00
• Additional aldehydes on badge	\$40.00
Formaldehyde - NIOSH 2016 (DNPH media tube)	\$80.00
Glutaraldehyde	\$80.00
Hydroquinone	\$80.00
Isocyanates (TDI, MDI, IPDI, HDI, HMDI)	
• First component	\$85.00
• Additional component	\$55.00
Methacrylic acid	\$85.00
4,4' - Methylenedianiline (MDA) ²	\$85.00
Phenol ²	\$85.00
Thiram ²	\$85.00

ION CHROMATOGRAPHY	
Hydrochloric, nitric, hydrofluoric, sulfuric, phosphoric acids (chloride, nitrate, fluoride, sulfate, phosphate)	
• First component	\$62.00
• Each additional ion on same tube	\$38.00
• Inorganic acid scan (HF, HCl, HNO ₃ , H ₃ PO ₄ , H ₂ SO ₄)	\$176.00
Hexavalent chromium (OSHA ID - 215)	\$70.00
Ozone - OSHA ID214	\$70.00

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WET CHEMICAL ANALYSIS

Ammonia - modified OSHA ID 188 (solid sorbent tube)	\$60.00
Coal tar pitch volatiles ² (benzene solubles) - gravimetric	\$66.00
Ion selective electrode ² (chlorine, cyanide)	\$65.00
pH	\$33.00

FIBER COUNTS

Fiber counts by phase contrast microscopy	\$41.00
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DISCOUNT AND EXPRESS SERVICE SCHEDULE

Discounts: 10 and over samples deduct 10%. Applies only to same analyte and to samples received in a single project.

Discounts can also be negotiated for guaranteed large quantity submissions. Please contact us for a quote.

Express service: prior arrangement with laboratory necessary:

Guaranteed 5-day turnaround	add 25%
48-hour turnaround	add 50%
24-hour turnaround	add 100%

LABORATORY POLICIES

Charges will be made for the analysis of field blanks, since they are handled as samples. Good industrial hygiene practice suggests a minimum of one field blank per ten samples for each type of analysis.

There are no hidden charges. Our prices include desorption efficiencies, faxing, verbal and/or electronic transmission of lab reports, and cost of sampling media. Passive diffusion monitors are extra (see passive monitor pricing). If media isn't returned to us for analysis within 60 days, charges will be made for unreturned supplies.

Minimum charge for laboratory service is:
\$100.00

The laboratory reserves the right to subcontract work to other AIHA Accredited Laboratories, if necessary.

Special laboratory investigations conducted at an hourly rate of \$195.00.

The laboratory reserves the right to increase the listed price for routine samples if analytical problems are encountered through sample matrix interferences or there's a variation in the method. The client will be contacted to discuss the additional charges should a problem exist.

To determine turnaround time for rush requests, samples received after 12:00 p.m. will be considered as received the next workday.

Sampling supplies are shipped by UPS Ground at no charge. Priority shipping is available at an additional cost (minimum charge: \$10.00).

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EQUIPMENT RENTAL	DAILY	WEEKLY
Air sampling		
Gilian/SKC Air Sampling Pumps with Calibrator and Charger SINGLE PUMP	\$ 50.00	\$ 85.00
Gilian/SKC Air Sampling Pump Kit (5 pumps/kit)	\$250.00	\$425.00
TSI Calibrator	\$ 50.00	\$125.00
BGI cyclone - 2.2 L/min, GK2 cyclone - 4.2 L/min, MSA cyclone - 1.7 L/min	\$ 35.00	\$ 80.00
Impinger	\$ 10.00	\$ 25.00
Sensidyne AP-20S Hand Pump	\$ 25.00	\$ 75.00
Noise		
3M Edge 5 (5 dosimeters/kit)	\$225.00	\$675.00
3M Type 2 SLM	\$ 75.00	\$200.00
Octave Band Analyzer with SLM	\$100.00	\$250.00
Indoor air quality		
Drager X-am 5000 CO/O2 multi-gas meter	\$40.00	\$100.00
Fluke 975 IAQ	\$100.00	\$300.00
Heat Stress Monitor (WBGT)	\$ 65.00	\$150.00
Personal Heat Stress Monitor	\$ 65.00	\$150.00
Zefon Bio Pump	\$ 45.00	\$120.00
Protimeter Moisture Meter	\$ 45.00	\$120.00
Ergonomics		
Digital Force Gauge	\$ 50.00	\$120.00
Slipmeter	\$ 50.00	\$150.00
Hand Dynamometer	\$ 20.00	\$ 60.00
Jamar Pinch Gauge	\$ 20.00	\$ 60.00
Other		
Extech Light Meter	\$ 30.00	\$ 75.00
TSI Velometer	\$ 60.00	\$150.00

RENTAL CHARGES

Calculated based on scheduled date of receipt at client's location to date of return to The Hartford's Risk Engineering laboratory.

EQUIPMENT SHIPPED

Via UPS Ground at no additional charge. Priority shipping available at an additional cost (minimum charge: \$10).

RETURNED EQUIPMENT

Which requires cleaning of parts due to excessive build-up of contaminants will be charged for cleaning.

Any equipment returned damaged will be subject to additional repair charges and cost of replacement parts.

For a complete list of compounds, please visit our Lab Page at thehartford.com/riskengineering. **CALL THE LAB TOLL FREE: 1-800-986-3509.** Lab fax: 1-860-547-6302



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¹ The Hartford's Risk Engineering Laboratory (ID 100124) is accredited by the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC for Industrial Hygiene and Unique Scopes as documented by the Scope of Accreditation Certificate and associated Scope.

² Three sample minimum charge per type of analysis.

³ Does not include cost of monitor.

⁴ Must submit a bulk sample (approx. 5 ml) of pure material to be used as an analytical reference standard.

Prices effective 5/01/15. All prices are subject to change without notice.

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