



Wisconsin Occupational Health Laboratory

WISCONSIN STATE LABORATORY OF HYGIENE
UNIVERSITY OF WISCONSIN-MADISON



2021 Fee Schedule

Prices subject to change without notice.

www.wohl-lab.org

WISCONSIN OCCUPATIONAL HEALTH LABORATORY

FED-EX & UPS

PACKAGES

WOHL
2601 Agriculture Dr
Madison, WI 53718

US MAIL

WOHL
PO Box 7996
Madison, WI
53707-7996

TELEPHONE

608 224-6210
800 446-0403

FAX

608 224-6213

EMAIL

WOHLService@slh.wisc.edu

WEB PAGE

www.wohl-lab.org

WOHL Sampling Guide

For specific sampling guidelines, please refer to the current Sampling Guide. You can access it from our homepage at www.WOHL-lab.com.

Many other types of analyses are offered which are not listed in this fee schedule. Please call the laboratory for details and prices. Some of these analyses may require a minimum of 3 samples. If fewer than 3 samples are received the client will be billed for 3 samples.

Sampling Media Charges

Sampling media costs are included in the listed price with the following exceptions:

Passive VOC Monitors (128)	\$22.00	OVS-2 and OVS-7 Tubes (4, 116)	\$13.00
Air-O-Cell Cassettes (139)	\$5.00	OVS TENAX Tubes (117)	\$19.00
PPI Impactors 2 lpm (175)	\$24.00	DNPH Seppak (138)	\$12.00
PPI Impactors 4 and 8 lpm	\$24.00	UMEX 100 Badge (167)	\$12.00

These costs are in addition to any charges for analysis. Tests that have additional media charges are marked with an “*”.

Equipment Loans Available

The lab maintains equipment for the use of our clients who test only occasionally. The program is free for our clients; however, not all equipment may be available at any given time. If you sample frequently or need a large amount of equipment, please consider purchasing your own. When ordering equipment, please be prepared to give us the flow rate so that we can calibrate the pump(s).

Outgoing, domestic, non-rush shipping of pumps and samplers is free. Any rush shipping charges will be paid by the client. You should request your equipment to be received close to the day of sampling and use and return it as soon as possible so that others may use it.

The customer pays all shipping charges for Anderson Samplers. Overnight shipment recommended.

Air-O-Cell sampling pump
Andersen N6 sampler
Field rotometers

High Volume (10-20 lpm) pumps
MSA Dorr-Oliver cyclones
Personal sampling pumps & accessories

WallChek sampler
Aluminum cyclones

Accelerated Service Procedure

WOHL offers three accelerated service levels: SAME DAY, RUSH or PRIORITY. Requests for these services must be prearranged before shipment of samples by calling **(800) 446-0403 or (608) 224-6210**. Requests for accelerated service without prearrangement will be handled as accelerated samples, but no guarantees will be made as to length of turnaround time.

Levels of Service/Turn Around Time

NORMAL: The fee is the listed price. Turnaround times (TAT) vary with sample type and quantity. Average turnaround is five to ten working days. Samples are usually analyzed in order of receipt or scheduled for most efficient analysis.

PRIORITY: The fee is 1.5 times normal sample price. Priority analysis must be **prearranged** with the analyst. Usual PRIORITY turnaround time (TAT) is two to three working days.

RUSH: The fee per sample is 2 times the normal sample price. Analysis must be **prearranged** with the analyst. Usual RUSH turnaround time (TAT) is one to two working days.

SAME DAY: This level of service is only available for a limited number of analyses. Primary tests are: spore traps, tape lifts and asbestos. Please call lab to see if same day analysis is available.

Our working days are Monday through Friday excluding holidays.

WOHL strives to provide the fastest turnaround possible for all specimens, but some factors affect the availability of accelerated service, including:

- Number of samples. Large quantities take longer to finish.
- Type of sample. Certain sample types take longer to analyze.
- Number of requests per sample. Samples with multiple analyses will take longer.
- Prearrangement. Phoning ahead can place an accelerated order on your samples.

Sample and Data Retention Policy

Our policy is to retain records for the period of time required by our accreditations and by law. Contact the lab to make arrangements for extended storage or transfer. Retention times for samples are as follows:

Bulk Asbestos	1 year	Total Weight Filters	1 year
Air Asbestos Filters	1 year	Desorbed Air Samples	only until results reported
Other Bulk Samples	1 year	ECOC Filters	1 year

Blank Submission Policy

The Wisconsin Occupational Health Laboratory strongly recommends submitting blank sampling media with all types of samples. Blanks added by the lab only correct for background levels of analyte on the media as a result of the manufacturing process and will not correct for additional contamination during handling by the client or shipping. Therefore, please include your own blank when submitting samples. The charge for blanks will be the same as for regular samples as they are analyzed identically.

Minimum Number of Samples

There is no minimum number of samples required for the most common types of analyses. However, for rare and difficult analyses, there is a three sample minimum. Those analyses requiring a three sample minimum are marked with a “③”. If fewer than 3 samples are received, the client will be billed for 3 samples.

Shipping Charges

WOHL uses UPS as its standard courier. There is no charge for shipping supplies by UPS ground within the United States. Other than outgoing overnight shipments for media that must be kept cold, all next day, second day, and international shipment charges will be billed to the customer. Clients will also be billed for shipping agar plates overnight.

Customer Service

Our customer service team can help you order, plan sampling strategies, and interpret reports. Call us at 800-446-0403 or (608) 224-6210. To get the fastest response to your needs, please inform the office staff of the type of assistance you need. They will put you in touch with the staff member who can best meet your needs. You can also email us at the following addresses:

Lab Director.....WOHLdirector@slh.wisc.edu
Customer Service.....WOHLservice@slh.wisc.edu

Billing Information

Invoices are issued at the beginning of the month following completion of testing and/or other charge such as media or shipping. Full payment is due within 30 days from date of invoice.

Submission Information

A submission form is required with all samples. WOHL submission forms are available on our website at www.wohl-lab.com. Please make sure to send a legible physical form with your samples. Please fill out the billing section with the specific, current company name along with the contact information for the person(s) who should be receiving the results report. We issue our reports in pdf format by email.

Bioaerosols

EMPAT AIHA-LAP, LLC Accredited Laboratory #101070

Test Description	Sample Type	Fee
Fungal culture; enumeration and identification to genus level. Some fungi, e.g. <i>Aspergillus</i> , <i>Stachybotrys</i> , <i>Epicoccum</i> , <i>Trichoderma</i> , etc. are identified to the species level. Malt extract agar used. May substitute other agars for xerophilic and hydrophilic fungi. Media provided. ^e Samplers available. ^f	Andersen sample ^e . Other impaction agar methods and contact plates.	46.00
Fungal culture; enumeration and identification to genus level. Some fungi, e.g. <i>Aspergillus</i> , <i>Stachybotrys</i> , <i>Epicoccum</i> , <i>Trichoderma</i> , etc. are identified to the species level. Malt extract agar used. May substitute other agars for xerophilic and hydrophilic fungi. Wipes and containers available ^{af} .	Bulk solids, liquids or wipes ^a	58.00
Fungal culture; enumeration and identification to genus level. Some fungi, e.g. <i>Aspergillus</i> , <i>Stachybotrys</i> , <i>Epicoccum</i> , <i>Trichoderma</i> , etc. are identified to the species level. Malt extract agar used. May substitute other agars for xerophilic and hydrophilic fungi. Cassettes available upon request. ^{af}	Mixed cellulose ester (MCE) filter cassette ^a	46.00
Total spore count and identification. Samples collected by Zefon Air-O-Cell or Burkard Spore Trap. Air-O-Cell pumps available upon request.	Zefon Air-O-Cell Cassettes ^b , Cyclex-d, Micro 5 or Burkard Spore Trap	38.00
Direct microscopic examination. Identification of spores and fungal elements present.	Bulk and wipe samples	38.00
Tape samples; identification and semi-quantitation of spores and fungal elements present. Clear (not frosted) tape should be used. Biotapes available.	Tape samples ^a	38.00

Bioaerosols

Test Description	Sample Type	Fee
Bacterial culture; enumeration and presumptive identification ^d (Gram stain reaction and colony morphology) of three predominant types. Tryptic soy agar used. May substitute blood agar for pathogenic bacteria. Media provided ^e . Samplers available. ^f	Andersen sample Other impaction agar methods and contact plates	46.00
Bacterial culture; enumeration and presumptive identification ^d (Gram stain reaction and colony morphology) of three predominant types. Tryptic soy agar used. May substitute blood agar for pathogenic bacteria. Wipes and containers available. ^{ag}	Bulk solids, liquids or wipes ^a	58.00
Total coliform and <i>E. coli</i>	Bulk solids, liquids or wipes ^a	31.00
Legionella culture, enumeration and identification. CDC method. Sample collection kits available. ^c	Liquids or swabs	115.00
Identification of bacterial and fungal isolates from environmental sources using Biolog Carbon utilization microbial identification system. To genus and species	Isolates from samples above; pure subcultures	68.00/organism

^a Cassettes, wipes, sterile containers and Biotapes for tape preparations are available upon request.

^b Zefon Air-O-Cell cassettes are available for \$5.00 each.

^c Sample collections kits available upon request.

^d Identification to genus and species available for additional charge per organism.

^e Customer pays all shipping charges for sampler and media. Culture media must be sent refrigerated to and from customer by overnight shipment.

^f Further species identification available for an additional charge.

**Accelerated Service for Bioaerosol Direct Reading Samples Only.
Not Applicable for Cultured Samples. Must be prearranged.**

RUSH	1-2 days turnaround time	76.00
PRIORITY	2-3 days turnaround time	57.00
SAME DAY		116.00

Asbestos Analysis

ASBESTOS (Air Fiber Count)	PCM		
Phase Contrast Microscopy		.8μ MCE filter (122)	30.00
Same Day Turnaround			100.00
 ASBESTOS (Bulk)	 PLM		
Polarized Light Microscopy			40.00

Environmental Lead

ELLAP AIHA-LAP, LLC Accredited Laboratory #101070

Lead in soil, paint chips or surface wipes (181)	30.00
Lead in air	35.00

Industrial Hygiene Analysis

ELLAP AIHA-LAP, LLC Accredited Laboratory #101070

Most of the Industrial Hygiene analyses available through WOHL are listed in alphabetical order below. **This list is not all-inclusive.** We also provide specialty scans. Please see page 20 to view some of the most common scans. Please call the lab at 800-446-0403 or (608) 224-6210 if you can't find an analysis you need.

Method Table

Use the following table to determine the instrument used for the analysis.

Culture	Culture Microbiological Analysis	IC	Ion Chromatography
CVAA	Cold Vapor Atomic Absorption	ISE	Ion Selective Electrode
ECOC	Elemental/Organic Carbon Analyzer	LC	Liquid Chromatography
FAA	Flame Atomic Absorption	PCM	Phase Contrast Microscopy
GC	Gas Chromatography	PLM	Polarized Light Microscopy
GFAA	Graphite Furnace Atomic Absorption	UVV	UV-Visible Spectroscopy
GRAV	Gravimetric	XRD	X-Ray Diffraction
		ICP	Inductively Coupled Plasma

ANALYTE	METHOD	MEDIA (#)	FEE
ACETIC ANHYDRIDE	GC	VA filters (111)	125.00 ^③
ACETONE	GC	ORBO 91(45)	50.00
ACETONITRILE	GC	Charcoal tube (1,2)	74.00
ACIDS	IC	Acid mist tube (6). H ₃ PO ₄ and H ₂ SO ₄ can be collected on MCE(14)	
<i>Inorganic:</i> Fluoride (HF), chloride (HCl), nitrate (HNO ₃), phosphate (H ₃ PO ₄), sulfate (H ₂ SO ₄), bromide (HBr)			
		First anion	52.00
		Each additional	23.00
<i>Organic:</i> Propionic, butyric, citric, acetic, formic acids			
		First anion	52.00
		Each additional	23.00
		Inorganic Acid Mist Scan I: fluoride (HF), chloride (HCl), nitrate (HNO ₃), phosphate (H ₃ PO ₄), sulfate (H ₂ SO ₄), bromide (HBr)	113.00
		Organic Acid Mist Scan IV: formic acid, acetic acid, propionic acid, butyric acid, citric acid	113.00
		Bulk sample preparation	Add 55.00
ACRYLAMIDE	GC	OVS-7 tube(116)*	85.00
ACRYLIC ACID	LC	Anasorb 708 (121)	87.00 ^③
ACRYLONITRILE	GC	Charcoal tube(1,2)	74.00
ALCOHOLS (See Solvents)	GC	Large Anasorb 747 tube (174)	50.00
ALDEHYDES	LC	DNPH cartridge(138)* or UMEX badge (167*)	
		First aldehyde	89.00
		Each additional	47.00

ANALYTE	METHOD	MEDIA (#)	FEE
TO-11 Scan:			295.00
Acetaldehyde, acetone, benzaldehyde, butyraldehyde, 2, 5-dimethylbenzaldehyde, formaldehyde, hexanaldehyde, isovaleraldehyde, methyl ethyl ketone, propionaldehyde, m & p-tolualdehyde, o-tolualdehyde, valeraldehyde			
ALDEHYDES-OSHA 52	GC	formaldehyde tube (10)	
Acrolein, acetaldehyde, formaldehyde			
		First aldehyde	66.00
		Each additional	26.00
AMINES	IC	H ₃ PO ₄ coated XAD-7 tube(63)	
<i>Ethanolamines:</i> (ethanolamine, diethanolamine, triethanolamine)			
		First Amine	112.00③
		Each additional	36.00
<i>Low Molecular Weight Aliphatic Amines:</i> (diethylamine, dimethylamine, dimethylethylamine, ethylamine , methylamine, trimethylamine, trimethylamine)			
		First amine	112.00③
		Each additional	36.00
		Ethanolamine Scan: see list above	147.00
		Low Molecular Weight Aliphatic Amines Scan: see list above	220.00
AMINES	GC	H ₃ PO ₄ coated XAD-7 (63)	
Diethylaminoethanol, dimethylaminoethanol,cyclohexylamine, methylmorpholine, diisopropylamine			
		Each amine	145.00③
AMINES	LC	NITC tubes(47)	
Ethylene diamine, diethylenetriamine, triethelenetetramine, tetraethylenepentamine			
		Each amine	113.00③

ANALYTE	METHOD	MEDIA (#)	FEE
AMMONIA	IC	Treated tube(19)	57.00
ASBESTOS (Air Fiber Count)	PCM		
Phase Contrast Microscopy		PCM filter(22)	30.00
ASBESTOS (Bulk)	LM		
Polarized Light Microscopy			40.00
ASPHALT FUMES (as benzene solubles)	GRAV	Glass fiber filter(9)	75.00③
AZIDES, HYDROZOIC ACID	IC	Special tube(155)	113.00③
BACTERIA (see page 4 and 5)	CUL	Media plate	46.00
		Bulk, wipe	58.00
BENZENE	GC	Charcoal tube (1,2), badge (128*)	50.00
BENZOPHENONE	GC	Chromosorb 106 tube(13)	87.00
BENZOYL PEROXIDE	LC	Unweighed Teflon filter(18)	87.00③
BISPHENOL A	LC	Glass fiber filter(9)	87.00③
BORON TRIFLUORIDE	ISE	Impinger	90.00③
BROMINE	IC	Ag filter(71)	74.00
BROMOPROPANE (1-)	GC	Charcoal tube (1,2), badge (128*)	50.00
BTEX (benzene, toluene, ethyl benzene & xylene)	GC	Charcoal tube(1,2), badge(128*)	116.00
BUTADIENE	GC	TBC charcoal tube(112)	50.00
BUTOXYETHANOL(2-)	GC	Charcoal tube(1,2), badge(128*)	50.00
BUTYL ACETATE	GC	Charcoal tube (1,2), badge (128*)	50.00
CAPROLACTAM	LC	OVS-7 tube(116)*	87.00③
CARBON BLACK (OSHA THF extract.)	GV	preweighed PVC filter (15,160)	74.00
CARBON DIOXIDE	GC	Mini-can(156)	82.00
CARBON MONOXIDE	GC	Mini-can(156)	82.00

ANALYTE	METHOD	MEDIA (#)	FEE
CHLORAMINES	IC	chloramine filter(129)	130.00③
CHLORINE	IC	Ag filter (71)	74.00
CHLORINE DIOXIDE	IC	Special impinger solution(93)	74.00③
o-CHLOROBENZYLIDENE MALONITRILE	LC	Teflon filter and tenax tube(42)	112.00③
CHLOROTRIFLUOROMETHYL BENZENE	GC	Charcoal tube (1,2), badge (128*)	50.00
COAL TAR PITCH VOLATILES	GV	Glass fiber filter(9)	75.00③
plus OSHA 58 (5 PAHs)	LC		280.00③
COATINGS (EPA method 24 or 24A)	GC	Double seal can	304.00
CRESOL	LC	XAD-7 tube (27)	90.00
CRISTOBALITE (See Silica)	XRD	PVC filter(15, 160, 175*)	See silica
CUMENE (ISOPROPYL BENZENE)	GV	Charcoal tube (1,2), badge (128*)	50.00
CYANIDE/HYDROGEN CYANIDE	IC UVV	Soda lime tube(44)	90.00③
CYCLOHEXANE	GC	Charcoal tube (1,2), badge (128*)	50.00
CYCLOHEXANONE	GC	Chromosorb 106 (13)	50.00
DESFLURANE	GC	Charcoal tube (1,2), badge (128*)	50.00
DIACETYL	GC	2 silica gel tubes(169)	105.00
DIESEL EXHAUST (Elemental Carbon)	ECOC	Quartz filter(120)	66.00
		SKC impactor	100.00
DIISOBUTYL KETONE	GC	Charcoal tube (1,2), badge (128*)	50.00
DUST (Respirable or Total)	GV	preweighed PVC filter(15, 175*)	25.00
ELEMENTAL CARBON	ECOC	Quartz filter(120)	66.00
		SKC impactor	100.00
ENFLURANE	GC	Charcoal tube (1,2), badge (128*)	50.00

ANALYTE	METHOD	MEDIA (#)	FEE
ETHYL ACETATE	GC	Charcoal tube (1,2), badge (128*)	50.00
ETHYL ALCOHOL	GC	Anasorb 747 (174)	50.00
ETHYL BENZENE	GC	Charcoal tube (1,2), badge (128*)	50.00
ETHYLCYANOACRYLATE	LC	H ₃ PO ₄ treated XAD 7 tube (63)	113.00③
ETHYLENE GLYCOL	GC	OVS-7 tube (116)*	79.00
ETHYLENE OXIDE	GC	HBr treated charcoal tube (66)	135.00③
FIBERGLASS	PCM	PCM filter (22)	30.00
FLUORIDE/HYDROGEN FLUORIDE	ISE	F/HF Filter (74)	136.00③
FORMALDEHYDE	GC	HMP treated XAD-2 tube (10)	66.00
	LC	DNPH Sep-Pack(138)* or Badge(167)*	89.00
GASES	GC	Mini-can(156)	82.00
Carbon dioxide, carbon monoxide, nitrous oxide, methane, propane. Call lab for gases not listed			
GLUTARALDEHYDE	LC	DNPH coated glass fiber filter (70)	89.00
GLYCOL ETHERS (See Solvents)			
HALOTHANE	GC	Badge (128*), small Anasorb 747 tube (103)	50.00
HEXANE	GC	Charcoal tube (1,2), badge (128*)	50.00
HEXAVALENT CHROMIUM	IC	PVC filter(86), NaOH Quartz filter (159), 25mm PVC (161)	73.00
		Additional charge for analysis on paint-related samples	37.00
HYDROCARBONS	GC	Charcoal tube or badge(1,2,128*)	50.00
HYDROGEN PEROXIDE	UVV	Hydrogen peroxide filter (177)	65.00③
HYDROGEN SULFIDE	IC	Large Anasorb 747 tube(174)	74.00③

ANALYTE	METHOD	MEDIA (#)	FEE
HYDROQUINONE	LC	H ₃ PO ₄ coated XAD-7 tube (63)	90.00 ^③
HYDROZOIC ACID, AZIDES	IC	Special tube (155)	113.00 ^③
IODINE	ISE	SO ₂ tube (106)	90.00 ^③
ISOCYANATES	LC	Treated glass fiber filter (124)	
Hexamethylene Diisocyanate (HDI); Homopolymer of HDI, Isophorone Diisocyanate (IDI), Methylene Biscyclohexyl Isocyanate (DESW/HDMI), Methylene Bisphenyl Isocyanate (MDI); Polymeric MDI (PAPI), 2,4-Toluene Diisocyanate, 2,6-Toluene Diisocyanate.			
		First isocyanate	99.00
		Each additional	49.00
		Isocyanate Scan: see list above.	199.00
ISOFLURANE	GC	Anasorb 747 tube (103), badge (128*)	50.00
ISOPROPYL BENZENE (CUMENE)	GC	Charcoal tube (1,2), badge(128*)	50.00
LEAD (Environmental)	ICP	Paint, Soil, Wipe (181)	30.00
LEGIONELLA (water, wipes, swabs)	Culture	Legionella kit (146)	115.00
LIMONENE	GC	Charcoal tube (1,2), badge(128*)	50.00
MEK (2-butanone)	GC	ORBO 91 tube(45),badge (128*)	50.00
MEK PEROXIDE	UVV	XAD-4 tube(38)	99.00 ^③
MALEIC ANHYDRIDE	LC	Call for sampling instructions	125.00 ^③
MERCURY	CVAA	Tube (83)	49.00 ^③
		Bulk or wipe (131)	62.00 ^③

METALS (see page 24 for scan details) ICP MCE (14), PVC (15,160,175),
Wipes(131, 181) & Bulks

Al Aluminum	Ca Calcium	Fe Iron	Ni Nickel	Sr Strontium
As Arsenic	Cd Cadmium	Li Lithium	Pb Lead	Ti Titanium
B Boron	Co Cobalt	Mg Magnesium	Sb Antimony	Tl Thallium
Ba Barium	Cr Chromium	Mn Manganese	Se Selenium	V Vanadium
Be Beryllium	Cu Copper	Mo Molybdenum	Sn Tin	Zn Zinc
Bi Bismuth				

Any combination of the following metals may be included in a multi-component analysis:

Al, As, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Li,
Mg, Mn, Mo, Ni, Pb, Sb, Se, Sn, Sr, Ti, Tl, V, Zn

If heat is involved in the process and oxides are required, please request a fumes analysis. Also, not all oxides are soluble per our scan method. Please contact the lab if your oxide is not listed here: CaO, Fe₂O₃, MgO, ZnO,

First component	35.00
Each additional component	6.00
add additional for bulk prep	10.00
add additional for weights on preweighed PVC	25.00
Basic metals scan dust (Al, As, Cr, Cu, Fe, Mg, Mn, Ni, Pb, Zn)	80.00
Basic metals scan fumes (Al, As, Cr, Cu, Fe ₂ O ₃ , MgO, Mn, Ni, Pb, ZnO)	80.00
Expanded metals scan dust (Basic Scan metals plus: Be, Cd, Co, Mo, Sb, Ti, V)	119.00
Expanded metals scan fumes (Basic Scan fumes plus: Be, Cd, Co, Mo, Sb, Ti, V)	119.00
Full metals scan dust (Basic and Expanded Scan metals plus: Ba, Bi, B, Ca, Li, Se, Sr, Tl, Sn)	179.00
Full metals scan dust (Basic and Expanded Scan fumes plus: Ba, Bi, B, Ca, Li, Se, Sr, Tl, Sn)	179.00

ANALYTE	METHOD	MEDIA (#)	FEE
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Non-Routine Elements & Compounds

Silver	ICP		35.00
Silver needs to be digested in nitric acid only (our regular digestion is nitric and hydrochloric acids). For this reason if silver is required, a nitric-only digestion will be done. Any other elements may be done with silver, except Sb and Sn (they require the hydrochloric acid).			
Na, K, NaOH, KOH	ICP	Special clear band filter for Na, K (86)	35.00
Na Polyacrylate	CS	Special low sodium filter (130)	41.00
METAL WORKING FLUIDS	GRAV	Prew weighed teflon filter (122)	25.00
	EXTRACTION	add	74.00
METHACRYLIC ACID	LC	Anasorb 708. 2 tubes in series (121)	87.00 ^③
METHANE	GC	Mini-can (156)	82.00
METHYL AMYL KETONE	GC	Charcoal tube(1,2), badge (128*)	50.00
METHYL ISOBUTYL KETONE	GC	Charcoal tube(1,2), badge (128*)	50.00
METHYL PYRROLIDINONE (N-)	GC	Charcoal tube(1,2), badge (128*)	50.00
METHYLENE-BIS-2-CHLOROANILINE (MOCA)	GC	MDA (61)	135.00 ^③
METHYLENE CHLORIDE	GC	Orbo 91(45), charcoal tube (1,2), badge (128)*	50.00
METHYLENE DIANILINE (MDA)	GC	MDA (61)	135.00 ^③
MICROSCOPIC ID	Microscopy		
Complete analysis			325.00
Single component			170.00

ANALYTE	METHOD	MEDIA (#)	FEE
MINICAN			
VOC Scan	GC/MS	Mini-can (156)	275.00
Sulfur/Mercaptan Scan	GC/MS	Mini-can (156)	275.00
MOLDS AND SPORES (see pages 4 & 5)	Culture	MCE filter (14) or agar plate	46.00
		Bulk or Whatman wipe (131)	58.00
	Total Spore Count	Air-O-Cell cassette(139)*	38.00
NAPHTHALENE	GC	Chromosorb 106 tube (13)	50.00
NICOTINE	GC	XAD-4 tube (38)	82.00 ^③
NITRIC OXIDE	IC	TEA-treated molecular sieve(90)	53.00
NITROGEN DIOXIDE	IC	NO ₂ tube (91) or TEA-treated molecular sieve (90) if collected with NO.	53.00
NITROUS OXIDE	GC	Mini-can (156)	82.00
OIL MIST (See metal working fluids)			
OZONE	IC	Special filter (36)	73.00
PARAFFIN WAX FUMES	GC	Glass fiber filter(9)	90.00 ^③
PCBs	GC	OVS-2 tube (4)* or gauze wipe	
PCB			130.00 ^③
PCB wipe surcharge			10.00
PENTACHLOROPHENOL	LC	Special XAD-7 tube train (163) (SKC 226-97)	110.00 ^③
PENTAMIDINE	LC	Special PVC Filter (41)	113.00 ^③
PENTANE	GC	Charcoal tube(1,2), badge (128*)	50.00
PENTANONE (2-)	GC	Charcoal tube(1,2), badge (128*)	50.00

ANALYTE	METHOD	MEDIA (#)	FEE
PESTICIDES BY GC	GC	OVS-2 tube (4)*, gauze wipe or bulk	
Single pesticide			103.00 ^③
Additional			55.00
Pesticide Scan (entire list below)			375.00 ^③
Organophosphate pesticides: Chlorpyrifos, Diazinon, Malathion, Parathion, Dichlorvos			
Chlorinated pesticides: Heptachlor, Aldrin, Dieldrin, DDT, Endrin			
Partial Pesticides Scan - Chlorinated only or Organophosphates only			240.00
Wipes & Bulks surcharge			10.00
PESTICIDES BY LC	LC	Glass fiber filter(9) or OVS-2 tube(4)*	112.00 ^③
PHENOL/CRESOL	LC	XAD-7 tube (27)	
First compound			90.00
Second compound			30.00
PHENOLS (OTHER)	LC	Special XAD-7 tube train (163) (SKC 226-97)	
dichlorophenol, 4 chloro-3-methyl phenol, pentachlorophenol, trichlorophenol, phenol, cresol			
First compound			110.00 ^③
Each additional			30.00 ^③
PHOSGENE	GC	formaldehyde tube (10)	120.00 ^③

ANALYTE	METHOD	MEDIA (#)	FEE
PHTHALATES	GC	OVS Tenax tube (117)*	
Di(ethylhexyl), Dibutyl, Diethyl, Dimethyl, Di-n-octyl, Di-n-hexyl, Diisononyl, Diisodecyl, Diisobutyl, Dicyclohexyl, Butyl benzyl			
		First phthalate	87.00 ^③
		Each additional	42.00
PHTHALIC ANHYDRIDE	LC	Veratrylamine filter (111)	125.00 ^③
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHs or PNAs)	LC	Glass fiber filter(9) or OVS2 tube(4)*	
		Single PAH	113.00
		Each additional	38.00
		OSHA 58 Scan: Anthracene, Benzo(a)pyrene, Chrysene, Phenanthrene, Pyrene	205.00
		11 PAH Scan: Anthracene, Benz(a)anthracene, Benzo(a)pyrene, Chrysene, Coronene, Fluoranthene, 3-Methylcholanthrene, Naphthalene, Perylene, Phenanthrene, Pyrene	315.00
PROPANE	GC	Mini-can(156)	82.00
RADON		Charcoal canister	26.00
RESCORCINOL	GC	XAD-7 tube (116)	85.00 ^③
RESPIRABLE OR TOTAL DUST	GRAV	Pre-weighed PVC filter (14,136,160)	25.00
RIBAVIRIN	LC	Glass fiber filter(9)	87.00 ^③
SILICA - AIR	XRD	PVC filter(14, 136,160), PPI(175)*	
		Quartz Only	73.00
		Respirable Silica (quartz and cristobalite combined)	85.00
		Quartz, cristobalite and tridymite. <i>Please call lab for issues regarding analysis of tridymite</i>	97.00

Silica analysis prices are the same with or without weight analysis

ANALYTE	METHOD	MEDIA (#)	FEE
SILICA - BULK			
Quartz, cristobalite, tridymite			
		First compound	100.00
		Each additional	12.00
SODIUM AZIDE	IC	Special tube (155)	113.00 ^③
SODIUM POLYACRYLATE	ICP	Special low sodium filter(130)	41.00
SOLVENTS	GC	Charcoal tube(1,2), 747 tube(174), ORBO 91(45) tube or badge(128)*	
		First substance	50.00
		Each additional substance	22.00
		Solvent Scan A or B (see pages 20-23 for details)	190.00
		Total VOCs as toluene or hexane	50.00
	GC/MS	Minican VOC scan (call for details)	275.00
SPORES AND FUNGI (see pages 4 & 5)	Culture	MCE filter (14), agar plate	46.00
		Bulk , swab, wipe	58.00
		Total spore count	Air-O-Cell cassette(139)* 38.00
STYRENE	GC	TBC Charcoal (112), Charcoal tube(1,2), badge (128*)	50.00
SULFUR DIOXIDE	IC	SO ₂ filter (171),	52.00
TETRACHLOROETHANE	GC	Charcoal tube(1,2), badge (128*)	50.00
TOLUENE	GC	Charcoal tube (1,2), badge(128*)	50.00
TOTAL or RESPIRABLE DUST	GRAV	preweighed PVC filter(15,160,175*)	25.00
TOTAL VOCs AS HEXANE	GC	Charcoal tube(1,2), badge (128*)	50.00

ANALYTE	METHOD	MEDIA (#)	FEE
TRICHLOROETHYLENE	GC	Charcoal tube(1,2), badge (128*)	50.00
TRIGLYCIDYL ISOCYANURATE	GC	TGIC filter (119)	135.00 ^③
TRIMELLETIC ANHYDRIDE	LC	Veratrylamine filter (111)	125.00 ^③
TRIMETHYL BENZENES	GC	Charcoal tube(1,2), badge (128*)	50.00
VINYL CHLORIDE	GC	ORBO 91 tube (45)	75.00
VOCs (See Solvents)	GC	Charcoal tube(1,2), or badge(128*)	50.00
XYLENE	GC	Charcoal tube(1,2) or badge(128*)	50.00
WEIGHTS	GRAV	preweighed PVC filter(14,160,175*)	25.00

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WOHL Scans

Scan: Aldehyde Scan

Media: DNPH /Seppak (138)

Cost: \$295.00 per sample

Analytes included:

- Acetaldehyde
- Acetone
- Benzaldehyde
- Butyraldehyde
- 2,5-Dimethylbenzaldehyde
- Formaldehyde
- Hexanaldehyde
- Isovaleraldehyde
- Methyl Ethyl Ketone (MEK)
- Propionaldehyde
- m&p-Tolualdehyde
- o-Tolualdehyde
- Valeraldehyde

Scan: PAH 5

Media: OVS-2 (4)

Cost:\$205.00

Analytes included:

- Anthracene
- Benzo(a)pyrene
- Chrysene
- Phenanthrene
- Pyrene

Scan: PAH 11

Media: OVS-2 (4)

Cost: \$190.00

Analytes included:

- Anthracene
- Benz(a)anthracene
- Benzo(a)pyrene
- Chrysene
- Coronene
- Fluoranthene
- 3-Methylcholanthrene
- Naphthalene
- Perylene
- Phenanthrene
- Pyrene

Scan: Alcohols

Media: Large Anasorb 747 (174)

Cost:\$190.00

Analytes Included:

- n-Butyl Alcohol
- Ethanol
- Isobutyl Alcohol
- Isopropyl Alcohol
- Methanol
- n-Propanol
- Sec-Butanol

Scan: Acrylates

Media: (112)

Cost:\$190.00

Analytes included:

- Acetone
- Alpha-Methyl Styrene
- Butyl Acrylate
- Butyl Methacrylate
- Ethyl Acrylate
- 2-Ethyl Hexyl Acrylate
- Ethyl Methacrylate
- Methyl Acrylate
- Methyl Methacrylate
- Styrene

Scan: Inorganic Acid Mist I

Media: *acid mist tube (6)*

Cost: \$113.00

Analytes Included:

- Hydrogen Fluoride (HF)
- Hydrogen Chloride (HCl)
- Hydrogen Bromide (HBr)
- Nitric Acid
- Phosphoric Acid
- Sulfuric Acid

Scan: Organic Acid Mist IV

Media: acid mist tube (6)

Cost:\$113.00

Analytes included:

- Acetic Acid
- Butyric Acid
- Citric Acid
- Formic Acid
- Propionic Acid

Scan: Isocyanate

Media: MDI filter (124)

Cost: \$199.00

Analytes included:

- Hexamethylene Diisocyanate (HDI)
- Homopolymer of HDI
- Isophorone Diisocyanate (IPDI)
- Methylene Biscyclohexyl Isocyanate

(DESW/HDMI)

- Methylene Bisphenyl Isocyanate (MDI)
- PAPI
- 2,4-Toluene Diisocyanate
- 2,6-Toluene Diisocyanate

Scan: Amines

Media: H₃PO₄ coated XAD-7 tube (63)

Cost: \$147.00

Analytes included:

- Diethanolamine
- Ethanolamine (*Monoethanolamine*)
- Triethanolamine

Scan: Low Molecular Weight Aliphatic Amines

Media: H₃PO₄ coated XAD-7 tube (63)

Cost: \$220.00

Analytes included:

- Diethylamine
- Dimethylamine
- Dimethylethylamine
- Ethylamine
- Methylamine
- Triethylamine
- Trimethylamine

Scan: Solvent Scan A

Media: Large (2) or small (1) charcoal tube, Badge (128)*

Cost: \$190.00

Analytes included:

- Acetone
- Benzene
- n-Bromopropane
- n-Butyl Acetate
- 1-Chloro-4-trifluoromethylbenzene (*Chlorobenzo-tri fluoride*)
- Cyclohexane
- Cyclohexanone
- Diisobutyl ketone
- Ethyl Acetate
- Ethyl Alcohol (*Ethanol*)
- Ethyl Benzene
- Hexane n
- Isopropyl Alcohol (*Isopropanol, 2-propanol*)
- Isopropylbenzene (*Cumene*)
- Limonene
- Methyl Amyl Ketone n-
- Methyl Ethyl Ketone (*MEK, 2-butanone*)
- Methyl isobutyl ketone (*MIBK, hexone, 4-Methyl-2-pentanone*)
- Methylene Chloride
- Methyl Methacrylate
- Pentane
- 2-Pentanone
- Styrene
- 4-tert-Butyltoluene
- Tetrachloroethene (*tetrachloroethylene*)
- Toluene
- Total VOC as hexane (*Naphtha, mineral spirits, Stoddard solvent*)
- Trichloroethene (*trichloroethylene*)
- Trimethylbenzenes
- Xylenes

Scan: Solvent Scan B

Media: Large (2) or small (1) charcoal tube, Badge (128)*

Cost: \$190.00

Analytes included:

- 2-Butoxyethanol CAS: 111-76-2
- Butyl Carbitol CAS: 112-34-5
- Butyl Cellosolve Acetate CAS: 112-07-2
- Diethyl Carbitol CAS: 112-36-7
- Dimethyl Adipate CAS: 627-93-0
- Dimethyl Glutarate CAS: 1119-40-0
- Dimethyl Succinate CAS: 106-65-0
- Dipropylene Glycol Methyl Ether (*DPGME*) CAS: 34590-94-8
- 2-Ethoxyethanol CAS: 110-80-5
- Ethyl-2-pyrrolidone CAS: 2687-91-4
- Methyl Cellosolve CAS: 109-86-4
- 1-Methyl-2-Pyrrolidinone CAS: 872-50-4
- PG Methyl Ether Acetate (*PGMEA*) CAS: 108-65-6
- 2-Propoxyethanol CAS: 2807-30-9
- n-Propoxy Propanol CAS: 1569-01-3
- Propylene Glycol Butyl Ether CAS: 5131-66-8
- Propylene Glycol Ethyl Ether CAS: 1569-02-4
- Propylene Glycol Methyl Ether CAS: 107-98-2

METAL SCANS

	Aluminum	Arsenic	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Zinc	Antimony	Beryllium	Cadmium	Cobalt	Molybdenum	Titanium	Vanadium	Barium	Bismuth	Boron	Calcium	Lithium	Selenium	Strontium	Thallium	Tin	
\$80.00 BASIC SCAN	Al	As	Cr	Cu	Fe	Pb	Mg	Mn	Ni	Zn	Sb	Be	Cd	Co	Mo	Ti	V	Ba	Bi	B	Ca	Li	Se	Sr	Tl	Sn	
AIR	X	X	X	X	X	X	X	X	X	X																	
WHATMAN WIPE	X	X	X	X	X	X	X	X	X	X																	
LYNX WIPE	X	X	X	X	X	X	X	X	X	X																	
GHOST WIPE	X	X	X	X	X	X	X	X	X	X																	
BULK (+\$10)	X	X	X	X	X	X	X	X	X	X																	
\$119.00 EXPANDED SCAN	Al	As	Cr	Cu	Fe	Pb	Mg	Mn	Ni	Zn	Sb	Be	Cd	Co	Mo	Ti	V	Ba	Bi	B	Ca	Li	Se	Sr	Tl	Sn	
AIR	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X										
WHATMAN WIPE	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X										
LYNX WIPE	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X										
GHOST WIPE	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X										
BULK (+\$10)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X										
\$179.00 FULL SCAN	Al	As	Cr	Cu	Fe	Pb	Mg	Mn	Ni	Zn	Sb	Be	Cd	Co	Mo	Ti	V	Ba	Bi	B	Ca	Li	Se	Sr	Tl	Sn	
AIR	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WHATMAN WIPE	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
BULK (+\$10)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

A variety of metals can be collected on the same filter; however, some need to be collected separately due to solubility differences. Please call the lab if you have questions about which metals can be collected together. Pricing for ICP analysis is as follows: The first metal on a filter is \$35. Each additional metal on the same filter is \$6. for special metals such as mercury and silver, please see the alphabetical listing. There is an additional \$10 prep charge per sample for bulks. Please note that oxide compounds cannot be determined specifically. The metal content is determined and a conversion factor is applied. The ICP determines metal content, which may or may not include all compounds of that metal. If you are interested in metal oxides, you should call the lab to determine the best sampling strategy. *rev. Aug 2019 AP*