



# Wisconsin Occupational Health Laboratory

WISCONSIN STATE LABORATORY OF HYGIENE  
UNIVERSITY OF WISCONSIN-MADISON



# 2025 Fee Schedule

Prices subject to change without notice.

[www.wohl-lab.com](http://www.wohl-lab.com)

## WISCONSIN OCCUPATIONAL HEALTH LABORATORY

### FED-EX & UPS

#### PACKAGES

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#### WEB PAGE

[www.wohl-lab.com](http://www.wohl-lab.com)

## 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](http://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

Assay 525 Badge (128)	\$15.00	Silica Gel Tube for Diacetyl (169)	\$12.00
Assay 566 Badge (128.1)	\$13.00	OVS-2 and OVS-7 Tubes (4, 116)	\$14.00
Air-O-Cell Cassettes (139)	\$5.00	OVS TENAX Tubes (117)	\$21.00
PPI Impactors 2 lpm (175)	\$27.00	DNPH Seppak (138)	\$14.00
PPI Impactors 4 lpm (179)	\$27.00	UMEX, Assay 571 Badges (167, 206,209)	\$14.00

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 Andersen Samplers. Overnight shipment recommended.

Air-O-Cell sampling pump	High Volume (10-20 lpm) pumps	WallChek sampler
Andersen N6 sampler	MSA Dorr-Oliver cyclones	Aluminum cyclones
Field rotometers	Personal sampling pumps & accessories	

## Accelerated Service Procedure

WOHL offers 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/Turnaround 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 some 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 require. 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](http://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.

# BioAir

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> , may be identified to the species level upon request, must be prearranged. Malt extract agar provided. <sup>c</sup> Samplers available. <sup>c</sup>	Andersen sample <sup>c</sup> . Other impaction agar methods and contact plates.	52.00
Fungal culture; enumeration and identification to genus level. Some fungi, e.g. <i>Aspergillus</i> , may be identified to the species level upon request, must be prearranged. Malt extract agar used.	Bulk solids, liquids or wipes <sup>a</sup>	62.00
Fungal culture; enumeration and identification to genus level. Some fungi, e.g. <i>Aspergillus</i> , may be identified to the species level upon request, must be prearranged. Malt extract agar used.	Mixed cellulose ester (MCE) filter cassette <sup>a</sup>	52.00
Total spore count and identification. Samples collected by slit or round impaction methods. Air-O-Cell pumps available upon request.	Zefon Air-O-Cell <sup>b</sup> and other spore trap types	42.00
Direct microscopic examination. Identification of spores and fungal elements present.	Bulk and wipe samples <sup>a</sup>	42.00
Tape samples; identification and semi-quantitation of spores and fungal elements present. Clear (not frosted) tape should be used. Biotapes available.	Tape samples <sup>a</sup>	42.00

# BioAir

Test Description	Sample Type	Fee
Bacterial culture <sup>f</sup> ; enumeration and presumptive identification <sup>d</sup> (Gram stain reaction and colony morphology) of three predominant types. Tryptic soy agar used. May substitute blood agar for pathogenic bacteria. Samplers available. <sup>e</sup>	Andersen sample <sup>e</sup> Other impaction agar methods and contact plates	52.00
Bacterial culture <sup>f</sup> ; enumeration and presumptive identification <sup>d</sup> (Gram stain reaction and colony morphology) of three predominant types. Tryptic soy agar used. May substitute blood agar for pathogenic bacteria. <sup>f</sup>	Bulk solids, liquids or wipes <sup>a</sup>	62.00
Legionella culture, enumeration and identification. CDC method. Sample collection kits available. <sup>c</sup>	Liquids or swabs	130
Identification of bacterial and fungal isolates to genus and species from environmental sources using Biolog microbial identification system. <sup>f</sup>	Isolates from samples above; pure subcultures	72.00/organism

<sup>a</sup> Cassettes, swabs, wipes, sterile containers and Biotapes for tape preparations are available upon request

<sup>b</sup> Zefon Air-O-Cell cassettes are available for \$5.00 each.

<sup>c</sup> Sample collection kits including swabs available upon request.

<sup>d</sup> Identification to genus and species available upon request for some analyses. Some methods of speciation (e.g. use of the BIOLOG system) may incur additional charges per organism, must be prearranged.

<sup>e</sup> Customer pays all shipping charges for Andersen samplers. Culture media must be sent refrigerated by overnight shipment.

<sup>f</sup> WOHL is not accredited for Bacterial analysis.

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

<b>RUSH</b>	1-2 days turnaround time	84.00
<b>PRIORITY</b>	3-5 days turnaround time	63.00
<b>SAME DAY</b>		128.00

## Asbestos Analysis

<b>ASBESTOS (Air Fiber Count)</b>	PCM		
Phase Contrast Microscopy		.8μ MCE filter (122)	42.00
Same Day Turnaround			124.00
<b>ASBESTOS (Bulk)</b>	PLM		
Polarized Light Microscopy			48.00

## Environmental Lead

ELLAP AIHA-LAP, LLC Accredited Laboratory #101070

<b>Lead in soil, paint chips or surface wipes (181)</b>	42.00
<b>Lead in air</b>	42.00

## 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.

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

ANALYTE	METHOD	MEDIA (#)	FEE
ACETALDEHYDE	LC	DNPH cartridge(138)* or badge (167 or 209*)	102.00
ACETIC ACID	IC	Acid mist tube (6)	60.00
ACETIC ANHYDRIDE	GC	VA filters (111)	145.00 <sup>③</sup>
ACETONE	GC	Special Silica Gel (169)*, OVM(128*& 128.1*)	58.00
ACETONITRILE	GC	Charcoal tube (1,2)	84.00
ACIDS	IC	Acid mist tube (6). H <sub>3</sub> PO <sub>4</sub> and H <sub>2</sub> SO <sub>4</sub> can be collected on MCE(14)	
<i>Inorganic:</i> Fluoride (HF), chloride (HCl), nitrate (HNO <sub>3</sub> ), phosphate (H <sub>3</sub> PO <sub>4</sub> ), sulfate (H <sub>2</sub> SO <sub>4</sub> ), bromide (HBr)			
		First anion	60.00
		Each additional	25.00
<i>Organic:</i> Propionic, butyric, citric, acetic, formic acids			
		First anion	60.00
		Each additional	25.00
		<b>Inorganic Acid Mist Scan I:</b> fluoride (HF), chloride (HCl), nitrate (HNO <sub>3</sub> ), phosphate (H <sub>3</sub> PO <sub>4</sub> ), sulfate (H <sub>2</sub> SO <sub>4</sub> ), bromide (HBr)	130.00
		<b>Organic Acid Mist Scan IV:</b> formic acid, acetic acid, propionic acid, butyric acid, citric acid	130.00
		Bulk sample preparation	Add 60.00
ACRYLAMIDE	GC	OVS-7 tube(116)*	96.00
ACRYLIC ACID	LC	Anasorb 708 (121)	99.00 <sup>③</sup>
ACRYLONITRILE	GC	Charcoal tube(1,2)	84.00
ALCOHOLS (See Solvents)	GC	Large Anasorb 747 tube (174)	58.00



ANALYTE	METHOD	MEDIA (#)	FEE
<b>ALDEHYDES</b>	LC	DNPH cartridge(138)* or badge (167 or 209*)	
First aldehyde			102.00
Each additional			51.00
<b>TO-11A Scan:</b>			340.00
Acetaldehyde, acetone, benzaldehyde, butyraldehyde, 2, 5-dimethylbenzaldehyde, formaldehyde, hexanaldehyde, isovaleraldehyde, methyl ethyl ketone, propionaldehyde, m & p-tolualdehyde, o-tolualdehyde, valeraldehyde			
<b>ALDEHYDES-OSHA 52</b>	GC	formaldehyde tube (10)	
Acrolein, acetaldehyde, formaldehyde			
First aldehyde			73.00
Each additional			29.00
<b>ALUMINUM</b>	ICP	MCE (14), PVC (15,160,175), Wipes(131, 181) & Bulks	See METALS
<b>ALUMINUM OXIDE (weight only)</b>	GRAV	Preweighed PVC (15,160)	30.00
<b>AMINES</b>	IC	H <sub>3</sub> PO <sub>4</sub> coated XAD-7 tube(63)	
<i>Ethanolamines:</i> ethanolamine, diethanolamine, triethanolamine. (Analysis may <b>not</b> be combined with Low Molecular Weight Aliphatic amines below.)			
First Amine			130.00
Each additional			45.00
<b>Ethanolamine Scan:</b> see list above			170.00
<i>Low Molecular Weight Aliphatic Amines:</i> methylamine, dimethylamine, trimethylamine, ethylamine, diethylamine, triethylamine, dimethylethylamine. (Analysis may <b>not</b> be combined with Ethanolamines above.)			
First amine			130.00
Each additional			45.00
<b>Low Molecular Weight Aliphatic Amines Scan:</b> see list above			255.00

ANALYTE	METHOD	MEDIA (#)	FEE
<b>AMINES</b>	GC	H <sub>3</sub> PO <sub>4</sub> coated XAD-7 (63)	
		Diethylaminoethanol, dimethylaminoethanol, cyclohexylamine, methylmorpholine, diisopropylamine. (Each analyte must be sampled on a separate tube.)	
		Each amine	170.00 <sup>③</sup>
<b>AMINES</b>	LC	NITC tubes(47)	
		Ethylene diamine, diethylenetriamine, triethelenetetramine, tetraethylenepentamine. (May be sampled together on the same tube.)	
		Each amine	155.00 <sup>③</sup>
<b>AMMONIA</b>	IC	Treated tube(19)	63.00
<b>ANTIMONY</b>	ICP	MCE (14), PVC (15,160,175), Wipes(131, 181) & Bulks	See METALS
<b>ARSENIC</b>	ICP	MCE (14), PVC (15,160,175), Wipes(131, 181) & Bulks	See METALS
<b>ASBESTOS (Air Fiber Count)</b>	PCM		
		Phase Contrast Microscopy	PCM filter(22) 42.00
<b>ASBESTOS (Bulk)</b>	LM		
		Polarized Light Microscopy	48.00
<b>ASPHALT FUMES (as benzene soluble)</b>	GRAV	Glass fiber filter(9)	85.00 <sup>③</sup>
<b>AZIDES, HYDROZOIC ACID</b>	IC	Special tube(155)	160.00 <sup>③</sup>
<b>BARIUM</b>	ICP	MCE (14), PVC (15,160,175), Wipes(131, 181) & Bulks	See METALS
<b>BENZENE</b>	GC	Charcoal tube (1,2), badge (128*)	58.00
<b>BENZOPHENONE</b>	GC	Chromosorb 106 tube(13)	96.00
<b>BENZOYL PEROXIDE</b>	LC	Unweighed Teflon filter(18)	96.00 <sup>③</sup>

ANALYTE	METHOD	MEDIA (#)	FEE
<b>BERYLLIUM (call if oxide)</b>	ICP	MCE (14), PVC (15,160,175), Wipes(131, 181) & Bulks	See METALS
<b>BISMUTH</b>	ICP	MCE (14), PVC (15,160,175), Wipes(131, 181) & Bulks	See METALS
<b>BISPHENOL A</b>	LC	Glass fiber filter(9)	103.00③
<b>BORON</b>	ICP	MCE (14), PVC (15,160,175), Wipes(131, 181) & Bulks	See METALS
<b>BORON TRIFLUORIDE</b>	ISE	Impinger	103.00③
<b>BROMINE</b>	IC	Ag filter(71)	81.00
<b>BROMOPROPANE (1-)</b>	GC	Charcoal tube (1,2), badge (128*)	58.00
<b>BTEX (benzene, toluene, ethyl benzene &amp; xylene)</b>	GC	Charcoal tube(1,2), badge(128*)	129.00
<b>BUTADIENE</b>	GC	TBC charcoal tube(112)	58.00
<b>BUTOXYETHANOL(2-)</b>	GC	Charcoal tube(1,2), badge(128*)	58.00
<b>BUTYL ACETATE</b>	GC	Charcoal tube (1,2), badge (128*)	58.00
<b>BUTYRIC ACID (See Acids)</b>	IC	Acid mist tube (6)	60.00
<b>CALCIUM</b>	ICP	MCE (14), PVC (15,160,175), Wipes(131, 181) & Bulks	See METALS
<b>CADMIUM</b>	ICP	MCE (14), PVC (15,160,175), Wipes(131, 181) & Bulks	See METALS
<b>CAPROLACTAM</b>	LC	OVS-7 tube(116)*	115.00③
<b>CARBON BLACK (OSHA THF extract.)</b>	GRAV	preweighed PVC filter (15,160)	81.00
<b>CARBON DIOXIDE</b>	GC	Mini-can(156)	95.00
<b>CARBON MONOXIDE</b>	GC	Mini-can(156)	95.00
<b>CHLORAMINES</b>	IC	Chloramine filter(129)	170.00③
<b>CHLORINE</b>	IC	Ag filter (71)	81.00

ANALYTE	METHOD	MEDIA (#)	FEE
<b>CHLORINE DIOXIDE</b>	IC	Special impinger solution(93)	100.00③
<b>o-CHLOROBENZYLIDENE</b>	LC	Teflon filter and tenax tube(42)	140.00③
<b>MALONONITRILE</b>			
<b>CHLOROTRIFLUOROMETHYL</b>	GC	Charcoal tube (1,2), badge (128*)	58.00
<b>BENZENE</b>			
<b>COAL TAR PITCH VOLATILES</b>	GRAV	Glass fiber filter(9)	85.00③
plus OSHA 58 (5 PAHs)	LC		240.00③
<b>COATINGS (EPA method 24 or 24A)</b>	GC	Double seal can	350.00
<b>COBALT</b>	ICP	MCE (14), PVC (15,160,175), Wipes(131, 181) & Bulks	See METALS
<b>COMBUSTIBLE DUST (non- deflagration)</b>	WET	1 Liter Bottle	300.00
<b>COPPER</b>	ICP	MCE (14), PVC (15,160,175), Wipes(131, 181) & Bulks	See METALS
<b>CRESOL</b>	LC	XAD-7 tube (27)	120.00
<b>CRISTOBALITE (See Silica)</b>	XRD	PVC filter(15, 160, 175*)	See silica
<b>CUMENE (ISOPROPYL BENZENE)</b>	GC	Charcoal tube (1,2), badge (128*)	58.00
<b>CYANIDE/HYDROGEN CYANIDE</b>	IC UVV	Soda lime tube(44)	120.00③
<b>CYCLOHEXANE</b>	GC	Charcoal tube (1,2), badge (128*)	58.00
<b>CYCLOHEXANONE</b>	GC	Chromosorb 106 (13)	58.00
<b>DESFLURANE</b>	GC	Anasorb 747 (103) badge (128*)	58.00
<b>DIACETYL</b>	GC	2 silica gel tubes(169)	130.00
<b>DIESEL EXHAUST (Elemental Carbon)</b>	ECOC	Quartz filter(120)	80.00
<b>DIETHANOLAMINE</b>	IC	H <sub>3</sub> PO <sub>4</sub> coated XAD-7 tube(63)	130.00

ANALYTE	METHOD	MEDIA (#)	FEE
DIETHYL AMINE	IC	H <sub>3</sub> PO <sub>4</sub> coated XAD-7 tube(63)	130.00
DIETHYLAMINOETHANOL	GC	H <sub>3</sub> PO <sub>4</sub> coated XAD-7 tube(63)	170.00
DIETHYLENETRIAMINE	LC	NITC tube (47)	155.00③
DIISOBUTYL KETONE	GC	Charcoal tube (1,2), badge (128.1*)	58.00
DIMETHYL AMINE	IC	H <sub>3</sub> PO <sub>4</sub> coated XAD-7 tube(63)	130.00
DIMETHYLAMINOETHANOL	GC	H <sub>3</sub> PO <sub>4</sub> coated XAD-7 tube(63)	170.00
DIMETHYLETHYL AMINE	IC	H <sub>3</sub> PO <sub>4</sub> coated XAD-7 tube(63)	130.00
DUST (Respirable or Total)	GRAV	preweighed PVC filter(15, 175*)	30.00
ELEMENTAL CARBON	ECOC	Quartz filter(120)	80.00
ENFLURANE	GC	Anasorb 747 (103), badge (128*)	58.00
ETHANOLAMINE	IC	H <sub>3</sub> PO <sub>4</sub> coated XAD-7 tube(63)	130.00
ETHYL ACETATE	GC	Charcoal tube (1,2), badge (128*)	58.00
ETHYL ALCOHOL	GC	Anasorb 747 (174)	58.00
ETHYL AMINE	IC	H <sub>3</sub> PO <sub>4</sub> coated XAD-7 tube(63)	130.00
ETHYL BENZENE	GC	Charcoal tube (1,2), badge (128*)	58.00
ETHYL CYANOACRYLATE	LC	H <sub>3</sub> PO <sub>4</sub> treated XAD 7 tube (63)	150.00③
ETHYLENE DIAMINE	LC	NITC tube (47)	155.00③
ETHYLENE GLYCOL	GC	OVS-7 tube (116)*	88.00
ETHYLENE OXIDE	GC	HBr treated charcoal tube (66)	150.00③
FIBERGLASS	PCM	PCM filter (22)	42.00
FLUORIDE/HYDROGEN FLUORIDE	ISE	F/HF Filter (74)	150.00③
FORMALDEHYDE	GC	HMP treated XAD-2 tube (10)	73.00
	LC	DNPH Sep-Pack(138)* or Badge (167 or 209)*	99.00



ANALYTE	METHOD	MEDIA (#)	FEE
<b>FORMIC ACID (See Acids)</b>	IC	Acid mist tube (6)	60.00
<b>GASES</b>	GC	Mini-can(156)	95.00
Carbon dioxide, carbon monoxide, nitrous oxide, methane, propane. Call lab for gases not listed			
<b>GLUTARALDEHYDE</b>	LC	DNPH coated glass fiber filter (70)	99.00
<b>GLYCOL ETHERS (See Solvents)</b>			
<b>HALOTHANE</b>	GC	Badge (128*), small Anasorb 747 tube (103)	58.00
<b>HEXANE</b>	GC	Charcoal tube (1,2), badge (128*)	58.00
<b>HEXAMETHYLENETETRAMINE</b>	ISE	MCE (14) in water	170.00③
<b>HEXAVALENT CHROMIUM</b>	IC	PVC filter(86), NaOH Quartz filter (159), 25mm PVC (161)	82.00
Additional charge for analysis on paint-related samples			41.00
<b>HYDROCARBONS</b>	GC	Charcoal tube or badge(1,2,128*)	58.00
<b>HYDROBROMIC ACID (see Acids)</b>	IC	Acid mist tube (6)	60.00
<b>HYDROCHLORIC ACID (see Acids)</b>	IC	Acid mist tube (6)	60.00
<b>HYDROFLUORIC ACID (see Acids)</b>	IC	Acid mist tube (6)	60.00
<b>HYDROGEN PEROXIDE</b>	UVV	Hydrogen peroxide filter (177)	70.00③
<b>HYDROGEN SULFIDE</b>	IC	Large Anasorb 747 tube(174)	82.00③
<b>HYDROQUINONE</b>	LC	H <sub>3</sub> PO <sub>4</sub> coated XAD-7 tube (63)	105.00③
<b>HYDROZOIC ACID, AZIDES</b>	IC	Special tube (155)	160.00③
<b>INHALABLE DUST</b>	GRAV	Specially loaded IOM	See Weights or Metals
<b>IODINE</b>	ISE	SO <sub>2</sub> tube (106)	99.00③

ANALYTE	METHOD	MEDIA (#)	FEE
<b>IRON</b>	ICP	MCE (14), PVC (15,160,175), Wipes(131, 181) & Bulks	See METALS
<b>ISOCYANATES</b>	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	115.00
		Each additional	55.00
		<b>Isocyanate Scan:</b> see list above.	230.00
<b>ISOFLURANE</b>	GC	Anasorb 747 tube (103), badge (128*)	58.00
<b>ISOPROPYL BENZENE (CUMENE)</b>	GC	Charcoal tube (1,2), badge(128*, 128.1*)	58.00
<b>LEAD (Environmental)</b>	ICP	Paint, Soil, Wipe (181)	42.00
<b>LEGIONELLA (water, wipes, swabs)</b>	Culture	Legionella kit (146)	130.00
<b>LIMONENE</b>	GC	Charcoal tube (1,2), badge(128 or 128.1*)	58.00
<b>LITHIUM</b>	ICP	MCE (14), PVC (15,160,175), Wipes(131, 181) & Bulks	See METALS
<b>MAGNESIUM</b>	ICP	MCE (14), PVC (15,160,175), Wipes(131, 181) & Bulks	See METALS
<b>MANGANESE</b>	ICP	MCE (14), PVC (15,160,175), Wipes(131, 181) & Bulks	See METALS

ANALYTE	METHOD	MEDIA (#)	FEE
MALEIC ANHYDRIDE	LC	Call for sampling instructions	160.00③
MEK (2-butanone)	GC	Special Silica Gel (169)*, badge (128*)	58.00
MEK PEROXIDE	UVV	XAD-4 tube(38)	125.00③
MERCURY	CVAA	Tube (83)	54.00③
		Bulk or wipe (131)	69.00③

**METALS (see page 32 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, Fe<sub>2</sub>O<sub>3</sub>, MgO, ZnO,

First component	42.00
Each additional component	9.00
add additional for bulk prep	10.00
add additional for weights on preweighed PVC	30.00

ANALYTE	METHOD	MEDIA (#)	FEE
<b>Basic metals scan dust</b> (Al, As, Cr, Cu, Fe, Mg, Mn, Ni, Pb, Zn)			95.00
<b>Basic metals scan fumes</b> (Al, As, Cr, Cu, Fe <sub>2</sub> O <sub>3</sub> , MgO, Mn, Ni, Pb, ZnO)			95.00
<b>Expanded metals scan dust</b> (Basic Scan metals plus: Be, Cd, Co, Mo, Sb, Ti, V)			135.00
<b>Expanded metals scan fumes</b> (Basic Scan fumes plus: Be, Cd, Co, Mo, Sb, Ti, V)			135.00
<b>Full metals scan dust</b> (Basic and Expanded Scan metals plus: Ba, Bi, B, Ca, Li, Se, Sr, Tl, Sn)			200.00
<b>Full metals scan fumes</b> (Basic and Expanded Scan fumes plus: Ba, Bi, B, CaO, Li, Se, Sr, Tl, Sn)			200.00
<b>Non-Routine Elements &amp; Compounds</b>			
Silver	ICP		42.00
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)	42.00
Na Polyacrylate	ICP	Special low sodium filter (130)	50.00
<b>METAL WORKING FLUIDS</b>	GRAV	Prew weighed teflon filter (122)	30.00
	EXTRACTION	add	81.00
<b>METHACRYLIC ACID</b>	LC	Anasorb 708. 2 tubes in series (121)	102.00 <sup>③</sup>
<b>METHANE</b>	GC	Mini-can (156)	95.00
<b>METHYL AMINE</b>	IC	H <sub>3</sub> PO <sub>4</sub> coated XAD-7 tube(63)	130.00
<b>METHYL AMYL KETONE</b>	GC	Charcoal tube(1,2), badge (128.1*)	58.00
<b>METHYL ISOBUTYL KETONE</b>	GC	Charcoal tube(1,2), badge (128 or 128.1*)	58.00
<b>METHYL PYRROLIDINONE (N-)</b>	GC	Charcoal tube(1,2), badge (128*)	58.00

ANALYTE	METHOD	MEDIA (#)	FEE
<b>METHYLENE-BIS- 2-CHLOROANILINE (MOCA)</b>	GC	MDA (61)	160.00③
<b>METHYLENE CHLORIDE</b>	GC	Large 747 (174), charcoal tube (1,2), badge (128 or 128.1)*	58.00
<b>METHYLENE DIANILINE (MDA)</b>	GC	MDA (61)	160.00③
<b>MICROSCOPIC ID</b>	Microscopy		
Complete analysis			350.00
Single component			190.00
<b>MOLDS AND SPORES (see pages 4 &amp; 5)</b>	Culture	MCE filter (14) or agar plate	52.00
		Bulk or Whatman wipe (131)	62.00
	Total Spore Count	Air-O-Cell cassette(139)*	42.00
<b>MOLYBDENUM</b>	ICP	MCE (14), PVC (15,160,175), Wipes(131, 181) & Bulks	See METALS
<b>NAPHTHALENE</b>	GC	Chromosorb 106 tube (13)	58.00
<b>NICKEL</b>	ICP	MCE (14), PVC (15,160,175), Wipes(131, 181) & Bulks	See METALS
<b>NICOTINE</b>	GC	XAD-4 tube (38)	95.00③
<b>NITRIC ACID (See Acids)</b>	IC	Acid mist tube (6)	60.00
<b>NITROGEN DIOXIDE</b>	IC	NO <sub>2</sub> tube (91) or TEA-treated molecular sieve (90) if collected with NO.	61.00
<b>NITROUS OXIDE</b>	GC	Mini-can (156)	95.00
<b>OIL MIST (See metal working fluids)</b>			
<b>OZONE</b>	IC	Special filter (36)	85.00



ANALYTE	METHOD	MEDIA (#)	FEE
<b>PARAFFIN WAX FUMES</b>	GC	Glass fiber filter(9)	105.00 <sup>③</sup>
<b>PCBs</b>	GC	OVS-2 tube (4)* or gauze wipe	
PCB			150.00 <sup>③</sup>
PCB wipe surcharge			10.00
<b>PENTACHLOROPHENOL</b>	LC	Special XAD-7 tube train (163) (SKC 226-97)	122.00 <sup>③</sup>
<b>PENTAMIDINE</b>	LC	Special PVC Filter (41)	145.00 <sup>③</sup>
<b>PENTANE</b>	GC	Charcoal tube(1,2), badge (128* or 128.1*)	58.00
<b>PENTANONE (2-)</b>	GC	Charcoal tube(1,2), badge (128* or 128.1*)	58.00
<b>PERCHLORATES/PERCHLORIC ACID</b>	ISE	Midget impinger with DI-Water	120.00 <sup>③</sup>
<b>PESTICIDES BY GC</b>	GC	OVS-2 tube (4)*, gauze wipe or bulk	
Single pesticide			120.00 <sup>③</sup>
Additional			60.00
<b>Pesticide Scan</b> (entire list in scan section)			410.00 <sup>③</sup>
Wipes & Bulks surcharge			10.00
<b>PESTICIDES BY LC</b>	LC	Glass fiber filter(9) or OVS-2 tube(4)*	145.00 <sup>③</sup>
<b>PHENOL/CRESOL</b>	LC	XAD-7 tube (27)	
First compound			99.00
Second compound			34.00
<b>PHENOLS (OTHER)</b>	LC	Special XAD-7 tube train (163) (SKC 226-97)	

ANALYTE	METHOD	MEDIA (#)	FEE
dichlorophenol, 4 chloro-3-methyl phenol, pentachlorophenol, trichlorophenol, phenol, cresol			
First compound			122.00 <sup>③</sup>
Each additional			37.00 <sup>③</sup>
<b>PHOSPHORIC ACID (See Acids)</b>	IC	Acid mist tube (6). H <sub>3</sub> PO <sub>4</sub> and H <sub>2</sub> SO <sub>4</sub> can be collected on MCE(14)	60.00
<b>PHTHALATES</b>	GC	OVS Tenax tube (117)*	
Di(ethylhexyl), Dibutyl, Diethyl, Dimethyl, Di-n-octyl, Di-n-hexyl, Diisononyl, Diisodecyl, Diisobutyl, Dicyclohexyl, Butyl benzyl			
First phthalate			100.00 <sup>③</sup>
Each additional			45.00
<b>PHTHALIC ANHYDRIDE</b>	LC	Veratrylamine filter (111)	160.00 <sup>③</sup>
<b>POLYNUCLEAR AROMATIC HYDROCARBONS (PAHs or PNAs)</b>	LC	Glass fiber filter(9) or OVS2 tube(4)*	
Single PAH			130.00
Each additional			42.00
<b>OSHA 58 Scan:</b> Anthracene, Benzo(a)pyrene, Chrysene, Phenanthrene, Pyrene			240.00
<b>11 PAH Scan:</b> Anthracene, Benz(a)anthracene, Benzo(a)pyrene, Chrysene, Coronene, Fluoranthene, 3-Methylcholanthrene, Naphthalene, Perylene, Phenanthrene, Pyrene			350.00
<b>PROPANE</b>	GC	Mini-can(156)	95.00
<b>PROPIONIC ACID (See Acids)</b>	IC	Acid mist tube (6)	60.00

ANALYTE	METHOD	MEDIA (#)	FEE
<b>RESCORCINOL</b>	GC	XAD-7 tube (116)	96.00
<b>RESPIRABLE OR TOTAL DUST</b>	GRAV	Pre-weighed PVC filter (15,16,160)	30.00
<b>SELENIUM</b>	ICP	MCE (14), PVC (15,160,175), Wipes(131, 181) & Bulks	See METALS
<b>SILICA – AIR (prices are the same with or without dust)</b>	XRD	PVC filter(15, 16, 160) PPI(175)*	
Quartz Only			85.00
Respirable Silica (quartz and cristobalite combined)			100.00
Quartz, cristobalite and tridymite. <i>Please call lab for issues regarding analysis of tridymite.</i>			115.00
<b>SILICA - BULK</b>			
Quartz, cristobalite, tridymite			
First compound			120.00
Each additional			15.00
<b>SODIUM AZIDE</b>	IC	Special tube (155)	170.00 <sup>③</sup>
<b>SODIUM POLYACRYLATE</b>	ICP	Special low sodium filter(130)	50.00
<b>SOLVENTS</b>	GC	Charcoal tube(1,2), 747 tube(174), Special Silica Gel (169)*, tube or badge(128 or 128.1)*	
First substance			58.00
Each additional substance			25.00
Solvent Scan A or B (see pages 20-23 for details)			210.00
Total VOCs as toluene or hexane			58.00
<b>SPORES AND FUNGI (see pages 4 &amp; 5)</b>	Culture	MCE filter (14), agar plate	52.00
		Bulk , swab, wipe	62.00

ANALYTE	METHOD	MEDIA (#)	FEE
	Total spore count	Air-O-Cell cassette(139)*	42.00
<b>STRONTIUM</b>	ICP	MCE (14), PVC (15,160,175), Wipes(131, 181) & Bulks	See METALS
<b>STYRENE</b>	GC	TBC Charcoal (112), Charcoal tube large (2), badge (128* or 128.1*)	58.00
<b>SULFUR DIOXIDE</b>	IC	SO <sub>2</sub> filter (171),	60.00
<b>SULFURIC ACID (See Acids)</b>	IC	Acid mist tube (6). H <sub>3</sub> PO <sub>4</sub> and H <sub>2</sub> SO <sub>4</sub> can be collected on MCE(14)	60.00
<b>TETRACHLOROETHANE</b>	GC	Charcoal tube(1,2), badge (128* or 128.1)	58.00
<b>THALLIUM</b>	ICP	MCE (14), PVC (15,160,175), Wipes(131, 181) & Bulks	See METALS
<b>TITANIUM</b>	ICP	MCE (14), PVC (15,160,175), Wipes(131, 181) & Bulks	See METALS
<b>TITANIUM DIOXIDE (weight only)</b>	GRAV	Prew weighed PVC filter (15,160)	30.00
<b>TOLUENE</b>	GC	Charcoal tube (1,2), badge(128* or 128.1)	58.00
<b>TOTAL or RESPIRABLE DUST</b>	GRAV	preweighed PVC filter(15,160,175*)	30.00
<b>TOTAL VOCs AS HEXANE</b>	GC	Charcoal tube(1,2), badge (128* or 128.1*)	58.00
<b>TRICHLOROETHYLENE</b>	GC	Charcoal tube(1,2), badge (128* or 128.1*)	58.00
<b>TRIETHANOLAMINE</b>	IC	H <sub>3</sub> PO <sub>4</sub> coated XAD-7 tube(63)	130.00
<b>TRIETHYLENETETRAMINE</b>	LC	NITC tube (47)	155.00③
<b>TRIETHYL AMINE</b>	IC	H <sub>3</sub> PO <sub>4</sub> coated XAD-7 tube(63)	130.00
<b>TRIGLYCIDYL ISOCYANURATE</b>	GC	Fiberglass Filter(9)	140.00

ANALYTE	METHOD	MEDIA (#)	FEE
TRIMELLETIC ANHYDRIDE	LC	Veratrylamine filter (111)	160.00③
TRIMETHYL AMINE	IC	H <sub>3</sub> PO <sub>4</sub> coated XAD-7 tube(63)	130.00
TRIMETHYL BENZENES	GC	Charcoal tube(1,2), badge (128 or 128.1*)	58.00
VANADIUM	ICP	MCE (14), PVC (15,160,175), Wipes(131, 181) & Bulks	See METALS
VINYL CHLORIDE	GC	ORBO 91 tube (45)	85.00
VOCs (See Solvents)	GC	Charcoal tube(1,2), or badge(128 or 128.1*)	58.00
XYLENE	GC	Charcoal tube(1,2) or badge(128* or 128.1*)	58.00
WEIGHTS	GRAV	preweighed PVC filter(14,160,175*)	30.00
ZINC	ICP	MCE (14), PVC (15,160,175), Wipes(131, 181) & Bulks	See METALS



# WOHL Scans

## **Scan: Aldehyde Scan**

Media: DNPH /Seppak

(138) Cost: \$340.00 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: \$240.00

Analytes included:

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

## **Scan: PAH 11**

Media: OVS-2 (4)

Cost: \$350.00

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:\$210.00

Analytes Included:

- n-Butyl Alcohol
- Ethanol
- Isobutyl Alcohol
- Isopropyl Alcohol
- Methanol
- n-Propanol
- n- and sec-Butanol
- 2-Butoxyethanol

**Scan: Acrylates**

Media: (112)

Cost:\$210.00

Analytes included:

- Acetone
- Alpha-Methyl Styrene
- Methyl, Butyl & Ethyl Acrylate
- Butyl Methacrylate
- 2-Methoxyethyl Acrylate
- 2-Ethyl Hexyl Acrylate
- Ethyl Methacrylate
- Methyl Methacrylate
- Styrene

**Scan: Inorganic Acid Mist I**

Media: *acid mist tube (6)*

Cost: \$130.00

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: \$130.00

Analytes included:

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

**Scan: Isocyanate**

Media: MDI filter (124)

Cost: \$230.00

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: H<sub>3</sub>PO<sub>4</sub> coated XAD-7 tub (63)

Cost: \$170.00

Analytes included:

- Diethanolamine
- Ethanolamine (*Monoethanolamine*)
- Triethanolamine

**Scan: Low Molecular Weight Aliphatic Amines**

Media: H<sub>3</sub>PO<sub>4</sub> coated XAD-7 tube (63)

Cost: \$255.00

Analytes included:

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

**Scan: Solvent Scan A**

Media: small (1) charcoal tube,

Cost: \$210.00 Analytes included:

- Acetone
- Benzene
- 1-Bromopropane
- n-Butyl Acetate
- 1-Chloro-4-trifluoromethylbenzene (*Chlorobenzotrifluoride*)
- 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 (large tube only)
- Pentane
- 2-Pentanone
- Styrene (large tube only)
- 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,

Cost: \$210.00 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

The following can be done together on specially cleaned Silica Gel tubes (169) in series following OSHA Method 5004. Tubes shipped as a set of two.

- Acetone
- Methyl Ethyl Ketone (MEK)
- Methyl Isobutyl Ketone (MIBK)

## **New 2025 Solvent Scan on Only Large Coconut Charcoal Tube, SKC 226-09**

These analytes can be collected on the large coconut shell charcoal (CSC) tube, SKC 226-09. The sample is extracted with a 97:3 (v/v) Carbon disulfide:Benzyl alcohol solution and analyzed by gas chromatography equipped with a flame ionization detector (GC-FID).

The cost of the solvent scan is \$220 per sample.

Analytes included in Solvent Scan:

- 2-Butoxyethanol (Ethylene glycol monobutyl ether) CAS# 111-76-2 – 9.0 ug
- Acetone CAS# 67-64-1 – 4.5 ug
- Benzene CAS# 71-43-2 – 5.0 ug
- Bromopropane (1-) CAS# 106-94-5 – 7.1 ug
- Butyl Acetate (n-) CAS# 123-86-4 – 5.4 ug
- Butyl Cellosolve Acetate (Ethylene glycol monobutyl ether acetate) CAS# 112-07-2 – 9.0 ug
- Ethanol CAS# 64-17-5 – 10 ug
- Ethyl Benzene CAS# 100-41-4 – 5.0 ug
- Ethyl Acetate CAS# 141-78-6 – 5.2 ug
- Isopropyl Alcohol CAS# 67-63-0 – 10 ug
- Isopropylbenzene (Cumene) CAS# 98-82-8 – 4.9 ug
- Limonene CAS# 138-86-3 – 4.7 ug
- Methyl Amyl Ketone (MAK) CAS# 110-43-0 – 4.7 ug
- Methyl Ethyl Ketone (MEK) CAS# 78-93-3 – 4.6 ug
- Methyl Isobutyl Ketone CAS# 108-10-1 – 4.6 ug
- Methylene Chloride CAS# 75-09-2 – 6.9 ug
- 2-Pentanone CAS# 107-87-9 – 4.6 ug
- Propylene Glycol Methyl Ether CAS# 107-98-2 – 8.3 ug
- Propylene Glycol Methyl Ether Acetate CAS# 108-65-6 – 8.7 ug
- Tetrachloroethene CAS# 127-18-4 – 8.5 ug
- Toluene CAS# 108-88-3 – 12 ug
- Total VOC as Hexane – 3.8 ug
- Trichloroethene CAS# 79-01-6 – 8.5 ug
- Trimethylbenzenes (isomers) CAS# 25551-13-7 – 5.1 ug
- Xylene (Total) CAS# 1330-20-7 – 4.9 ug
- n-Heptane CAS# 142-82-5 – 3.9 ug
- n-Hexane CAS# 110-54-3 – 3.8 ug

Analytes that can be added to the solvent scan:

- 1,3,5-Trimethylbenzene CAS# 108-67-8 – 3.4 ug
- 1,2,4-Trimethylbenzene CAS# 95-63-6 – 5.1 ug
- 1,2,3-Trimethylbenzene CAS# 108-67-8 – 4.9 ug
- 2-Hexanone (n-Butyl ketone) CAS# 591-78-6 – 4.8 ug
- tert-Butyl acetate CAS# 540-88-5 4.5 ug
- sec-Butyl acetate CAS# 105-46-4 – 4.5 ug
- 4-Chlorobenzotrifluoride CAS# 98-56-6 – 7.1 ug

- Camphor CAS# 464-49-3 – 7.5 ug
- Chlorobenzene CAS# 108-90-7 – 6.2 ug
- Chloroform CAS# 67-66-3 – 36 ug
- Cyclohexane CAS# 110-82-7 – 7.5 ug
- Cyclohexanone CAS# 108-94-1 – 5.4 ug
- Cyclohexene CAS# 110-83-8 – 4.6 ug
- Diisobutyl Ketone CAS# 108-83-8 – 4.5 ug
- Isobutyl Acetate CAS# 110-19-0 – 4.5 ug
- Isopropyl Acetate CAS# 108-21-4 – 4.5 ug
- alpha-Methyl Styrene CAS# 98-83-9 – 4.8 ug
- Methyl Isoamyl Ketone CAS# 110-12-3 – 4.7 ug
- Methyl Methacrylate CAS# 80-62-6 – 4.9 ug
- Methylcyclohexane CAS# 108-87-2 – 4.5 ug
- 1-Propanol CAS# 71-23-8 – 10 ug
- n-Propyl Acetate CAS# 109-60-4 – 4.6 ug
- n-Nonane CAS# 111-84-2 – 4.1 ug
- Pentane CAS# 109-66-0 – 3.6 ug
- n-Octane CAS# 111-65-9 – 4.1 ug
- Styrene CAS# 100-42-5 – 4.8 ug
- n-Decane CAS# 124-18-5 – 4.2 ug
- n-Dodecane CAS# 112-40-3
- n-Undecane CAS# 11120-21-4 – 4.3 ug

**Solvent Scan on TraceAir II 525 Organic Vapor Monitor**  
**Cost: \$210.00 for analysis and \$15 for badge**

**Collection:**

The sample is extracted with a 97:3 (v/v) Carbon disulfide:Benzyl Alcohol solution and analyzed by gas chromatography equipped with a flame ionization detector (GC-FID).

AT525 Badge has a faster uptake rate best for IAQ or concentrations <10 PPMs.

**Analytes:**

- 2-Butoxyethanol CAS# 111-76-2 – 5.4 ug/sample
- Acetone CAS# 67-64-1 – 3.2 ug/sample
- Benzene CAS# 71-43-2 – 3.4 ug/sample
- Bromopropane (1-) CAS# 106-94-5 – 5.4 ug/sample
- Butyl Acetate (n-) CAS# 123-86-4 - 3.6 ug/sample
- Butyl Cellosolve Acetate CAS# 112-07-2 – 5.2 ug/sample
- Chlorobenzene CAS# 108-90-7 – 4.4 ug/sample
- Chloroform CAS# 67-66-3 – 24 ug/sample
- Cyclohexane CAS# 110-82-7 – 5 ug/sample
- Cyclohexanone CAS# 108-94-1 – 4 ug/sample
- Ethanol CAS# 64-17-5 – 200 ug/sample
- Ethyl Acetate CAS# 141-78-6 - 3.6 ug/sample
- Ethyl Benzene CAS# 100-41-4 – 3.4 ug/sample
- Isopropyl Alcohol CAS# 67-63-0 – 200 ug/sample
- Isopropylbenzene (Cumene) CAS# 98-82-8 - 3.4 ug/sample
- Limonene CAS# 138-86-3 – 3.4 ug/sample
- Methyl Ethyl Ketone (MEK) CAS # 78-93-3 – 3.6 ug/sample
- Methyl Amyl Ketone (n-) CAS# 110-43-0 - 3.2 ug/sample
- Methyl Isoamyl Ketone CAS# 110-12-3 – 3.6 ug/sample
- Methyl Isobutyl Ketone CAS# 108-10-1 – 3.6 ug/sample
- Methylene Chloride CAS# 75-09-2 – 10.6 ug/sample
- Methyl Methacrylate CAS# 80-62-6 - 19.6 ug/sample
- Propylene Glycol Methyl Ether Acetate CAS# 108-65-6 – 5.6 ug/sample
- Pentane CAS# 109-66-0 – 10 ug/sample
- 2-Pentanone CAS# 107-87-9 – 3.2 ug/sample
- Propylene Glycol Methyl Ether CAS# 107-98-2 – 5.6 ug/sample
- Styrene CAS# 100-42-5 – 3.8 ug/sample
- Tetrachloroethene CAS# 127-18-4 – 6.4 ug/sample
- Toluene CAS# 108-88-3 – 3.4 ug/sample
- Total VOC as Hexane – 2.6 ug/sample
- Trichloroethene CAS# 79-01-6 – 5.8 ug/sample
- Xylene (Total) CAS# 1330-20-7 – 3.4 ug/sample
- n-Heptane CAS# 142-82-5 – 2.8 ug/sample
- n-Hexane CAS# 110-54-3 – 2.6 ug/sample



**Solvent Scan on AT566 Organic Vapor Monitor**  
**Cost: \$210 for analysis, \$13 for badge**

**Collection:**

The sample is extracted with a 97:3 (v/v) Carbon disulfide:Benzyl Alcohol solution and analyzed by gas chromatography equipped with a flame ionization detector (GC-FID).

AT566 badge has slower uptake rates and best for 8 hour sampling.

**Analytes:**

- 2-Butoxyethanol CAS# 111-76-2 – 5.4 ug/sample
- Acetone CAS# 67-64-1 – 3.2 ug/sample
- Benzene CAS# 71-43-2 – 3.4 ug/sample
- Bromopropane (1-) CAS# 106-94-5 – 5.4 ug/sample
- Butyl Acetate (n-) CAS# 123-86-4 – 3.6 ug/sample
- Butyl Cellosolve Acetate CAS# 112-07-2 – 5.2 ug/sample
- Chlorobenzene CAS# 108-90-7 – 4.4 ug/sample
- Chloroform CAS# 67-66-3 – 24 ug/sample
- Cyclohexane CAS# 110-82-7 – 5 ug/sample
- Cyclohexanone CAS# 108-94-1 – 4 ug/sample
- Ethanol CAS# 64-17-5 – 200 ug/sample
- Ethyl Acetate CAS# 141-78-6 – 3.6 ug/sample
- Ethyl Benzene CAS# 100-41-4 – 3.4 ug/sample
- Isopropyl Alcohol CAS# 67-63-0 – 200 ug/sample
- Isopropylbenzene (Cumene) CAS# 98-82-8 – 3.4 ug/sample
- Limonene CAS# 138-86-3 – 3.4 ug/sample
- Methyl Amyl Ketone (MAK) CAS# 110-43-0 – 3.2 ug/sample
- Methyl Ethyl Ketone (MEK) CAS# 78-93-3 – 3.6 ug/sample
- Methyl Isoamyl Ketone CAS# 110-12-3 – 3.6 ug/sample
- Methyl Isobutyl Ketone CAS# 108-10-1 – 3.6 ug/sample
- Methyl Methacrylate CAS# 80-62-6 – 19.6 ug/sample
- Methylene Chloride CAS# 75-09-2 – 10.6 ug/sample
- Propylene Glycol Methyl Ether Acetate CAS# 108-65-6 – 5.6 ug/sample
- Pentane CAS# 109-66-0 – 10 ug/sample
- 2-Pentanone CAS# 107-87-9 – 3.2 ug/sample
- Propylene Glycol Methyl Ether CAS# 107-98-2 – 5.6 ug/sample
- Styrene CAS# 100-42-5 – 3.8 ug/sample
- Tetrachloroethene CAS# 127-18-4 – 6.4 ug/sample
- Toluene CAS# 108-88-3 – 3.4 ug/sample
- Total VOC as Hexane – 2.6 ug/sample
- Trichloroethene CAS# 79-01-6 – 5.8 ug/sample
- Xylene (Total) CAS# 1330-20-7 – 3.4 ug/sample
- n-Heptane CAS# 142-82-5 – 2.8 ug/sample
- n-Hexane CAS# 110-54-3 – 2.6 ug/sample

**GC Pesticides by modified EPA 8081 and OSHA 62, 67, 70 Collection:**

These analytes can be collected on an OVS-2 (SKC 226-58). The sample is extracted with Toluene and analyzed by gas chromatography equipped with an electron capture detector (GC-ECD) or flame ionization detector (GC-FID). The recommended flow rate is 1.0 LPM for 60 to 480 minutes (60-480 L). The fee for a Pesticide scan is \$410.00/sample plus \$13.00 OVS-2 media charge.

**Analytes included in Pesticide Scan:**

1. Aldrin (CAS#: 309-00-2) – 10 ng
2. alpha-BHC (CAS#: 319-84-6)
3. beta-BHC (CAS#: 319-85-7)
4. delta-BHC (CAS#: 319-86-8)
5. gamma-BHC (Lindane) (CAS#: 58-89-9)
6. cis-Chlordane (CAS#: 5103-71-9)
7. trans-Chlordane (CAS#: 5103-74-2)
8. p,p-DDD (CAS#: 72-54-8) – 10 ng
9. p,p-DDE (CAS#: 72-55-9) – 10 ng
10. p,p-DDT (CAS#: 50-29-3) – 10 ng
11. Dieldrin (CAS#: 60-57-1) – 10 ng
12. Endosulfan I (CAS#: 959-98-8)
13. Endosulfan II (CAS#: 33213-65-9)
14. Endosulfan sulfate (CAS#: 1031-07-8)
15. Endrin (CAS#: 72-20-8) – 10 ng
16. Endrin aldehyde (CAS#: 7421-93-4)
17. Endrin ketone (CAS#: 53494-70-5)
18. Heptachlor (CAS#: 76-44-8) – 10 ng
19. Heptachlor epoxide (CAS#: 1024-57-3) - 0.2ug
20. Methoxychlor (CAS#: 72-43-5)

**Individually requested analytes:**

The fee for an individual analyte is \$120/sample -1st analyte; each additional is \$60/sample

1. Bifenthrin – 10 ng
2. Captan (CAS#: 133-06-2) – 10 ng
4. Chlorethoxyfos (CAS#: 54593-83-8) – 0.2 ug
5. Chlorothalonil (CAS#: 1897-45-6) – 10 ng
6. Chlorpyrifos (CAS#: 2921-88-2) – 10 ng
7. Cyfluthrin (CAS#: 68359-37-5) – 10 ng
8. Cypermethrin (CAS#: 52315-07-8) – 0.3 ug
9. Deltamethrin (CAS#: 52918-63-5) – 1 ug
10. Diazinon (CAS#: 333-41-5) – 10 ng
11. Dichlorvos (CAS#: 62-73-7) – 10 ng
12. Dimethoate (CAS#: 60-51-5) – 0.2 ug
13. Esfenvalerate (CAS#: 66230-04-4) – 1 ug
14. Ethyl Parathion (CAS#: 56-38-2) – 10 ng
15. Fipronil (CAS#: 120068-37-3) – 10 ng
16. Imidacloprid (CAS#: 138261-41-3) – 10 ng
17. Malathion (CAS#: 121-75-5) – 10 ng
18. Metofluthrin (CAS#: 240494-70-6) – 0.2 ug
19. Metribuzin (CAS#: 21087-64-9) – 10 ng
20. Pendimethalin (CAS#: 40487-42-1) – 10 ng
21. Permethrin (CAS#: 52645-53-1) – 1 ug

### **GC organophosphate Pesticides by modified EPA 8141B and OSHA 62, 67, 70**

The lab does perform a variety of organophosphate pesticides testing. Below is a potential list of organophosphate pesticides we may be able to analyze for depending on availability of standards. Please call lab for details.

1. Aspon (CAS# 3244-90-4)
2. Azinphos-ethyl (CAS# 2642-71-9)
3. Azinphos-methyl (CAS#86-50-0)
4. Bolstar (Sulprofos) (CAS# 35400-43-2)
5. Carbophenothion (CAS# 786-19-6)
6. Chlorfenvinphos (CAS# 470-90-6)
7. Chlorpyrifos (CAS# 2921-88-2)
8. Chlorpyrifos methyl (CAS# 5598-13-3)
9. Coumaphos (CAS# 56-72-4)
10. Crotoxyphos (CAS# 7700-17-6)
11. Demeton-O (CAS# 8065-48-3)
12. Demeton-S (CAS# 8065-48-3)
13. Diazinon (CAS# 333-41-5)
14. Dichlorofenthion (CAS# 97-17-6)
15. Dichlorvos (DDVP) (CAS# 62-73-7)
16. Dicrotophos (CAS# 141-55-2)
17. Dimethoate (CAS# 60-51-5)
18. Dioxathion (CAS# 78-34-2)
19. Disulfoton (CAS# 298-04-4)
20. EPN (CAS# 2104-64-5)
21. Ethion (CAS#563-12-2)
22. Ethoprop (CAS# 13194-48-4)
23. Famphur (CAS# 52-85-7)
24. Fenitrothion (CAS# 122-14-5)
25. Fensulfothion (CAS#115-90-2)
26. Fenthion (CAS# 55-38-9)
27. Fonophos (CAS#944-22-9)
28. Leptophos (CAS# 21609-90-5)
29. Malathion (CAS# 121-75-5)
30. Merphos (CAS# 150-50-5)
31. Mevinphos (CAS# 7786-34-7)
32. Monocrotophos (CAS# 6923-22-4)
33. Naled (CAS# 300-76-5)
34. Parathion, ethyl (CAS# 56-38-2)
35. Parathion, methyl (CAS# 298-00-0)
36. Phorate (CAS# 298-02-2)
37. Phosmet (CAS# 732-11-6)
38. Phosphamidon (CAS# 13171-21-6)
39. Ronnel (CAS# 299-84-3)
40. Stirophos (Tetrachlorvinphos,Gardona (CAS# 22248-79-9)
41. Sulfotepp (CAS# 3689-24-5)
42. Tetraethyl pyrophosphate (TEPP)d (CAS# 107-49-3)
43. Terbufos 13071-79-9
44. Thionazin (Zinophos) 297-97-2
45. Tokuthion (Prothiofos) 34643-46-4
46. Trichlorfon 52-68-6
47. Trichloronate 327-98-0

## 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
<b>\$95.00 BASIC SCAN</b>	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 GHOST WIPE	x	x	x	x	x	x	x	x	x	x																
BULK (+\$10)	x	x	x	x	x	x	x	x	x	x																
<b>\$135.00 EXPANDED</b>	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 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									
<b>\$200.00 FULL SCAN</b>	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
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
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

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 \$40. Each additional metal on the same filter is \$9. 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.