Chubb Environmental Health Laboratory

Industrial Hygiene Sampling Manual

2019

Chubb Environmental Health Laboratory

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Quality

AIHA-LAP, LLC accredited laboratory #100127 (see aihaaccreditedlabs.org for details)

Comprehensive quality control program

State approved laboratory

Service

Prompt technical advice by professional staff

On-line database for historical results

Average turnaround time of six days

Custom analyses to meet individual needs

Information and media provided promptly

Value

Standard sampling media is provided free of charge when returned for analysis

No fee for overnight shipment when six samples or more are received

Mailers and labels are provided

Electronic Reporting

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Revision: 4

Introduction

Chubb Environmental Health Laboratory (EHL) has been providing quality industrial hygiene services since 1978. Chubb EHL brings experience and knowledge of industrial hygiene in assisting you in your industrial hygiene and environmental sampling needs.

Quality Control

Chubb Environmental Health Laboratory has stringent quality standards. Comprehensive quality control programs ensure the accuracy of analytical results through training, method selection and procedures. Approximately 25% to 30% of all analyses performed at our lab are for quality control. Chubb EHL participates in many external proficiency testing (PT) quality programs, including internal PT and round robin programs.

Accreditation/Quality Program Participation

AIHA-LAP, LLC Accreditation (since 1980) #100127
AIHA-LAP, LLC IHLAP
AIHA-LAP, LLC BAPAT
AIHA-LAP, LLC BePAT
AIHA-LAP, LLC EMLAP - Direct Examination
Connecticut Health Lab #PH-510
LGC Air PT Scheme (AR0256) - Formaldehyde
Phenova Air and Emissions PT - TO15 Air Canisters

Methodologies

The sampling section of this manual contains specific information on collection media, flow rates, recommended air volumes and special handling notes on chemicals supported for analysis by Chubb Environmental Health Laboratory. This information has been tabulated from the validated methods cited and from Chubb EHL's own experience with methods development. The recommended flow rates and air volumes are presented as a guide, and in most cases will provide an analytical reporting limit set at a fraction of the TLV. When sampling high concentrations of organic vapors on solid sorbent tubes, breakthrough can occur at these recommended sample volumes.

Policies

Air Express: Next day return delivery is available at no additional charge when submitting six or more samples. Please call the lab for prelabeled return address forms.

Blanks: A minimum of one blank should be submitted for each type of analysis requested in a given batch of samples. A blank is opened and handled like the samples, except no air should be drawn. A fee will be charged for the analysis of blanks, as they are handled like samples.

Breakthrough: Sorbent tubes and impingers in series are analyzed as front and back sections with one result reported. If breakthrough occurs, it is noted on the report.

Chain of Custody (COC): Request for Analytical Services Forms are provided at no cost and are available online at https://www.chubb.com/us-en/_assets/doc/requestform-ih.xlsx Detailed completion of this form and clear numbering of samples will eliminate unnecessary phone calls and delays.

Discounts: A 10% discount will be given for 20 or more samples involving identical analyses. Discounts for repetitive or large volume sample submission can be negotiated; please call the lab for discussion.

Price: Prices listed within the manual are for the first component. The following fees will be charged for additional components on the same media:

Metals (Flame, ICP) $28	Ion Chromatography $44	Liquid Chromatography/Amines $60
Gas Chromatography (FID) $35	Aldehydes $60	Prices may be subject to change.

Record Keeping: Reports, COC and supporting analytical data are maintained for seven years.

Rush: Rush service is available for most analytes at a 100% surcharge. Please call to arrange for rush work.

Sample Mailers: Return address mailers for your samples are available free of charge.

Sample Materials: There is no charge for common sampling materials and media returned for analysis (see pg 8 for media charges). Materials are shipped by Fed-Ex. Additional charges apply to next day deliveries of sample media. There will be a charge for media not returned for analysis within 60 days, and for perishable media not returned for analysis prior to expiration.

Sampling Trains: Trains containing both a filter and a sorbent tube in series are charged separately if analyzed and reported separately, unless a prior agreement has been made on how to process the samples.

Toll Free Number: Call 1-800-243-4903 for access to technical assistance, or to place an order.

Three Sample Minimum: A three sample minimum will be charged for any analyte or series of analytes in a single request, i.e., the total cost for analysis of fewer than three identical samples will be three times the unit price.

Turnaround Time: Average turnaround time for metals is four working days. Average turnaround time on other analyses is six working days.

Warranty: All sample results are strictly confidential and will not be released to anyone other than the sample submitter without the permission of the client. Chubb EHL cannot be responsible for loss of samples, and reserves the right to refuse samples which are not collected on the appropriate sampling medium. Chubb EHL will employ qualified personnel and, where possible, will use established analysis techniques. Chubb EHL makes no other warranties expressed or implied.

Notes - General

A. DNPH tubes offgas Acetonitrile during sampling. The small CT collects the Acetonitrile and can be disposed of after sampling.

C. Call Chubb EHL prior to sampling if analysis is required.

E. Keep drying tube attached to the charcoal tube throughout sampling. Ship samples back to the lab with drying tube still attached.

G. Add Total Volatile Organic Compounds (TVOC) and Top 10 Tentatively Identified Compounds (TIC) to any scan for $50 per sample.
TVOC and TIC only would be $200 per sample. See individual scans for more custom options.

F. After sampling, foil should be wrapped around samples so that the samples will not be degraded by exposure to light.

H. Heavy dust deposits will hinder microscopic fiber counts. Take short term samples if high dust levels are anticipated. The analysis is not specific for asbestos: all fibers that meet the NIOSH definition (>5 microns, >3:1 [5:1 for 7400 B rules] length to width ratio) are counted.

I. For Trivalent and Hexavalent Chromium samples, specify sampling process for each sample (i.e. plating, welding, painting), date and time of sampling.

O. Overnight shipping required.

P. A prefilter is used to prevent particulates from entering the impinger or solid sorbent. Only gaseous compounds will be collected on the media behind a prefilter.

R. Refrigerate. Ship samples by overnight delivery in a cooler with blue ice refrigerant or dry ice.

S. Submit as a separate sample. Other compounds cannot be analyzed accurately when sampled with this compound. However, to insure accurate analysis, it is critical that other compounds present in the sampling area be specified.

T.

1.) Transfer the filter to a clean screw cap bottle within one hour after sampling to avoid loss of sample. Handle the filter with tweezers only.

2.) Transfer the filter to a small vial containing 2 mL of deionized water as soon as sampling is completed. Handle the filter with tweezers only.

3.) Transfer the filter to a vial and add 10 mL 1% Acetic Acid immediately after sampling. Handle the filter with tweezers only.

4.) Transfer the filter into a vial containing 3 mLs of 90:10 Acetonitrile:DMSO immediately after sampling. Handle the filter with tweezers only. These samples should be shipped separate from any samples requiring organic analyses to avoid possible contamination.

5.) Transfer the filter to a vial containing 2 mL methanol immediately after sampling. Handle the filter with tweezers only.

6.) Transfer both the impinger contents and the filter into a clean vial. Handle the filter with tweezers only.

7.) Transfer the filter after sampling to a small vial containing 1 mL 98:2 H2O:Isopropanol. Handle the filter with tweezers only.

8.) Transfer filter to glass vial containing 3 mL 0.1N Methanolic Potassium Hydroxide within 4 hours after sampling. Handle the filter with tweezers only.

Y. Silica gel has greatly reduced capacity at high humidity.

Notes - Desorption Codes

The referenced method desorption solvents are listed below. Analytes requiring the same sampling media and desorption solvents can often be sampled together. Many analytes can also be desorbed in a solvent other than the solvent referenced in the method. Please call the lab when multiple analytes with different desorption solvents are needed on the same media.

Code	Desorption Solvent
D1	Carbon Disulfide (CS2)
D2	CS2/Alcohol
D3	(95:5) CS2/n-Propanol
D4	(98:2) CS2/Acetone
D5	(95:5) Methanol/CS2
D6	(50:50) Acetonitrile/Toluene
D7	Toluene
D8	(95:5) CS2/Methanol
D10	Dimethyl Formamide
D11	Methanol
D12	Ethanol
D13	Hexane
D14	Water
D15	Ethyl Acetate
D16	(50:50) Toluene/2-Propanol

Code	Desorption Solvent
D17	Benzene
D18	Tetrahydrofuran
D19	(90:10) Methylene Chloride/Methanol
D20	Isooctane
D21	Ethyl Ether
D22	(80:20) Methanol/Water
D23	Methylene Chloride
D24	(50:50) CS2/Dimethylformamide
D25	(90:10) Toluene/Acetone
D26	Acetone
D27	2-Propanol
D28	0.1M H2SO4/0.3M KOH (2 steps)
D30	Carbon Tetrachloride
D31	Formic Acid
D32	(99:1) Benzene/Methanol

Code	Desorption Solvent
D33	(98:2) Water/2-Propanol
D34	0.1M H2SO4
D35	(99:1) CS2/Dimethylformamide
D36	(40:60) CS2/Dimethylformamide
D37	Dimethyl Sulfoxide
D38	(99:1) CS2/Methanol
D39	0.05M H2SO4/1.2M NaOH(2 steps)
D40	0.05% Acetic Acid in 2-Propanol
D41	(90:10) Methanol/Ethyl Acetate
D42	(95:5) Methylene Chloride/Methanol

Analytical Instrumentation Abbreviations

AA-G	Atomic Absorption Spectrophotometry, Graphite Furnace
AA-CV	Atomic Absorption Spectrophotometry, Cold Vapor
Color	Colorimetric
GC/ECD	Gas Chromatography, Electron Capture Detector
GC/ELCD	Gas Chromatography, Electrolytic Conductivity Detector
GC/FID	Gas Chromatography, Flame Ionization Detector
GC/FPD	Gas Chromatography, Flame Photometric Detector
GC/MS	Gas Chromatography, Mass Spectrometry
GC/NPD	Gas Chromatography, Nitrogen Phosphorus Detector
GC/PID	Gas Chromatography, Photo-Ionization Detector
HPLC/Fluor	High Performance Liquid Chromatography, Fluorescence Detector
HPLC/UV	High Performance Liquid Chromatography, Ultraviolet Detector
IC	Ion Chromatography
ICP	Inductively Coupled Plasma
ISE	Ion Specific Electrode
PCM	Phase Contrast Microscopy
PLM	Polarized Light Microscopy
TOA	Thermal Optical Analyzer
XRD	X-ray Diffraction

Sampling Media Abbreviations

Abbreviation	Filter Media	Typically Used For	*Charge
3M OVM†	passive monitor media from 3M	Various Organics	$20.00
OVM 3551	HBR treated passive monitor	Ethylene Oxide	$30.00
PTFE/AG**	teflon/cleaned silver membrane, plastic backup, 25mm, 0.45 um 3pc	Chlorine, Bromine	$6.00
AOC	Air-O-Cell Cassette	Fungal spore count	$6.00
Assay #	passive media from Assay Technologies (#=badge number)	Various Organics	$20.00
Biotape	Biotape	Fungal ID, Tape lift	$0.00
CT (Large or small)†	charcoal tube	Benzene, Toluene, etc.	$0.00
DNPH-Tr. Tube**	media coated with 2,4-Dinitrophenylhydrazine	Various aldehydes	$0.00
DNPH-Tr. Passive Badge**	media coated with 2,4-Dinitrophenylhydrazine	Various aldehydes	$20.00
FGB	fritted glass bubbler (impinger samples)	Gaseous collection in liquid solution	$0.00
GF	glass fiber, 37mm, 2-pc	Pesticides	$0.00
GF/13mm	glass fiber, 13mm Swinnex	PCBs	$0.00
GFZ**	37mm glass fiber filter treated with 1-(2-pyridyl) piperazine, 3-pc	Various diisocyanates	$0.00
GSA**	2 sulfuric acid treated glass fibers in series, 3-pc	Various Amines & LC analyses	$0.00
GVA**	2 veratrylamine treated 37mm glass fibers in series, 4-pc	Anydrides (maleic, acetic, trimellitic)	$0.00
IMP	impinger solution (varies)	Dust or vapor collection in liquid solution	$0.00
MCE/25mm	mixed cellulose ester,25mm, 0.8 um 3-pc. W/cowl	Fiber counts	$0.00
MCE/37mm	mixed cellulose ester,37mm, 0.8 um 3-pc	Metals	$0.00
MWAA	MCE, 37mm, 0.8 um, 3-pc, 2 filters matched in weight	Welding fumes, Metals, glass fibers	$0.00
NITC-Tr. Tube**	media coated with 1-Naphthylisothiocyanate	Various amines	$0.00
NITC-Tr. Passive Badge**	media coated with 1-Naphthylisothiocyanate	Various amines	$25.00
Orbo 91 (Carbosieve S-111)	Carbosieve S-111 tube	Acetone, MEK, MeCl, Vinyl Chloride, etc.	$10.00
OVS	OSHA Versatile Sampler	Various Organics	$18.00
PM	passive monitor (e.g. 3M, Assay)	Various Organics	$20.00
PTFE	teflon w/polypropylene backing; 37mm, 2-pc	PNA/s	$0.00
PTFE-PW***	pre-weighed teflon w/polypropylene backing; 37mm, 2-pc	Coal tar pitch volatiles, Metal Working Fluids	$0.00
PVC	polyvinylchloride, 37mm, 5 um; 2-pc	CrVI	$0.00
PVC-PW***	pre-weighed polyvinylchloride, 37mm, 5 um 2-pc	SiO2,dust,SKC bell shaped cyclone	$0.00
SGT (Large or small)	silica gel tube	Aniline, Methanol	$0.00
P-SGT	pre-cleaned silica gel tube (water washed)--Orbo 53 or SKC 226-10-03	Inorganic acids	$0.00
SS	stainless steel support screen	Various GC & LC analyses	$0.00
Thermosorb Tubes	Thermosorb N Tubes	Nitrosamines	$50.00
Canister††	passivated stainless steel canister evacuated to -30 inches Hg	Volatile organic compounds by GCMS	$50.00††

* EHL reserves the right to charge for any unreturned media.

** Treated media have definite shelf lives and will have their expiration dates indicated on their labels. These filters must be stored and shipped cold.

*** Preweighed filters should not be kept longer than one year. A blank sample from the same sample batch should be sent in with all preweighed filter projects. When collecting dust samples for "indoor air" evaluations Chubb EHL recommends collecting a minimum of 1000 liters of air.

† Analytes that are collected on charcoal tubes may also be collected on OVM passive monitors.

†† Each canister is conditioned, analyzed and specially packaged for shipment. Due to the associated costs in providing canisters having a low background, Chubb EHL asks clients to only order equipment expected to be used immediately. Storage of canisters for periods greater than one month is not recommended.

Chubb EHL will charge clients a $50 reconditioning fee for each returned canisters/flow controller that will not be analyzed. Each canisters/flow controller that will not be returned within 1 week may be subject to a $50/week rental charge. A charge of up to $1,250 will apply for each canister/regulator broken, damaged, or not returned.

Analytical Scans

Aldehyde Scan TO11

EPA T0-11 HPLC/UV
Price: $255.00

Acetaldehyde
Benzaldehyde
Butyraldehyde
Crotonaldehyde
2,5-Dimethylbenzaldehyde
Formaldehyde
Hexaldehyde
Isovaleraldehyde
o,m,p-Tolualdehyde
Propionaldehyde
Valeraldehyde

Collection Media: DNPH Tube (SKC 226-119)
or PM (Assay N571-AT)
Air Volume: 15 - 120 Liters or >240 minutes
Sampling Rate: 0.1 - 1.0 LPM
Reporting Limit: 0.05 - 2 ug

Isocyanate Scan O42/47

OSHA 42 & 47 HPLC/UV & Fluor
Price: $215.00

Hexamethylene Diisocyanate (HDI)
Isophorone Diisocyanate (IPDI)
Methylene Bisphenyl Diisocyanate (MDI)
Toluene-2,4-diisocyanate (2,4-TDI)
Toluene-2,6-diisocyanate (2,6-TDI)

Collection Media: GFZ*
Air Volume: 15 - 60 Liters **Open Faced**
Sampling Rate: 1.0 LPM (Max.)
Reporting Limit: 0.1 ug - 0.3 ug

*Transfer GFZ filter into a vial containing 3 mLs of 90:10 Acetonitrile:DMSO immediately after sampling. Handle the filter with tweezers only. These samples should be shipped separate from any samples requiring organic analyses to avoid possible contamination.

*PNA Scan N5506

NIOSH 5506 HPLC/UV & Fluor
Price: $255.00

Acenaphthene
Acenaphthylene
Anthracene
Benz(a)anthracene
Benzo(b)fluoranthene
Benzo(k)fluoranthene
Benzo(ghi)perylene
Benzo(a)pyrene
Chrysene
Dibenz(ah)anthracene
Fluoranthene
Fluorene
Indeno(1,2,3-cd)pyrene
Naphthalene
Phenanthrene
Pyrene

Collection Media: PTFE/2um + Orbo 43 Tube
Air Volume: 300 - 960 Liters
Sampling Rate: 2.0 LPM
Reporting Limit: 0.05 - 1.0 ug

Amine Scan O60

OSHA ID 60 HPLC/UV
Price: $205.00

Butylamine
Cyclohexylamine
Diethanolamine
Diethylamine
Diethylenetriamine
Dimethylamine
Ethanolamine
Ethylamine
Ethylenediamine
Isopropylamine
Methylamine

Collection Media: NITC Tr. XAD-2 Tube or Badge
Air Volume: 1.5 - 12 Liter or >120 minutes
Sampling Rate: 0.1 LPM
Reporting Limit: 0.5 ug or 1.0 ug

*Transfer filters to glass vials after sampling, and wrap tubes and vials with foil to protect from light. Deliver samples refrigerated overnight.

Acid Scan, Inorganic O165

OSHA ID 165 SG & OSHA ID 174 SG IC
Price: $145.00 (Air); $165.00 (Bulk)

Hydrogen Bromide	Phosphoric Acid
Hydrogen Chloride	Sulfuric Acid
Nitric Acid	

Collection Media:	P-SGT
Air Volume:	30 - 100 Liters
Sampling Rate:	0.2 LPM
Reporting Limit:	0.7 - 3.1 ug

Acid Scan, Organic E4120

EHL 4120 IC
Price: $210.00

Acetic Acid	Isovaleric Acid
Butyric Acid	Malonic Acid
Citric Acid	Oxalic Acid
Formic Acid	Propionic Acid
Glycolic Acid	Valeric Acid

Collection Media:	0.5 um PTFE (25mm) + P-SGT
Air Volume:	6 - 24 Liters
Sampling Rate:	0.05 - 0.2 LPM
Reporting Limit:	3 ug

Cation Scan O188

OSHA ID 188 IC
Price: $140.00

Ammonium	Magnesium
Calcium	Potassium
Lithium	Sodium

Collection Media:	PTFE/1um*
Air Volume:	120 Liters
Sampling Rate:	0.5 - 1.0 LPM
Reporting Limit:	0.5 - 5.0 ug

Metal Scan, Common O125G

OSHA ID 125G ICP
Price: $140.00 (Air); $170.00 (Bulk)

Aluminum	Iron
Antimony	Lead
Arsenic	Manganese
Beryllium	Molybdenum
Cadmium	Nickel
Chromium	Vanadium
Cobalt	Zinc
Copper	

Collection Media:	MCE Filter
Air Volume:	600 Liters
Sampling Rate:	1 - 4 LPM
Reporting Limit:	0.015 - 30 ug

Metal Scan, Welding O125G

OSHA ID 125G ICP
Price: $110.00 (Air); $140.00 (Bulk)

Aluminum	Lead
Cadmium	Manganese
Chromium	Nickel
Copper	Tin
Iron	Zinc

Collection Media:	MCE Filter
Air Volume:	300 Liters
Sampling Rate:	1 - 4 LPM
Reporting Limit:	0.04 - 30 ug

Volatile Organic Scan MDHS 104

MDHS 104
GC/MS Quantitative Scan
72 Components
Price: $200.00

Acetone
Acetonitrile
Acrylonitrile
Benzene
Benzyl Chloride
Bromoform
n-Butanol
2-Butoxyethyl Acetate
Butyl Acetate
Carbon Tetrachloride
Chlorobenzene
Chloroform
o-Chlorotoluene
Cumene
Cyclohexane
Cyclohexanol
Decane
o-Dichlorobenzene
Dichloromethane
Diisobutyl Ketone
Dimethyl Disulfide
1,4-Dioxane
Ethanol
Epichlorohydrin
2-Ethoxyethanol
Ethyl Acetate
Ethyl Benzene
Ethylene Dibromide
Ethylene Dichloride
Heptane
n-Hexane
Isobutanol
Isobutyl Acetate
Isopropyl Acetate
d-Limonene
1-Methoxy-2-propanol
1-Methoxypropyl-2-acetate
Methylcyclopentane
2-Methylpentane
3-Methylpentane
Methyl Acetate
Methyl Amyl Ketone
Methyl Butyl Ketone
Methyl Chloroform
Methyl Ethyl Ketone
Methyl Isobutyl Ketone
Methyl tert-Butyl Ether
Methyl Methacrylate
Methyl Propyl Ketone
a-Methyl Styrene
Nonane
Octane
Pentane
1-Pentyl Acetate
a-Pinene
b-Pinene
2-Propanol
Propyl Acetate
Propylene Dichloride
Styrene
1,1,2,2-Tetrachloroethane
Tetrachloroethylene
Tetrahydrofuran
Toluene
1,1,2-Trichloroethane
Trichloroethylene
1,2,3-Trimethylbenzene
1,2,4-Trimethylbenzene
1,3,5-Trimethylbenzene
m,p-Xylene
o-Xylene

Collection Media: Charcoal Tube or OVM
Reporting Limit: 2.0 ug - 30 ug
Air Volume: 10 - 50 Liters
Sampling Rate: 0.05 - 0.2 LPM

Nitrosamines Scan N2522

NIOSH 2522
GC/MS Quantitative Scan
8 Components
Price: $225.00, plus $50 per media.

Nitrosobutylamine
Nitrosodiethylamine
Nitrosodimethylamine
Nitrosodipropylamine
Nitrosomethylethylamine
Nitrosomorpholine
Nitrosopiperidine
Nitrosopyrrolidine

Collection Media: Thermosorb N Tubes
Reporting Limit: 0.025 ug
Air Volume: 420 - 960 Liters
Sampling Rate: 0.2 - 2.0 LPM

Add Total Volatile Organic Compounds (TVOC), Other Volatile Organic Compounds (OVOC) and Top 10 Tentatively Identified Compounds (TICs) to any scan for $50 per sample.

All of the above Solvent Scan chemicals are compatible with canister analysis. Please contact EHL to discuss your application.

TO-14 Scan

EPA TO-14

GC/MS Quantitative Scan

39 Components, C_3-C_{12} range

Price: $225.00

Benzene
Bromomethane
Carbon Tetrachloride
Chlorobenzene
Chloroethane
Chloroform
Chloromethane
m-Dichlorobenzene
o-Dichlorobenzene
p-Dichlorobenzene
Dichlorodifluoromethane
1,1-Dichloroethane
1,2-Dichloroethane
1,1-Dichloroethylene
cis-1,2-Dichloroethylene
1,2-Dichloropropane
cis-1,3-Dichloropropene
trans-1,3-Dichloropropene
Dichlorotetrafluoroethane
Ethyl Benzene
Ethylene Dibromide
Hexachlorobutadiene
Methylene Chloride
Styrene
1,1,2,2-Tetrachloroethane
Tetrachloroethylene
Toluene
1,2,4-Trichlorobenzene
1,1,1-Trichloroethane
1,1,2-Trichloroethane
Trichloroethylene
Trichlorofluoromethane
1,1,2-Trichlorotrifluoroethane
1,2,4-Trimethylbenzene
1,3,5-Trimethylbenzene
Vinyl Chloride
m/p-Xylene
o-Xylene

TO-15 Scan

EPA TO-15

GC/MS Quantitative Scan

101 Components, C_3-C_{12} range

Price: $275.00

Acetone
Acetonitrile
Acrylonitrile
Allyl Chloride
Benzene
Benzyl Chloride
Bromodichloromethane
Bromoethane
Bromoethene
Bromoform
Bromomethane
1,3-Butadiene
Butane
Butylbenzene
sec-Butylbenzene
tert-Butylbenzene
Camphene
Carbon Disulfide
Carbon Tetrachloride
3-Carene
Chlorobenzene
Chloroethane
Chloroform
Chloromethane
Cumene
Cyclohexane
Decane
Dibromochloromethane
1,2-Dibromo-3-chloropropane
m-Dichlorobenzene
o-Dichlorobenzene
p-Dichlorobenzene
Dichlorodifluoromethane
1,1-Dichloroethane
1,2-Dichloroethane
1,1-Dichloroethylene
cis-1,2-Dichloroethylene
trans-1,2-Dichloroethylene
1,2-Dichloropropane
1,3-Dichloropropane
cis-1,3-Dichloropropene
trans-1,3-Dichloropropene
Dichlorotetrafluoroethane
1,4-Dioxane
Dodecane
Epichlorohydrin
Ethanol
Ethyl Acetate
Ethyl Acrylate
Ethyl Benzene
Ethylene Dibromide
4-Ethyltoluene
Formaldehyde
Heptane
Hexachlorobutadiene
n-Hexane
4-Isopropyltoluene
Isobutane
Isooctane
d-Limonene
Methyl *tert*-Butyl Ether
Methyl Butyl Ketone
Methyl Ethyl Ketone
Methyl Iodide
Methyl Isobutyl Ketone
Methyl Methacrylate
Methylene Chloride
Naphthalene
Nonane
Octane
Pentane
4-Phenylcyclohexene
a-Pinene
b-Pinene
2-Propanol
Propane
Propene
Propylbenzene
Styrene
1,1,1,2-Tetrachloroethane
1,1,2,2-Tetrachloroethane
Tetrachloroethylene
1,1,1,2-Tetrafluoroethane
Tetrahydrofuran
Toluene
1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
1,1,1-Trichloroethane
1,1,2-Trichloroethane
Trichloroethylene
Trichlorofluoromethane
1,1,2-Trichloro-1,2,2-trifluoroethane
1,2,3-Trimethylbenzene
1,2,4-Trimethylbenzene
1,3,5-Trimethylbenzene
Undecane
Vinyl Acetate
Vinyl Chloride
m,p-Xylene
o-Xylene

Collection Media: Silonite Coated Canisters (0.050, 1.0, 1.4 or 6.0 Liters)
Sampling Rate: 30 seconds to 7 days (canister & restrictor dependent)
Reporting Limit: 0.5 ppb nominal (chemical & sampler dependent)

Add Total Volatile Organic Compounds (TVOC) and Top 10 Tentatively Identified Compounds (TICs) to any scan for $50 per sample.
Chemical Identification Only - Total Volatile Organic Compounds (TVOC) and Top 10 Tentatively Identified Compounds (TICs) for $200 per sample.
Choose which individual compound(s) to report from any single canister scan listed in this manual, starting at $150 with additional compounds $10 per compound.
Multiple scans can be analyzed from a single canister sample but "Heated TO-15" methods require specialized flow controllers. Please plan accordingly before sample collection.
EHL can create customized gas calibration standards for most any volatile compound. Please contact us to discuss your unique canister analysis needs.

Note: Chemically treated tubes and filters (such as DNPH and GFZ) offgas chemicals which can be detected in Air Scans. Therefore, Air Scan samples should be taken prior to sampling with any treated media.

Aldehyde Scan TO15

EPA TO-15
GC/MS Quantitative Scan
18 Components, C_3-C_{12} range
Price: $300.00

Acetaldehyde	2,5-Dimethylbenzaldehyde	Octanal
Acrolein	Formaldehyde	Propanal
Benzaldehyde	Furfural	m-Tolualdehyde
Butyraldehyde	Heptanal	o-Tolualdehyde
Crotonaldehyde	Hexanal	p-Tolualdehyde
Decanal	Nonanal	Valeraldehyde

Glutaraldehyde and o-Phthaldehyde (see **SVOC Scan**)

Cannabis Odor Scan TO15

Heated EPA TO-15
GC/MS Quantitative Scan
29 Components, C_5-C_{17} range
Price: $350.00

Anethole	o-Guaiacol	Methyl Anthralinate	
Benzaldehyde	Heptanal	Methylisohexenyl ketone	
b-Caryophyllene	Hexanal	b-Myrcene	
Camphor	a-Humulene	Nerol	
2-Chloroacetophenone	Isobutyraldehyde	Nonanal	
o-cymene	d-Limonene	Octanal	
p-Cymene	Linalool	Phenol	
Decanal	Linalyl Acetate	Phenylethyl Alcohol	
Dimethyl Sulfide	o-Methylacetopheneone	Salicylaldehyde	
2-Ethyl-1-hexanol	p-Methylacetopheneone	a-Terpineol	

Sulfur Compound Scan TO15

EPA TO-15
GC/MS Quantitative Scan
29 Components, C_3-C_{12} range
Price: $300.00

Allyl Disulfide	Hydrogen Sulfide	*sec* -Butyl Mercaptan	
Allyl Sulfide	Propyl Disulfide	*tert* -Butyl Mercaptan	
sec -Butyl Disulfide	Propyl Sulfide	Ethyl Mercaptan	
tert -Butyl Disulfide	2-Ethyl Thiophene	Heptyl Mercaptan	
Butyl Sulfide	2-Methyl Thiophene	Hexyl Mercaptan	
Carbon Disulfide	Tetrahydrothiophene	Isobutyl Mercaptan	
Carbonyl Sulfide	Thiophene	Isopropyl Mercaptan	
Diethyl Sulfide	Allyl Mercaptan	Methyl Mercaptan	
Dimethyl Disulfide	Amyl Mercaptan	Propyl Mercaptan	
Dimethyl Sulfide	Butyl Mercaptan		

Collection Media: Silonite Coated Canisters (0.050, 1.0, 1.4 or 6.0 Liters) **Note: For Heated EPA TO-15 use 0.050 or 1.4 Liters**
Sampling Rate: 30 seconds to 7 days (canister & restrictor dependent) **Note: For Heated EPA TO-15, the sampling rate is 30 seconds to 1 hour**
Reporting Limit: 0.25 - 0.5 ppb nominal (chemical & sampler dependent)

Add Total Volatile Organic Compounds (TVOC) and Top 10 Tentatively Identified Compounds (TICs) to any scan for $50 per sample.
Chemical Identification Only - Total Volatile Organic Compounds (TVOC) and Top 10 Tentatively Identified Compounds (TICs) for $200 per sample.
Choose which individual compound(s) to report from any single canister scan listed in this manual, starting at $150 with additional compounds $10 per compound.
Multiple scans can be analyzed from a single canister sample but "Heated TO-15" methods require specialized flow controllers. Please plan accordingly before sample collection.
EHL can create customized gas calibration standards for most any volatile compound. Please contact us to discuss your unique canister analysis project.

Note: Chemically treated tubes and filters (such as DNPH and GFZ) offgas chemicals which can be detected in Air Scans. Therefore, Air Scan samples should be taken prior to sampling with any treated media.

Semivolatile Organic Scan TO15

Heated EPA TO-15
GC/MS Quantitative Scan
74 Components, C_6-C_{17} range
Price: $350.00

Alkanes
Heptadecane
Hexadecane
Pentadecane
Tetradecane
Tridecane

Anilines
Aniline
Azobenzene
4-Chloroaniline
2-Nitroanaline
3-Nitroaniline
4-Nitroaniline
Pyridine

Cellosolves
2-Butoxyethanol
2-(2-Butoxyethoxy)ethanol
2-Butoxyethyl Acetate
2-Ethoxyethanol
2-Ethoxyethyl Acetate
2-(2-Ethoxyethoxy)ethanol
2-(2-Ethoxyethoxy)ethyl Acetate
2-Methoxyethanol
2-(2-Methoxyethoxy)ethanol
2-Methoxyethyl Acetate
2-Propoxyethanol

Chlorinates
Bis(2-chloroethoxy)methane
Bis(2-chloroethyl)ether
4-Chlorophenyl phenyl ether
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexachloroethane
2,2'-Oxybis(1-chloropropane)
1,2,4-Trichlorobenzene

Nitroaromatics
1,2-Dinitrobenzene
1,3-Dinitrobenzene
1-4-Dinitrobenzene
2,4-Dinitrotoluene
2,6-Dinitrotoluene
Nitrobenzene

Nitrosamines
Diphenylamine
N-nitrosodimethylamine
N-nitroso-di-n-propylamine

Oxygenates
Benzyl alcohol
4-Bromophenyl phenyl ether
Butylated Hydroxytoluene
Dibenzofuran
Glutaraldehyde
Isophorone
n-Methyl-2-pyrrolidone
o-Phthaldehyde

Phenols
4-Chloro-3-methylphenol
2-Chlorophenol
2,4-Dichlorophenol
2,4-Dimethylphenol
2-Methylphenol
3-Methylphenol
4-Methylphenol
2-Nitrophenol
Phenol
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol

Phthalates
Diethyl phthalate
Dimethyl phthalate

Polynuclear Aromatics
Acenaphthene
Acenaphthylene
Anthracene
2-Chloronapthalene
Fluorene
1-Methylnaphthalene
2-Methylnapthalene
Naphthalene
Phenanthrene

Collection Media: Silonite Coated Canisters (0.050 or 1.4 Liters)
Sampling Rate: 30 seconds to 1 hour (canister & restrictor dependent)
Reporting Limit: 0.5 ppb nominal (chemical & sampler dependent)

SVOC = Semi-Volatile Organic Compound based on EPA SW846-8270D

Add Total Volatile Organic Compounds (TVOC) and Top 10 Tentatively Identified Compounds (TICs) to any scan for $50 per sample.
Chemical Identification Only - Total Volatile Organic Compounds (TVOC) and Top 10 Tentatively Identified Compounds (TICs) for $200 per sample.
Choose which individual compound(s) to report from any single canister scan listed in this manual, starting at $150 with additional compounds $10 per compound.
Multiple scans can be analyzed from a single canister sample but "Heated TO-15" methods require specialized flow controllers. Please plan accordingly before sample collection.
EHL can create customized gas calibration standards for most any volatile compound. Please contact us to discuss your unique canister analysis project.

Note: Chemically treated tubes and filters (such as DNPH and GFZ) offgas chemicals which can be detected in Air Scans. Therefore, Air Scan samples should be taken prior to sampling with any treated media.

LEED Scan - v3.2 (2009)

EPA TO-15
GC/MS Quantitative Scan
Price: $220.00
† Includes top 10 TICs and TVOC (C_3-C_{12})
Formaldehyde
4-Phenylcyclohexene (4-PCH)

LEED Scan - LEED v4

Heated EPA IP-1
GC/MS Quantitative Scan
Price: $325.00
† Includes top 10 TICs and TVOC (C_5-C_{17})

Benzene
Carbon Disulfide
Carbon Tetrachloride
Chlorobenzene
Chloroform
p-Dichlorobenzene
1,1-Dichloroethylene
N-N'-Dimethylformamide
1,4-Dioxane
Epichlorohydrin
2-Ethoxyethanol
2-Ethoxyethyl Acetate
Ethyl Benzene
Ethylene Glycol
n-Hexane
Isophorone
2-Methoxyethanol
2-Methoxyethyl Acetate
1-Methoxy-2-propanol
Methyl tert-Butyl Ether
Methylene Chloride
Naphthalene
Phenol
2-Propanol
Styrene
Tetrachloroethylene
Toluene
1,1,1-Trichloroethane
Trichloroethylene
Vinyl Acetate
Total Xylenes (m, o, p)

***** Required aldehydes collected separately on DNPH media ($125 surcharge per sample)

LEED Scan - LEED v4.1

Heated EPA TO-15
GC/MS Quantitative Scan
Price: $225.00
† Includes top 10 TICs and TVOC (C_5-C_{17})

Benzene
Naphthalene
n-Hexane
p-Dichlorobenzene
Phenol
Styrene
Toluene
Trichloroethylene
Vinyl Acetate
Total Xylenes (m, o, p)

***** Required aldehydes collected separately on DNPH media ($125 surcharge per samp

Collection Media: Silonite Coated Canisters (1.0 or 1.4 Liters) **Note: For Heated EPA use 1.4 Liters**
Sampling Rate: 30 seconds to 4 hour (canister & restrictor dependent) **Note: For Heated EPA TO-15, the sampling rate is 30 seconds to 1 hour**
Reporting Limit: 0.20 - 0.5 ppb nominal (chemical & sampler dependent)

***** Formaldehyde & Acetaldehyde are required to be collected on DNPH media and analyzed by HPLC following EPA TO-11 ($125 surcharge per sample)
Multiple scans can be analyzed from a single canister sample but **"Heated" methods require specialized flow controllers**. Please plan accordingly before sample collection.
EHL can create customized gas calibration standards for most any volatile compound. Please contact us to discuss your unique canister analysis project.

Note: Chemically treated tubes and filters (such as DNPH and GFZ) offgas chemicals which can be detected in Air Scans. Therefore, Air Scan samples should be taken prior to sampling with any treated media.

Analyte Synonyms

Synonym	Analyte as Listed in Sampling Manual
1,2-Dibromoethane (106-93-4)	Ethylene Dibromide
1,2-Dichlorobenzene (95-50-0)	o-Dichlorobenzene
1,2-Dichloroethane (107-06-2)	Ethylene Dichloride
1,2-Dichloropropane (78-87-5)	Propylene Dichloride
1,2-Propanediol (57-55-6)	Propylene Glycol
1,3-Dichlorobenzene (541-73-1)	m-Dichlorobenzene
1,4-Dichlorobenzene (106-46-7)	p-Dichlorobenzene
1-Ethoxy-2-propanol (1569-02-4)	Propylene Glycol Ethyl Ether
1-Methyl-2-pyrrolidinone (872-50-4)	n-Methyl-2-pyrrolidone
2,3-Toluenediamine (2687-25-4)	2,3-Diaminotoluene
2,4,5-Trichlorophenoxy Acetic Acid (93-76-5)	2,4,5-T
2,4-Dichlorophenoxy Acetic Acid (94-75-7)	2,4-D
2,4-TDI (584-84-9)	Toluene-2,4-diisocyanate
2,4-Toluenediamine (95-80-7)	2,4-Diaminotoluene
2,6-Di-tert-butyl-p-cresol (128-37-0)	Butylated Hydroxytoluene
2,6-TDI (91-08-7)	Toluene-2,6-diisocyanate
2-Aminoethanol (141-43-5)	Ethanolamine
2-Butanone (78-93-3)	Methyl Ethyl Ketone
2-Heptanone (110-43-0)	Methyl Amyl Ketone
2-Hexanone (591-78-6)	Methyl Butyl Ketone
2-Methyl-1-propanol (78-83-1)	Isobutanol
2-Pentanone (107-87-9)	Methyl Propyl Ketone
3-Heptanone (106-35-4)	Ethyl Butyl Ketone
3-Methyl-1-butanol (123-51-3)	Isoamyl Alcohol
4,4-MDI (101-68-8)	Methylene Bisphenyl Diisocyanate
4-PCH (4994-16-5)	4-Phenylcyclohexene
5-Methyl-2-heptanone (106-68-3)	Ethyl Amyl Ketone
5-Methyl-2-hexanone (110-12-3)	Methyl Isoamyl Ketone
5-Methyl-3-Heptanone (106-68-3)	Ethyl Amyl Ketone
Diallyl Disulfide (2179-57-9)	Allyl Disulfide
Amyl Acetate (628-63-7)	1-Pentyl Acetate
Amyl Alcohol (71-41-0)	1-Pentanol
a-Naphthylthiourea (86-88-4)	ANTU
Baygon (114-26-1)	Propoxur
BGE (2426-08-6)	Butyl Glycidyl Ether

Analyte Synonyms

Synonym	Analyte as Listed in Sampling Manual
BHT (128-37-0)	Butylated Hydroxytoluene
Bromoethane (74-96-4)	Ethyl Bromide
Bromoethene (593-60-2)	Vinyl Bromide
Bromomethane (74-83-9)	Methyl Bromide
Butanethiol (109-79-5)	Butyl Mercaptan
Butyl Carbitol (112-34-5)	2-(2-Butoxyethoxy)ethanol
Butyl Cellosolve (111-76-2)	2-Butoxyethanol
Butyl Cellosolve Acetate (112-07-2)	2-Butoxyethyl Acetate
Carbitol (111-90-0)	2-(2-Ethoxyethoxy)ethanol
Carbitol Acetate (112-15-2)	2-(2-Ethoxyethoxy)ethyl Acetate
Carbonyl Chloride (75-44-5)	Phosgene
Cellosolve (110-80-5)	2-Ethoxyethanol
Cellosolve Acetate (111-15-9)	2-Ethoxyethyl Acetate
Chloro-2,3-epoxypropane (106-89-8)	Epichlorohydrin
Chloroacetic Acid	Monochloroacetic Acid
Chlorodiphenyl	Polychlorinated Biphenyl
Chloroethane (75-00-3)	Ethyl Chloride
Chloroethene (75-01-4)	Vinyl Chloride
Chloromethane (74-87-3)	Methyl Chloride
Chromic Acid (1333-82-0) and Chromates	Chromium, Hexavalent
Cyanide (total)	Hydrogen Cyanide
DDVP (62-73-7)	Dichlorvos
DETA (111-40-0)	Diethylenetriamine
DETDA (68479-98-1)	Diethyltoluenediamine
Dicyclohexyl Methane 4,4-Diisocyanate (5124-30-1)	Methylene bis(4-Cyclohexylisocyanate)
Diesel Particulate	Carbon, Elemental and Organic
Diethyl Ether (60-29-7)	Ethyl Ether
Diethylene Glycol Monobutyl Ether (112-34-5)	2-(2-Butoxyethoxy)ethanol
Diethylene Glycol Monoethyl Ether (111-90-0)	2-(2-Ethoxyethoxy)ethanol
Diethylene Glycol Monoethyl Ether Acetate (112-15-2)	2-(2-Ethoxyethoxy)ethyl Acetate
Diethylene Glycol Monomethyl Ether (111-77-3)	2-(2-Methoxyethoxy)ethanol
Diethylethanolamine (100-37-8)	2-Diethylaminoethanol
Diglycidyl Ether of Bisphenol A (1675-54-3)	Bisphenol A Diglycidyl Ether
Dimethoxy Methane (109-87-5)	Methylal
Dioctyl Phthalate (117-81-7)	Di(2-ethylhexyl)phthalate
Diphenyl (92-52-4)	Biphenyl
Dipropylene Glycol Monomethyl Ether (34590-94-8)	2-(Methoxymethylethoxy)propanol

Analyte Synonyms

Synonym	Analyte as Listed in Sampling Manual
Dipropylene Glycol Monomethyl Ether Acetate (88917-22-0)	2-(2-Methoxymethylethoxy)-propanol Acetate
DMDS (624-92-0)	Dimethyl Disulfide
Dowtherm A (8004-13-5)	Phenyl Ether-Diphenyl Mixture
DPGMME (34590-94-8)	2-(Methoxymethylethoxy)propanol
DPGMMEA (88917-22-0)	2-(2-Methoxymethylethoxy)-propanol Acetate
Dursban (2921-88-2)	Chlorpyrifos
EDB (106-93-4)	Ethylene Dibromide
Ethanethiol (75-08-1)	Ethyl Mercaptan
Ethrane (13838-16-9)	Enflurane
Ethyl Alcohol (64-17-5)	Ethanol
Ethylene Glycol Monobutyl Ether (111-76-2)	2-Butoxyethanol
Ethylene Glycol Monobutyl Ether Acetate (112-07-2)	2-Butoxyethyl Acetate
Ethylene Glycol Monoethyl Ether (110-80-5)	2-Ethoxyethanol
Ethylene Glycol Monoethyl Ether Acetate (111-15-9)	2-Ethoxyethyl Acetate
Ethylene Glycol Monomethyl Ether (109-86-4)	2-Methoxyethanol
Ethylene Glycol Monomethyl Ether Acetate (110-49-6)	2-Methoxyethyl Acetate
Ethylene Glycol Monopropyl Ether (2807-30-9)	2-Propoxyethanol
Ethylidene Chloride (75-34-3)	1,1-Dichloroethane
Fluorotrichloromethane (75-69-4)	Trichlorofluoromethane
Forane (26675-46-7)	Isoflurane
Free Silica	Silica, free crystalline, bulk
Free Silica	Silica, free crystalline, respirable
Free Silica	Silica, free crystalline, total
Freon 11 (75-69-4)	Trichlorofluoromethane
Freon 113 (76-13-1)	1,1,2-Trichloro-1,2,2-Trifluoroethane
Freon 114 (76-14-2)	Dichlorotetrafluoroethane
Freon 12 (75-71-8)	Dichlorodifluoromethane
Freon 134a (811-97-2)	1,1,1,2-Tetrafluoroethane
Freon 13B1 (75-63-8)	Trifluorobromomethane
Freon 21 (75-43-4)	Dichlorofluoromethane
Freon 22 (75-46-6)	Chlorodifluoromethane
Freon 32 (75-10-5)	Difluoromethane
Freon TF (76-13-1)	1,1,2-Trichloro-1,2,2-Trifluoroethane

Analyte Synonyms

Synonym	Analyte as Listed in Sampling Manual
Fuel Oil #2 (68476-34-6)	Diesel Fuel
Furfuraldehyde (98-01-1)	Furfural
HDI (822-06-0)	Hexamethylene Diisocyanate
Hexanal (66-25-1)	Hexaldehyde
Hexavalent Chromium (18540-29-9)	Chromium, Hexavalent
Hexone (108-10-1)	Methyl Isobutyl Ketone
HMDI (5124-30-1)	Methylene bis(4-Cyclohexylisocyanate)
Iodomethane (74-88-4)	Methyl Iodide
IPDI (4098-71-9)	Isophorone Diisocyanate
Isoamyl Acetate (123-92-2)	Isopentyl Acetate
Isobutyl Alcohol (78-83-1)	Isobutanol
Isopropyl Alcohol (67-63-0)	2-Propanol
Isopropyl Cellosolve (109-59-1)	2-Isopropoxyethanol
Isopropylbenzene (98-82-8)	Cumene
m-Cresol (108-39-4)	3-Methylphenol
m-Cresol (108-39-4)	Cresols (o-,m- & p- isomers)
MDI (101-68-8)	Methylene Bisphenyl Diisocyanate
MEK (78-93-3)	Methyl Ethyl Ketone
Metalaxyl (57837-19-1)	Apron
Methanethiol (74-93-1)	Methyl Mercaptan
Methyl Alcohol (67-56-1)	Methanol
Methyl Carbitol (111-77-3)	2-(2-Methoxyethoxy)ethanol
Methyl Cellosolve (109-86-4)	2-Methoxyethanol
Methyl Cellosolve Acetate (110-49-6)	2-Methoxyethyl Acetate
Methyl Chloroform (71-55-6)	1,1,1-Trichloroethane
Methyl Cyanide (75-05-8)	Acetonitrile
Methyl Isobutyl Carbinol (110-43-0)	Methyl Amyl Alcohol
Methyl Styrene (25013-15-4)	Vinyl Toluene
Methylene Chloride (75-09-2)	Dichloromethane
MIBK (108-10-1)	Methyl Isobutyl Ketone
MITC (556-61-6)	Methyl Isothiocyanate
m-Nitrotoluene (99-08-1)	Nitrotoluenes (o-, m-, & p- isomers)
MOCA (101-14-4)	4,4-Methylene bis(2-Chloroaniline)
Mold	Fungi (Spore Count & ID)
Mold	Fungi (Tape Lift)
Mold	Fungi (Viable Count & ID)
Monochlorobenzene (108-90-7)	Chlorobenzene

Analyte Synonyms

Synonym	Analyte as Listed in Sampling Manual
Monoethanolamine (141-43-5)	Ethanolamine
m-Phenylenediamine (108-45-2)	Phenylenediamines (o-, m-, & p- isomers)
MTBE (1634-04-4)	Methyl tert-Butyl Ether
m-Terphenyl (92-06-8)	Terphenyls (o-, m-, & p- isomers)
m-Tolualdehyde (620-23-5)	Tolualdehyde (o-, m-, & p- isomers)
m-XDA (1477-55-0)	m-Xylene a,a'-Diamine
m-Xylene (108-38-3)	Xylenes
Naphtha (8002-05-9)	Petroleum Distillates
Nitric Oxide (10102-43-9)	Nitrogen Dioxide & Nitric Oxide
N,N-Dimethylacetamide (127-19-5)	Dimethylacetamide
N,N-Dimethylformamide (68-12-2)	Dimethylformamide
Nuisance Dust	Dust, respirable
Nuisance Dust	Dust, total
OCBM (2698-41-1)	o-Chlorobenzylidene Malononitrile
o-Cresol (95-48-7)	2-Methylphenol
o-Cresol (95-48-7)	Cresols (o-,m- & p- isomers)
Oil Mist	Metal Working Fluids
o-Nitrotoluene (88-72-2)	Nitrotoluenes (o-, m-, & p- isomers)
o-Phenylenediamine (95-54-5)	Phenylenediamines (o-, m-, & p- isomers)
o-Terphenyl (84-15-1)	Terphenyls (o-, m-, & p- isomers)
o-Tolualdehyde (529-20-4)	Tolualdehyde (o-, m-, & p- isomers)
o-Xylene (95-47-6)	Xylenes
PAH	Polynuclear Aromatic Hydrocarbon Scan
PAPI (9016-87-9)	Polymethylene Polyphenyl Isocyanate
Particulates	Dust, respirable
Particulates	Dust, total
PCB	Polychlorinated Biphenyl
PCP (87-86-5)	Pentachlorophenol
p-Cresol (106-44-5)	4-Methylphenol
p-Cresol (106-44-5)	Cresols (o-,m- & p- isomers)
Perchloroethylene (127-18-4)	Tetrachloroethylene
PGE (122-60-1)	Phenyl Glycidyl Ether
PGMME (107-98-2)	1-Methoxy-2-propanol
PGMMEA (108-65-6)	1-Methoxypropyl-2-acetate
PM Acetate (88917-22-0)	2-(2-Methoxymethylethoxy)-propanol Acetate
p-Nitrotoluene (99-99-0)	Nitrotoluenes (o-, m-, & p- isomers)
polymeric MDI (9016-87-9)	Polymethylene Polyphenyl Isocyanate

Analyte Synonyms

Synonym	Analyte as Listed in Sampling Manual
p-Phenylenediamine (106-50-3)	Phenylenediamines (o-, m-, & p- isomers)
Polyvinyl Alcohol (9002-89-5)	Dust, respirable
Polyvinyl Alcohol (9002-89-5)	Dust, total
Propanal (123-38-6)	Propionaldehyde
Propyl Bromide (106-94-5)	1-Bromopropane
Propyl Cellosolve (2807-30-9)	2-Propoxyethanol
Propylene Glycol Monomethyl Ether (107-98-2)	1-Methoxy-2-propanol
Propylene Glycol Monomethyl Ether Acetate (88917-22-0)	2-(2-Methoxymethylethoxy)-propanol Acetate
6)	1-Methoxypropyl-2-acetate
p-Terphenyl (92-94-4)	Terphenyls (o-, m-, & p- isomers)
p-Tolualdehyde (104-87-0)	Tolualdehyde (o-, m-, & p- isomers)
p-Xylene (106-42-3)	Xylenes
Pyrethrins (8003-34-7)	Pyrethrum
Quartz	Silica, free crystalline, bulk
Quartz	Silica, free crystalline, respirable
Quartz	Silica, free crystalline, total
Refrigerant-125 (354-33-6)	Pentafluoroethane
Refrigerant-125 (R-125) (354-33-6)	Pentafluoroethane
sec-Amyl Acetate (626-38-0)	2-Pentyl Acetate
Sevin (63-25-2)	Carbaryl
Strontium Chromate as Cr (VI) (7789-06-2)	Chromium, Hexavalent
TDI (584-84-9)	Toluene-2,4-diisocyanate
TDI (91-08-7)	Toluene-2,6-diisocyanate
TEPA (112-57-2)	Tetraethylenepentamine
TETA (112-24-3)	Triethylenetetramine
Tetraethyl orthosilicate (78-10-4)	Ethyl Silicates
TGIC (2451-62-9)	1,3,5-Triglycidyl Isocyanurate
THF (109-99-9)	Tetrahydrofuran
1,2,3-Trimethylbenzene (526-73-8)	Trimethylbenzenes
1,2,4-Trimethylbenzene (95-63-6)	Trimethylbenzenes
1,3,5-Trimethylbenzene (108-67-8)	Trimethylbenzenes

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
Acenaphthene	83-32-9	PTFE + ORBO 43	2	300 - 960	HPLC/UV/FL	NIOSH 5506	0.5	T-1,R,F	88
		See also PNA Scan on pg. 9 and Semivolatile Organic Compound Scan on pg. 14.							
Acenaphthylene	208-96-8	PTFE + ORBO 43	2	300 - 960	HPLC/UV/FL	NIOSH 5506	1	T-1,R,F	88
		See also PNA Scan on pg. 9 and Semivolatile Organic Compound Scan on pg. 14.							
Acetaldehyde	75-07-0	DNPH Tr. SGT (SKC 226-119) followed by a small CT (SKC 226-01)	0.10 - 1	5 - 120	HPLC/UV	EPA TO-11	0.05	A,R	78
		DNPH Tr. Badge (Assay N571-AT)	Passive	>120 minutes	HPLC/UV	EPA TO-11	0.05	R	78
		See also Aldehyde Scan TO-11 pg. 9 and TO-15 pg. 13.							
Acetic Acid	64-19-7	CT (SKC 226-01)	0.2	24 - 48	IC	OSHA PV2119	2		64
		5 um PTFE (25mm) + P-SGT (SKC 226-10-03)	0.05 - 0.2	6 - 24	IC	EHL 4120	3		64
		IMP, 10ml 0.01N NaOH	0.5 - 1	15 - 120	IC	OSHA 118	10	S,R	64
		See also Organic Acid Scan on pg. 10.							
Acetic Anhydride	108-24-7	Tr. XAD-2 (SKC 226-30-07) & XAD-2 (SKC 226-30)	0.1	20	HPLC/UV	OSHA 25	1		88
Acetoin	513-86-0	SGT, special (SKC 226-183) 2 tubes in series	0.05 - 0.2	3 - 9	GC/ECD	OSHA 1012	0.05	C,F,R,Y	--
Acetone	67-64-1	CT (SKC 226-01)	0.01 - 0.2	0.5 - 3	GC/FID	NIOSH 1300	5	D1	55
		Orbo 91	0.050	3	GC/FID	OSHA 69	5	D2,S	55
		See also Volatile Organic Scan on pg. 11 and TO-15 Scan on pg. 12.							
Acetonitrile	75-05-8	Lg CT (SKC 226-09)	0.01 - 0.2	3 - 25	GC/FID	NIOSH 1606	10	R,D2	55
		See also Volatile Organic Scan on pg. 11 and TO-15 Scan on pg. 12.							
Acetophenone	98-86-2	Tenax (SKC 226-35)	0.01 - 0.1	2 - 12	GC/FID	OSHA PV2003	5	D2	55
Acid Scan, Inorganic O165		P-SGT (SKC 226-10-03)	0.2 - 0.5	30 - 100 Liters	IC	OSHA 165 SG and OSHA 174 SG	0.7 - 3.1	Y	145
		Bulk	---	0.5 grams minimum	IC	OSHA 165 SG and OSHA 174 SG	0.002 - 0.01%		165
		See pg. 10 for more details.							
Acid Scan, Organic E4120		P-SGT (SKC 226-10-03)	0.05 - 0.2	6 - 24 Liters	IC	NIOSH 2011	3		210
		See pg. 10 for more details.							

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
Acrolein	107-02-8	DNPH Tr. SGT (SKC 226-119) followed by a small CT (SKC 226-01)	0.1 - 1	15 - 120	HPLC/UV	EPA TO-11	1	A,R	78
		DNPH Tr. Badge (Assay N571-AT)	Passive	>480 minutes	HPLC/UV	EPA TO-11	1	R	78
		Note: Acetone is a positive interference with Acrolein when run by HPLC/UV.							
		See also Aldehyde Scan TO15 pg. 13.							
Acrylamide	79-06-1	GF + XAD-7 (SKC 226-95) or OVS-7 (SKC 226-57)	1	45 - 120	HPLC/UV	OSHA PV2004	0.5	C, R	88
Acrylic Acid	79-10-7	Anasorb 708 (SKC 226-30-08) 2 in series	0.05 - 0.1	2 - 24	HPLC/UV	OSHA PV2005	1	R	88
Acrylonitrile	107-13-1	CT (SKC 226-01)	0.01 - 0.2	3.5 - 20	GC/FID	NIOSH 1604	2	D4	55
		See also Volatile Organic Scan on pg. 11 and TO-15 Scan on pg. 12.							
Adipic Acid	124-04-9	P-SGT (SKC 226-10-03)	0.05 - 0.2	12 - 24	IC	EHL 4130	30		64
Aldehyde Scan TO11		DNPH Tr. SGT (SKC 226-119) followed by a small CT (SKC 226-01)	0.1 - 1.0	15 - 120 Liters	HPLC/UV	EPA TO-11	0.05 - 2.0	A,R	255
		DNPH Tr. Badge (Assay N571-AT)	---	>240 minutes	HPLC/UV	EPA TO-11	0.05 - 2.0	R	255
		See pg. 9 for more details.							
Aldehyde Scan TO15		1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	EPA TO-15	0.5 ppb	G	300
		1.4 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	EPA TO-15	0.5 ppb	G	300
		6.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	EPA TO-15	0.5 ppb	G	300
		0.050 Liter Silonite Coated Canister		5 seconds - 8 hours	GC/MS	EPA TO-15	10 ppb	G	300
		See pg. 13 for more details.							
		For Glutaraldehyde and o-Phthaldehyde also see Semivolatile Organic Compound Scan pg. 14.							
Allyl Alcohol	107-18-6	CT (SKC 226-01)	0.01 - 0.2	1 - 10	GC/FID	NIOSH 1402	5	S,D4	55
Allyl Chloride	107-05-1	CT (SKC 226-01)	0.01 - 1	16 - 100	GC/FID	NIOSH 1000	3	S	55
		See also TO-15 Scan on pg. 12.							
Allyl Disulfide	2179-57-9	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See Sulfur Compound Scan pg 13	0.5 ppb	G	300
Allyl Isothiocyanate	57-06-7	CT (SKC 226-01)	0.1	20 (max)	GC/FID	MDHS 96	5	D2	55

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
Allyl Mercaptan	870-23-5	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See Sulfur Compound Scan pg 13	0.5 ppb	G	300
Allyl Sulfide	592-88-1	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See Sulfur Compound Scan pg 13	0.5 ppb	G	300
Aluminum	7429-90-5	MCE	1 - 4	300 - 1000	ICP	NIOSH 7301	30		36
		Ghost Wipe or Kim Wipe			ICP	OSHA 125G	30		36
		Bulk		1 gram	ICP	OSHA 125G	0.3%		45
		See also Metal Scans on pg. 10. Note: If choosing metal scans, the ghost wipe will elevate the Zinc RL to 200 ug.							
Amine Scan O60		NITC Tr. XAD-2 (SKC 226-30-18)	0.1	1.5 - 12 Liters	HPLC/UV	OSHA 60	0.5		205
		NITC Tr. Badge (Assay N585-AT)	Passive	>120 minutes	HPLC/UV	OSHA 60	1.0		205
		See pg. 9 for more details.							
Aminoethylpiperazine	140-31-8	NITC Tr. XAD-2 (SKC 226-30-18)	0.1	1.5 - 12	HPLC/UV	OSHA 60	1		88
Ammonia	7664-41-7	H2SO4 Tr. Carbon Beads (SKC 226-29)	0.1 - 0.2	1.5 - 48	Color or IC	OSHA 188	5		64
		PM (Assay N584-AT)	---	15 - 480 minutes	Color or IC	OSHA 188	5		64
		IMP, 10ml 0.1N H2SO4	1	10 - 60	IC	EPA 027	4	R	64
		See also Cation Scan on pg. 10.							
Ammonia Sulfamate	7773-06-0	PVC-PW	1.7 - 2.0	960	Gravimetric	NIOSH 0500	20		27
Amyl Mercaptan	110-66-7	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See Sulfur Compound Scan pg 13	0.5 ppb	G	300
Anethole	104-46-1	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Cannabis Odor Scan pg 13	0.25 ppb	G	350
Aniline	62-53-3	GSA	1	15-480	HPLC/UV	NIOSH 2017	1	R	88
		H3PO4 Tr. XAD-7 (SKC 226-98)	0.2 - 1	3 - 100	HPLC/UV	OSHA PV2079	1	R	88
		GSA and SGT (SKC 226-10) in series	0.2	5-50	GC/FID	NIOSH 2017	10	R,Y,D11	88
		See also Semivolatile Organic Compound Scan on pg. 14.							
Anthracene	120-12-7	PTFE + ORBO 43	2	300 - 960	HPLC/UV/FL	NIOSH 5506	0.05	T-1,R,F	88
		GF	2	480 - 960	HPLC/UV/FL	OSHA 58	1	F	88
		See also PNA Scan on pg. 9 and Semivolatile Organic Compound Scan on pg. 14.							

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
Antimony	7440-36-0	MCE	1 - 4	30 - 1000	ICP	NIOSH 7301	1		36
		Ghost Wipe or Kim Wipe			ICP	OSHA 125G	7.5		36
		Bulk		1 gram	ICP	OSHA 125G	0.01%		45
		See also Metal Scans on pg. 10. Note: If choosing metal scans, the ghost wipe will elevate the Zinc RL to 200 ug.							
Arsenic	7440-38-2	MCE	1 - 4	300 - 1000	ICP	NIOSH 7301	0.3		36
		Kim Wipe			ICP	OSHA 125G	0.3		36
		Ghost Wipe			ICP	OSHA 125G	5		36
		Bulk		1 gram	ICP	OSHA 125G	0.003%		45
		See also Metal Scans on pg. 10. Note: If choosing metal scans, the ghost wipe will elevate the Zinc RL to 200 ug.							
Arsenic Trioxide (as As)	1327-53-3	MCE/treated backup pad	1 - 3	30 - 1000	ICP	NIOSH 7901	0.2		65
Arsine	7784-42-1	CT (SKC 226-01)	0.05 - 0.2	40 - 80	ICP	NIOSH 6001	0.3		36
Asbestos (bulk sample)		Place representative (~one oz.) sample in leakproof non-fibrous container	---	---	PLM	NIOSH 9002	1%		40
Asbestos Fiber Count		MCE, 25mm conductive cowl on cassette open faced (SKC 225-321)	0.5 - 16	400 - varies	PCM	NIOSH 7400 "A" Rules	0.03 fibers/field	H	35
Asphalt Fumes	8052-42-4	PTFE-PW	1 - 4	500 - 2400	Gravimetric only	NIOSH 0500	20		31
		PTFE-PW	1 - 4	500 - 2400	Gravimetric and Extraction	NIOSH 5042	25		96
Azobenzene	103-33-3	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
Barium (metal or soluble compounds)	7440-39-3	MCE	1 - 4	30 - 1000	ICP	NIOSH 7301	1.5		36
Benz(a)anthracene	56-55-3	PTFE + ORBO 43	2	300 - 960	HPLC/UV/FL	NIOSH 5506	0.05	T-1,R,F	88
		See also PNA Scan on pg. 9.							
Benzaldehyde	100-52-7	DNPH Tr. SGT (SKC 226-119) followed by a small CT (SKC 226-01)	0.1 - 1.0	5 - 120	HPLC/UV	EPA TO-11	0.2	A,R	78
		DNPH Tr. Badge (Assay N571-AT)	Passive	>240 minutes	HPLC/UV	EPA TO-11	0.2	R	78
		See also Aldehyde Scan TO-11 pg. 9 and TO-15 pg. 13. See Cannabis Odor Scan on pg. 13.							
Benzene	71-43-2	CT (SKC 226-01)	0.01 - 0.2	5 - 30	GC/FID	NIOSH 1501	2	D1	55
		See also Volatile Organic Scan on pg. 11 and TO-14 and TO-15 Scans on pg. 12.							

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
1,2-Benzisothiazol-3(2H)-one	2634-33-5	OVS Custom (SKC 226-99)	1	15 (minimum)	HPLC/UV	EHL 1000	4	C	88
Benzo(a)pyrene	50-32-8	PTFE + ORBO 43	2	300 - 960	HPLC/UV/FL	NIOSH 5506	0.05	T-1,R,F	88
		GF	2	480 - 960	HPLC/UV/FL	OSHA 58	1	F	88
		See also PNA Scan on pg. 9.							
Benzo(b)fluoranthene	205-99-2	PTFE + ORBO 43	2	300 - 960	HPLC/UV/FL	NIOSH 5506	0.1	T-1,R,F	88
		See also PNA Scan on pg. 9.							
Benzo(ghi)perylene	191-24-2	PTFE + ORBO 43	2	300 - 960	HPLC/UV/FL	NIOSH 5506	0.1	T-1,R,F	88
		See also PNA Scan on pg. 9.							
Benzo(k)fluoranthene	207-08-9	PTFE + ORBO 43	2	300 - 960	HPLC/UV/FL	NIOSH 5506	0.05	T-1,R,F	88
		See also PNA Scan on pg. 9.							
Benzophenone	119-61-9	GF + Tenax (SKC 226-35)	0.2	10	GC/FID	*AOEH	5	D26	55
		* Applied Occupational and Environmental Hygiene 9(12) Dec. 1994							
Benzoyl Peroxide	94-36-0	PTFE	1 - 3	40 - 400	HPLC/UV	EHL 1000	4	T-1,R	88
		MCE	1 - 3	40 - 400	HPLC/UV	NIOSH 5009	10	T-1,R	88
Benzyl Alcohol	100-51-6	XAD-7 (SKC 226-95)	0.2	24	GC/FID	OSHA PV2009	5	D11	55
		See also Semivolatile Organic Compound Scan on pg. 14.							
Benzyl Chloride	100-44-7	CT (SKC 226-01)	0.01 - 0.2	6 - 50	GC/FID	NIOSH 1003	5	D1	55
		See also Volatile Organic Scan on pg. 11 and TO-15 Scan on pg. 12.							
Beryllium	7440-41-7	MCE	2 - 4	600 - 2000	ICP	NIOSH 7301	0.015		36
		Ghost Wipe or Kim Wipe			ICP	OSHA 125G	0.015		36
		Bulk		1 gram	ICP	OSHA 125G	0.00015%		45
		See also Metal Scans on pg. 10. Note: If choosing metal scans, the ghost wipe will elevate the Zinc RL to 200 ug.							
Beryllium Oxide (as Be)	1304-56-9	MCE	2 - 4	600 - 2000	ICP	Brush Wellman 0536-AC	0.042	S	50
		Ghost Wipe or Kim Wipe			ICP	Brush Wellman 0536-AC	0.042		50
		Bulk		1 gram	ICP	Brush Wellman 0536-AC	0.00042%		56
Biphenyl	92-52-4	Tenax (SKC 226-35)	0.01 - 0.05	15 - 30	GC/FID	NIOSH 2530	2.5	S,D7	55

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
Bis(2-chloroethoxy)methane	111-91-1	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
Bis(2-chloroethyl)ether	111-44-4	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
Bismuth	7440-69-9	MCE	1 - 4	30 - 1000	ICP	NIOSH 7301	10		36
Bisphenol A	80-05-7	GF	1.5	360	HPLC/UV	NIOSH P&CAM 333	1	C,R	88
Bisphenol A Diglycidyl Ether	1675-54-3	GF	1.5	360	HPLC/UV	NIOSH P&CAM 333	1	C,R	88
Boron	7440-42-8	MCE	1 - 4	30 - 1000	ICP	NIOSH 7301	1.5		36
Boron Oxide	1303-86-2	PVC-PW	1.5 - 2.5	25 - 133	Gravimetric	NIOSH 0500	20		27
Bromine	7726-95-6	0.45 um PTFE/AG	0.3 - 1	8 - 90	IC	NIOSH 6011	1		64
Bromodichloromethane	75-27-4	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See TO-15 Scan pg 12	0.5 ppb	G	275
Bromoform	75-25-2	CT (SKC 226-01)	0.05 - 0.2	10 - 50 Liters	GC/MS	See Volatile Organic Scan pg 11	5	G	200
		See Volatile Organic Scan on pg. 11 and TO-15 Scan on pg. 12.							
4-Bromophenyl phenyl ether	101-55-3	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
1-Bromopropane	106-94-5	CT (SKC 226-01)	0.01 - 0.2	≥30 Liters	GC/FID	NIOSH 1025	2	S,D1	55
1,3-Butadiene	106-99-0	Catechol Tr. CT (SKC 226-73)	.05	3	GC/FID	OSHA 56	1	R,S,D1	77
		3M OVM or PM	--	240-480	GC/FID	MDHS 88	0.75	R,S,D1	77
		See also TO-15 Scan on pg. 12.							
Butane	106-97-8	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	OSHA PV2120	0.5 ppb		175
		See also TO-15 Scan on pg. 12.							
n-Butanol	71-36-3	CT (SKC 226-01)	0.01 - 0.2	2 - 10	GC/FID	NIOSH 1401	5	D2	55
		See also Volatile Organic Scan on pg. 11.							
sec-Butanol	78-92-2	CT (SKC 226-01)	0.01 - 0.2	2 - 10	GC/FID	NIOSH 1401	5	D2	55
tert-Butanol	75-65-0	CT (SKC 226-01)	0.01 - 0.2	1 - 10	GC/FID	NIOSH 1400	5	D2	55

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
2-Butoxyethanol	111-76-2	CT (SKC 226-01)	0.01 - 0.05	2 - 10	GC/FID	NIOSH 1403	5	S,D42	55
		See also Semivolatile Organic Compound Scan on pg. 14.							
2-Butoxyethyl Acetate	112-07-2	CT (SKC 226-01)	0.05 - 0.1	10 - 40	GC/FID	OSHA 83	5	S,D42	55
		See also Volatile Organic Scan on pg. 11 and Semivolatile Organic Compound Scan on pg. 14.							
Butyl Acetate	123-86-4	CT (SKC 226-01)	0.01 - 0.2	1 - 10	GC/FID	NIOSH 1450	5	D1	55
		See also Volatile Organic Scan on pg. 11.							
sec-Butyl Acetate	105-46-4	CT (SKC 226-01)	0.01 - 0.2	1 - 10	GC/FID	NIOSH 1450	5	D1	55
tert-Butyl Acetate	540-88-5	CT (SKC 226-01)	0.01 - 0.2	1 - 10	GC/FID	MDHS 96	5	D1	55
Butyl Acrylate	141-32-2	CT (SKC 226-01)	0.05 - 0.1	1 - 3	GC/FID	NIOSH 1459	5	D1	55
		XAD-2 (SKC 226-30)	0.05 - 0.1	1 - 3	GC/FID	NIOSH 2537	5	D1	55
sec-Butyl Disulfide	5943-30-6	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See Sulfur Compound Scan pg 13	0.5 ppb	G	300
tert-Butyl Disulfide	110-06-5	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See Sulfur Compound Scan pg 13	0.5 ppb	G	300
Butyl Glycidyl Ether	2426-08-6	CT (SKC 226-01)	0.01 - 0.2	15 - 30	GC/FID	NIOSH 1616	5	D1	55
Butyl Mercaptan	109-79-5	Tr GF (SKC 225-9007)	0.1 - 0.2	20 - 150	GC/FPD	NIOSH 2542	10	S	---
		See also Sulfur Compound Scan on pg. 13.							
sec-Butyl Mercaptan	513-53-1	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See Sulfur Compound Scan pg 13	0.5 ppb	G	300
tert-Butyl Mercaptan	75-66-1	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See Sulfur Compound Scan pg 13	0.5 ppb	G	300
Butyl Sulfide	544-40-1	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See Sulfur Compound Scan pg 13	0.5 ppb	G	300
p-tert Butyl Toluene	98-51-1	CT (SKC 226-01)	0.01 - 0.2	1 - 29	GC/FID	NIOSH 1501	5	D1	55
Butylamine	109-73-9	NITC Tr. XAD-2 (SKC 226-30-18)	0.1	1.5 - 12	HPLC/UV	OSHA 60	0.5		88
		NITC Tr. Badge (Assay N585-AT)	Passive	>120 minutes	HPLC/UV	OSHA 60	1.0		88
		See also Amine Scans on pg. 9 and 13.							

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
Butylated Hydroxytoluene	128-37-0	OVS-7 (SKC 226-57)	0.2 - 1.0	100	GC/FID	OSHA PV2108	10	D11	55
		See also Semivolatile Organic Compound Scan on pg. 14.							
Butylbenzene	104-51-8	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See TO-15 Scan pg 12	0.5 ppb	G	275
sec-Butylbenzene	135-98-8	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See TO-15 Scan pg 12	0.5 ppb	G	275
tert-Butylbenzene	98-06-6	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See TO-15 Scan pg 12	0.5 ppb	G	275
Butyraldehyde	123-72-8	DNPH Tr. SGT (SKC 226-119) followed by a small CT (SKC 226-01)	0.1 - 1	5 - 120	HPLC/UV	EPA TO-11	0.5	A,R	78
		DNPH Tr. Badge (Assay N571-AT)	Passive	>240 mins	HPLC/UV	EPA TO-11	0.5	R	78
		See also Aldehyde Scan TO-11 pg. 9 and TO-15 pg. 13.							
Butyric Acid	107-92-6	5 um PTFE (25mm) + P-SGT (SKC 226-10-03)	0.05 - 0.2	6 - 24	IC	EHL 4120	3		126
		See also Organic Acid Scan on pg. 10.							
Cadmium	7440-43-9	MCE	1 - 4	200 -1000	ICP	NIOSH 7301	0.0375		36
		Ghost Wipe or Kim Wipe			ICP	OSHA 125G	0.5		36
		Bulk		1 gram	ICP	OSHA 125G	0.000375 %		45
		See also Metal Scans on pg. 10. Note: If choosing metal scans, the ghost wipe will elevate the Zinc RL to 200 ug.							
Calcium	7440-70-2	MCE	1 - 4	150 - 1000	ICP	NIOSH 7301	15		36
		See also Cation Scan on pg. 10.							
Calcium Oxide	1305-78-8	MCE	1 - 4	150 - 1000	ICP	NIOSH 7301	21		36
Camphene	79-92-5	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See TO-15 Scan pg 12	0.5 ppb	G	275
Camphor	76-22-2	CT (SKC 226-01)	0.01 - 0.2	1 - 25	GC/FID	NIOSH 1301	5	D1	55
		1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Cannabis Odor Scan pg 13	0.25 ppb	G	350
Cannabis Odor Scan TO15		1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	EPA TO-15 Heated	0.5 ppb	G	350
		0.050 Liter Silonite Coated Canister		5 seconds - 8 hours	GC/MS	EPA TO-15 Heated	10 ppb	G	350
		See pg. 13 for more details. Heated methods require specialized flow controllers.							

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
Caprolactam	105-60-2	OVS-7 (SKC 226-57)	1	15 - 100	HPLC/UV	OSHA PV2012	2		88
Captan	133-06-2	OVS-2 (SKC 226-58)	0.1 - 1	15 - 60	HPLC/UV	NIOSH 5601	4.8	C	--
Carbaryl	63-25-2	OVS-2 (SKC 226-58)	1	15 - 200	HPLC/UV	NIOSH 5601	0.06		--
Carbon Black	1333-86-4	PVC-PW	1 - 2	30 - 570	Gravimetric	NIOSH 5000	20		27
Carbon Disulfide	75-15-0	Drier Tube (SKC 226-44) + CT (SKC 226-01)	0.01 - 0.2	10 - 25	GC/MS	NIOSH 1600	5	R,E,D7	100
		See also TO-15 Scan on pg. 12 and Sulfur Compound Scan on pg. 13.							
Carbon Tetrachloride	56-23-5	CT (SKC 226-01)	0.01 - 0.2	3 - 150 TWA (1 - 3 C)	GC/FID	NIOSH 1003	8	D1	55
		See also Volatile Organic Scan on pg. 11 and TO-14 and TO-15 Scans on pg. 12.							
Carbon, Elemental and Organic		Quartz Filter (SKC 225-401) -sample open faced	1 - 4	142 - 4000	GC/FID+TOA	NIOSH 5040	2		75
Carbonyl Sulfide	463-58-1	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See Sulfur Compound Scan pg 13	0.5 ppb	G	300
3-Carene	13466-78-9	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See TO-15 Scan pg 12	0.5 ppb	G	275
b-Caryophyllene	87-44-5	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Cannabis Odor Scan pg 13	0.25 ppb	G	350
Catechol	120-80-9	OVS-7 (SKC 226-57)	0.1 - 1	5 - 100	HPLC/UV	OSHA PV2014	1		88
Cation Scan O188		PTFE (note: if ammonia is requested, follow PTFE filter with a H2SO4 tr Carbon Bead tube (SKC 226-29)	0.5 - 1.0	120 Liters	IC	OSHA 188 IC	0.5 - 5.0		140
		See pg. 10 for more details.							
Chloramphenicol	56-75-7	GF	1	100 - 240	HPLC/UV	EHL 1000	4.5		88
Chlordane	57-74-9	OVS-2 (SKC 226-58)	1	480	GC/ECD	OSHA 67	0.02	D13	88
Chlorine	7782-50-5	0.45 um PTFE/AG	0.3 - 1	15 - 90	IC	NIOSH 6011	1		64
Chlorine Dioxide	10049-04-4	0.02% KI in Na2CO3/NaHCO3 buffer	0.5 (max.)	7.5 - 120	IC	OSHA 202	0.05 ug/mL		64

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
5-Chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	OVS Custom (SKC 226-99)	1	≥15	HPLC/UV	EHL 1000	1.2	C	88
4-Chloro-3-methylphenol	59-50-7	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
2-Chloroacetophenone	532-27-4	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Cannabis Odor Scan pg 13	0.25 ppb	G	350
4-Chloroaniline	106-47-8	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
Chlorobenzene	108-90-7	CT (SKC 226-01)	0.01 - 0.2	1.5 - 40	GC/FID	NIOSH 1003	7	D1	55
		See also Volatile Organic Scan on pg. 11 and TO-14 and TO-15 Scans on pg. 12.							
o-Chlorobenzylidene Malononitrile	2698-41-1	OVS-Tenax (SKC 226-56)	1- 1.5	22.5-90	HPLC/UV	NIOSH P&CAM 304	3	R	--
Chlorobromomethane	74-97-5	CT (SKC 226-01)	0.01 - 0.2	0.5 - 8	GC/FID	NIOSH 1003	20	D1	55
Chlorodifluoromethane	75-45-6	1 lg. CT (SKC 226-09) & 1 sm. CT (SKC 226-01) in series	0.01 - 0.05	1 - 4	GC/FID	NIOSH 1018	50	R,S	---
		1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	EPA TO-15	0.5 - 10 ppb		150
Chloroform	67-66-3	CT (SKC 226-01)	0.01 - 0.2	1 - 50	GC/FID	NIOSH 1003	8	D1	55
		See also Volatile Organic Scan on pg. 11 and TO-14 and TO-15 Scans on pg. 12.							
2-Chloronapthalene	91-58-7	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
2-Chlorophenol	95-57-8	SGT (SKC 226-10)	0.05 - 0.2	1.5 - 40	HPLC/UV	NIOSH 2014	2.5	C	--
		1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
4-Chlorophenyl phenyl ether	7005-72-3	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
o-Chlorotoluene	95-49-8	CT (SKC 226-01)	0.05 - 0.2	10 - 50 Liters	GC/MS	See Volatile Organic Scan pg 11	5	G	200
		3M OVM or PM	Passive	15 minutes (minimum)	GC/MS	See Volatile Organic Scan pg 11	7.5	G	200
Chlorpyrifos	2921-88-2	OVS-2 (SKC 226-58)	0.2 - 1	12 - 240	GC/FPD	NIOSH 5600	0.5	C,S	---
Chromium, Hexavalent	18540-29-9	PVC	1 - 4	25 - 1000	IC	OSHA 215 V2	0.01	O,I	78
		Samples must be digested within 6 days of sampling for plating & 8 days of sampling for welding. Submit samples ASAP.							

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
Chromium, Metallic as Cr(0)	7440-47-3	MCE	1 - 4	30 - 1000	ICP	NIOSH 7301	0.75		36
		Ghost Wipe or Kim Wipe			ICP	OSHA 125G	0.75		36
		Bulk		1 gram	ICP	OSHA 125G	0.0075%		45
		See also Metal Scans on pg. 10. Note: If choosing metal scans, the ghost wipe will elevate the Zinc RL to 200 ug.							
Chromium, Trivalent	16065-83-1	PVC	1 - 4	1200 minimum	IC	EHL 4170	1.8	O,I	78
		Samples must be digested within 6 days of sampling for plating & 8 days of sampling for welding. Submit samples ASAP.							
Chrysene	218-01-9	PTFE + ORBO 43	2	300 - 960	HPLC/UV/FL	NIOSH 5506	0.05	T-1,R,F	88
		GF	2	480 - 960	HPLC/UV/FL	OSHA 58	1	F	88
		See also PNA Scan on pg. 9.							
Citric Acid	77-92-9	5 um PTFE (25mm) + P-SGT (SKC 226-10-03)	0.05 - 0.2	6 - 24	IC	EHL 4120	3		126
		See also Organic Acid Scan on pg. 10.							
Coal Tar Pitch Volatiles	65996-93-2	PTFE-PW	1 - 4	500 - 2400	Gravimetric only	NIOSH 0500	20		31
		PTFE-PW	1 - 4	500 - 2400	Gravimetric and Extraction	NIOSH 5042	25		96
Cobalt	7440-48-4	MCE	1 - 4	50 - 1000	ICP	NIOSH 7301	0.075		36
		Ghost Wipe or Kim Wipe			ICP	OSHA 125G	0.075		36
		Bulk		1 gram	ICP	OSHA 125G	0.00075%		45
		See also Metal Scans on pg. 10. Note: If choosing metal scans, the ghost wipe will elevate the Zinc RL to 200 ug.							
Copper	7440-50-8	MCE	1 - 4	50 - 1000	ICP	NIOSH 7301	0.75		36
		Ghost Wipe or Kim Wipe			ICP	OSHA 125G	1.5		36
		Bulk		1 gram	ICP	OSHA 125G	0.0075%		45
		See also Metal Scans on pg. 10. Note: If choosing metal scans, the ghost wipe will elevate the Zinc RL to 200 ug.							
Cotton Dust		Vertical elutriator, 3-pc. PVC-PW	7.4	2664	Gravimetric	NIOSH 0500	20		27
Cresols (o-,m- & p- isomers)	1319-77-3	XAD-7 (SKC 226-95)	0.01 - 0.1	1 - 24	GC/FID	NIOSH 2546	5	D11	55
		See 2-methylphenol, 3-methylphenol and 4-methylphenol for GCMS analysis of individual isomers of cresols.							
Crotonaldehyde	123-73-9	DNPH Tr. SGT (SKC 226-119) followed by a small CT (SKC 226-01)	0.1 - 1	5 - 120	HPLC/UV	EPA TO-11	0.105	A,R	78
		DNPH Tr. Badge (Assay N571-AT)	Passive	>240 minutes	HPLC/UV	EPA TO-11	0.105	R	78
		See also Aldehyde Scan TO-11 pg. 9 and TO-15 pg. 13.							

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
Cumene	98-82-8	CT (SKC 226-01)	0.01 - 0.2	8 - 30	GC/FID	NIOSH 1501	1.8	D1	55
		See also Volatile Organic Scan on pg. 11 and TO-15 Scan on pg. 12.							
Cyclohexane	110-82-7	CT (SKC 226-01)	0.01 - 0.2	2.5 - 5	GC/FID	NIOSH 1500	5	D1	55
		See also Volatile Organic Scan on pg. 11 and TO-15 Scan on pg. 12.							
Cyclohexanol	108-93-0	CT (SKC 226-01)	0.01 - 0.2	1 - 10	GC/FID	NIOSH 1402	5	D2	55
		See also Volatile Organic Scan on pg. 11.							
Cyclohexanone	108-94-1	CT (SKC 226-01)	0.01 - 0.2	1 - 10	GC/FID	NIOSH 1300	5	D2	55
		See also Volatile Organic Scan on pg. 11.							
Cyclohexene	110-83-8	CT (SKC 226-01)	0.01 - 0.2	5 - 7	GC/FID	NIOSH 1500	5	D1	55
Cyclohexylamine	108-91-8	NITC Tr. XAD-2 (SKC 226-30-18)	0.1	1.5 - 12	HPLC/UV	OSHA 60	0.5		88
		NITC Tr. Badge (Assay N585-AT)	Passive	>120 minutes	HPLC/UV	OSHA 60	1.0		88
		See also Amine Scans on pg. 9 and 13.							
o-Cymene	527-84-4	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Cannabis Odor Scan pg 13	0.25 ppb	G	350
p-Cymene	99-87-6	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Cannabis Odor Scan pg 13	0.25 ppb	G	350
		See also 4-Isopropyltoluene for EPA TO15 analysis of p-Cymene.							
Cypermethrin	52315-07-8	OVS-2 (SKC 226-58)	1	60	HPLC/UV	OSHA PV2063	0.1	C	--
Decafluoropentane	138945-42-8	CT (SKC 226-01) 2 in series	0.01 - 0.05	0.5 - 4	GC/FID	NIOSH 1018	8	D11,R	55
Decanal	112-31-2	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See Aldehyde Scan TO15 pg 13	0.5 ppb	G	300
		See also Cannabis Odor Scan on pg. 13.							
Decane	124-18-5	CT (SKC 226-01)	0.05 - 0.2	10 - 50 Liters	GC/MS	See Volatile Organic Scan pg 11	5	G	200
		See also TO-15 Scan on pg. 12.							
Desflurane	57041-67-5	Anasorb 747 (SKC 226-81A)	0.05	3 - 12	GC/FID	OSHA 106	8	R, D7	77
		PM (SKC 575-002)	---	15 - 480 minutes	GC/FID	OSHA 106	12	R, D7	77
Di(2-ethylhexyl)phthalate	117-81-7	OVS-Tenax (SKC 226-56)	0.5 - 1	15 - 240	GC/FID	OSHA 104	10	D7	55

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
Diacetone Alcohol	123-42-2	CT (SKC 226-01)	0.01 - 0.2	1 - 10	GC/FID	NIOSH 1402	5	R,D2	55
Diacetyl	431-03-8	SGT, special (SKC 226-183) 2 tubes in series	0.05 - 0.2	3 - 9	GC/ECD	OSHA 1012	.05	C,F,R,Y	--
2,3-Diaminotoluene	2687-25-4	GSA	1	400 - 480	HPLC/UV	OSHA 105	1	T-2,R	88
2,4-Diaminotoluene	95-80-7	GSA	1	400 - 480	HPLC/UV	OSHA 105	1	T-2,R	88
Diazinon	333-41-5	OVS-2 (SKC 226-58)	1	60 - 480	GC/FPD	OSHA 62	0.5	R,S	--
Dibenz(ah)anthracene	53-70-3	PTFE + ORBO 43	2	300 - 960	HPLC/UV/FL	NIOSH 5506	0.1	T-1,R,F	88
			See also PNA Scan.						
Dibenzofuran	132-64-9	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
1,2-Dibromo-3-chloropropane	96-12-8	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See TO-15 Scan pg 12	0.5 ppb	G	275
Dibromochloromethane	124-48-1	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See TO-15 Scan pg 12	0.5 ppb	G	275
Dibutyl Phthalate	84-74-2	OVS-Tenax (SKC 226-56)	1	240	GC/FID	OSHA 104	10	D7	55
Dicamba	1918-00-9	GF	1	200	HPLC/UV	OSHA In-House	1	C	--
1,1-Dichloro-1-Fluoroethane	1717-00-6	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	EPA TO-15	0.5 ppb		175
m-Dichlorobenzene	541-73-1	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See TO-14 Scan pg 12	0.5 ppb	G	225
			See also TO-15 Scan on pg. 12 and Semivolatile Organic Compound Scan on pg. 14.						
o-Dichlorobenzene	95-50-1	CT (SKC 226-01)	0.01 - 0.2	1 - 60	GC/FID	NIOSH 1003	5	D1	55
			See also Volatile Organic Scan on pg. 11, and TO-14 and TO-15 Scans on pg. 12.						
p-Dichlorobenzene	106-46-7	CT (SKC 226-01)	0.01 - 0.2	1 - 10	GC/FID	NIOSH 1003	3	D1	55
			See also TO-14 and TO-15 Scans on pg. 12.						
3,3'-Dichlorobenzidine	91-94-1	OVS-7 (SKC 226-57)	0.2	20 - 100	HPLC/UV	NIOSH 5528M	10	C,R	--
Dichlorodifluoromethane	75-71-8	1 lg. CT (SKC 226-09) & 1 sm. CT (SKC 226-01) in series	0.01 - 0.05	1 - 4	GC/FID	NIOSH 1018	50	R,S	---
			See also TO-14 and TO-15 Scans on pg. 12.						

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
1,1-Dichloroethane	75-34-3	CT (SKC 226-01)	0.01 - 0.2	0.5 - 15	GC/FID	NIOSH 1003	7	D1	55
		See also TO-14 and TO-15 Scans on pg. 12.							
1,1-Dichloroethylene	75-35-4	CT (SKC 226-01)	0.01 - 0.2	2.5 - 7	GC/FID	NIOSH 1015	5	D1	55
		See also TO-14 and TO-15 Scans on pg. 12.							
cis-1,2-Dichloroethylene	156-59-2	CT (SKC 226-01)	0.01 - 0.2	0.2 - 5	GC/FID	NIOSH 1003	8	D1	55
		See also TO-14 and TO-15 Scans on pg. 12.							
trans-1,2-Dichloroethylene	156-60-5	CT (SKC 226-01)	0.01 - 0.3	0.2 - 6	GC/FID	NIOSH 1003	9	D1	55
		See also TO-15 Scan on pg. 12.							
Dichlorofluoromethane	75-43-4	CT (SKC 226-01) 2 in series	0.01 - 0.05	0.25 - 3	GC/FID	NIOSH 2516	50	R,D1	77
		1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	EPA TO-15	0.5 - 10 ppb		150
Dichloromethane	75-09-2	CT (SKC 226-01) 2 in series	0.01 - 0.2	0.5 - 2.5	GC/FID	NIOSH 1005	8	D1	55
		Lg CT (SKC 226-09)	0.01 - 0.2	10	GC/FID	OSHA 59	16	D1	55
		Orbo 91	.05	3	GC/FID	OSHA 80	8	D2,S	55
		See also Volatile Organic Scan on pg. 11, and TO-14 and TO-15 Scans on pg. 12.							
2,4-Dichlorophenol	120-83-2	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
1,3-Dichloropropane	142-28-9	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See TO-15 Scan pg 12	0.5 ppb	G	275
cis-1,3-Dichloropropene	10061-01-5	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See TO-14 Scan pg 12	0.5 ppb	G	225
		See also TO-15 Scan on pg. 12.							
trans-1,3-Dichloropropene	10061-02-6	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See TO-14 Scan pg 12	0.5 ppb	G	225
		See also TO-15 Scan on pg. 12.							
Dichlorotetrafluoroethane	76-14-2	1.4 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See TO-14 Scan pg 12	0.5 ppb	G	225
		See also TO-14 and TO-15 Scans on pg. 12.							
Dichlorvos	62-73-7	OVS-2 (SKC 226-58)	1	480	GC/FPD	OSHA 62	0.5	C	---
Dieldrin	60-57-1	GF	1.5	180	GC/ECD	NIOSH S283	0.02	S,T-1,D13	88

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
Diesel Fuel	68476-34-6	CT (SKC 226-01)	0.01 - 0.2	1.3 - 20	GC/FID	NIOSH 1550	25	D1	70
Diethanolamine	111-42-2	NITC Tr. XAD-2 (SKC 226-30-18)	0.1	1.5 - 12	HPLC/UV	OSHA 60	0.5		88
		NITC Tr. Badge (Assay N585-AT)	Passive	>120 minutes	HPLC/UV	OSHA 60	1.0		88
		See also Amine Scan on pg. 9.							
Diethyl Phthalate	84-66-2	OVS-Tenax (SKC 226-56)	0.5 - 1	15 - 240	GC/FID	OSHA 104	10	D7	55
		See also Semivolatile Organic Compound Scan on pg. 14.							
Diethyl Sulfide	352-93-2	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See Sulfur Compound Scan pg 13	0.5 ppb	G	300
Diethylamine	109-89-7	NITC Tr. XAD-2 (SKC 226-30-18)	0.1	1.5 - 12	HPLC/UV	OSHA 60	0.5		88
		NITC Tr. Badge (Assay N585-AT)	Passive	>120 minutes	HPLC/UV	OSHA 60	1.0		88
		See also Amine Scans on pg. 9 and 13.							
2-Diethylaminoethanol	100-37-8	Silica gel (SKC 226-10)	0.01 - 1.0	3 - 30	GC/FID	NIOSH 2010			---
Diethylene Glycol	111-46-6	OVS-7 (SKC 226-57)	0.5 - 2.0	15 - 60	GC/FID	NIOSH 5523	100	R,D11	55
Diethylene Glycol Monobutyl Ether	112-34-5	CT (SKC 226-01)	0.1 - 0.2	10	GC/FID	MDHS 96	5	D2	55
		See also Semivolatile Organic Compound Scan on pg. 14.							
Diethylenetriamine	111-40-0	NITC Tr. XAD-2 (SKC 226-30-18)	0.1	1.5 - 12	HPLC/UV	OSHA 60	0.5		88
		NITC Tr. Badge (Assay N585-AT)	Passive	>120 minutes	HPLC/UV	OSHA 60	1.0		88
		See also Amine Scan on pg. 9.							
Diethyltoluenediamine	68479-98-1	GSA	1	15 - 120	HPLC/UV	OSHA 105	1.5		88
Difluoromethane	75-10-5	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	EPA TO-15	0.5 - 10 ppb		150
Diisobutyl Ketone	108-83-8	CT (SKC 226-01)	0.01 - 0.2	0.5 - 3	GC/FID	NIOSH 1300	5	D1	55
		See also Volatile Organic Scan on pg. 11.							
Dimethyl Adipate	627-93-0	CT (SKC 226-01)	0.2	20 Liters	GC/FID	OSHA PV2019	5	D35	55
Dimethyl Disulfide	624-92-0	CT (SKC 226-01)	0.05 - 0.2	10 - 50 Liters	GC/MS	See Volatile Organic Scan pg 11	5	G	200
		See also Sulfur Compound Scan on pg. 13.							

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
Dimethyl Glutarate	1119-40-0	CT (SKC 226-01)	0.2	20 Liters	GC/FID	OSHA PV2020	5	D35	55
Dimethyl Phthalate	131-11-3	OVS-Tenax (SKC 226-56)	0.5 - 1	15 - 240	GC/FID	OSHA 104	10	D7	55
		See also Semivolatile Organic Compound Scan on pg. 14.							
Dimethyl Succinate	106-65-0	CT (SKC 226-01)	0.2	20 Liters	GC/FID	OSHA PV2021	5	D35	55
Dimethyl Sulfide	75-18-3	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Cannabis Odor Scan pg 13	0.5 ppb	G	350
		1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See Sulfur Compound Scan pg 13	0.5 ppb	G	300
		See also Cannabis Odor Scan and Sulfur Compound Scan on pg. 13.							
Dimethylacetamide	127-19-5	SGT (SKC 226-10)	0.01 - 1	15 - 80	GC/FID	NIOSH 2004	5	Y,D11	55
Dimethylamine	124-40-3	NITC Tr. XAD-2 (SKC 226-30-18)	0.1	1.5 - 12	HPLC/UV	OSHA 60	0.5		88
		NITC Tr. Badge (Assay N585-AT)	Passive	>120 minutes	HPLC/UV	OSHA 60	1.0		88
		See also Amine Scan on pg. 9.							
2,5-Dimethylbenzaldehyde	5779-94-2	DNPH Tr. SGT (SKC 226-119) followed by a small CT (SKC 226-01)	0.1 - 1	5 - 120	HPLC/UV	EPA TO-11	0.5	A,R	78
		DNPH Tr. Badge (Assay N571-AT)	Passive	>240 minutes	HPLC/UV	EPA TO-11	0.5	R	78
		See also Aldehyde Scan TO-11 pg. 9 and TO-15 pg. 13.							
Dimethylethanolamine	108-01-0	XAD-2 (SKC 226-30)	0.1 - 0.2	10 - 20	GC/NPD	MOBAY CIHL 2.10.1	0.4	D41	90
		See also Amine Scan on pg. 13.							
Dimethylformamide	68-12-2	SGT (SKC 226-10)	0.01 - 1	15 - 80	GC/FID	NIOSH 2004	5	Y,D11	55
		1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	see LEED v4 Scan	0.5 ppb	G	325
2,4-Dimethylphenol	105-67-9	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
Dinitrobenzene	25154-54-5	OVS-2 (SKC 226-30)	1	60	GC/FID	OSHA In-House	5	D15,S	55
		See individual isomers (1,2-Dinitrobenzene, 1,3-Dintrobenzene and 1,4-Dinitrobenzene) for GCMS analysis.							
1,2-Dinitrobenzene	528-29-0	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
1,3-Dinitrobenzene	99-65-0	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
1,4-Dinitrobenzene	100-25-4	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
2,4-Dinitrotoluene	121-14-2	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
2,6-Dinitrotoluene	606-20-2	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
Di-n-octyl Phthalate	117-84-0	OVS-Tenax (SKC 226-56)	0.5 - 1	15 - 240	GC/FID	OSHA 104	10	D7	55
1,4-Dioxane	123-91-1	CT (SKC 226-01)	0.01 - 0.20	0.5 - 15	GC/FID	NIOSH 1602	5	D1	55
		See also Volatile Organic Scan on pg. 11 and TO-15 Scan on pg. 12.							
Dodecane	112-40-3	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See TO-15 Scan pg 12	0.5 ppb	G	275
Dust, respirable		PVC-PW w/37mm aluminum cyclone	2.5^^	400 - 1000	Gravimetric	NIOSH 0600	20		27
		MWAA w/37mm aluminum cyclone	2.5^^	400 - 1000	Gravimetric	NIOSH 0600	100		31
		PVC-PW w/10mm nylon cyclone	1.7^^	400 - 1000	Gravimetric	NIOSH 0600	20		27
		MWAA w/10mm nylon cyclone	1.7^^	400 - 1000	Gravimetric	NIOSH 0600	100		31
		^^Note: other cyclones may require different flow rates, see manufacturer's specifications.							
		The reference method for LEED particulate matter is EPA-IP10.							
Dust, total		PVC-PW	1 - 4	120 - 1200	Gravimetric	NIOSH 0500	20		27
		MWAA	1 - 4	120 - 1200	Gravimetric	NIOSH 0500	100		31
		The reference method for LEED particulate matter is EPA-IP10.							
Enflurane	13838-16-9	CT (SKC 226-01) 2 in series	0.01 - 0.10	10 - 15	GC/FID	OSHA 29	10	R, D7	77
		Anasorb 747 (SKC 226-81A)	0.025 - 0.05	0.75 - 12	GC/FID	OSHA 103	10	R, D7	77
		PM (SKC 575-002)	Passive	15 - 40 minutes	GC/FID	OSHA 103	10	R, D7	77
Epichlorohydrin	106-89-8	CT (SKC 226-01)	0.01 - 0.2	12 - 30	GC/FID	NIOSH 1010	7	D1	55
		See also Volatile Organic Scan on pg. 11 and TO-15 Scan on pg. 12.							
Ethanol	64-17-5	CT (SKC 226-01)	0.01 - 0.05	0.1 - 1	GC/FID	NIOSH 1400	5	S,D2	55
		Anasorb 747 (SKC 226-81A)	0.05	12	GC/FID	OSHA 100	5	D2	55
		See also TO-15 Scan on pg. 12.							

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
Ethanolamine	141-43-5	NITC Tr. XAD-2 (SKC 226-30-18)	0.1	1.5 - 12	HPLC/UV	OSHA 60	0.5		88
		NITC Tr. Badge (Assay N585-AT)	Passive	>120 minutes	HPLC/UV	OSHA 60	1.0		88
		See also Amine Scans on pg. 9 and 13.							
2-Ethoxyethanol	110-80-5	CT (SKC 226-01)	0.01 - 0.05	1 - 6	GC/FID	NIOSH 1403	5	S,D42	55
		See also Volatile Organic Scan on pg. 11 and Semivolatile Organic Compound Scan on pg. 14.							
2-(2-Ethoxyethoxy)ethanol	111-90-0	CT (SKC 226-01)	0.1 - 0.2	10	GC/FID	OSHA PV2013	5	D2	55
		See also Semivolatile Organic Compound Scan on pg. 14.							
2-(2-Ethoxyethoxy)ethyl Acetate	112-15-2	CT (SKC 226-01)	0.2	50	GC/FID	OSHA PV2013	5	D2	55
		See also Semivolatile Organic Compound Scan on pg. 14.							
2-Ethoxyethyl Acetate	111-15-9	CT (SKC 226-01)	0.01 - 0.2	1 - 10	GC/FID	NIOSH 1450	5	D1	55
		See also Semivolatile Organic Compound Scan on pg. 14.							
Ethoxylated Trimethylolpropane Triacrylate	28961-43-5	GF + Tenax (SKC 226-35)	0.2	10	GC/FID	*AOEH	60	D26	55
		* Applied Occupational and Environmental Hygiene 9(12) Dec. 1994							
Ethyl Acetate	141-78-6	CT (SKC 226-01)	0.01 - 0.2	0.1 - 10	GC/FID	NIOSH 1457	5	R,D1	55
		See also Volatile Organic Scan on pg. 11 and TO-15 Scan on pg. 12.							
Ethyl Acrylate	140-88-5	CT (SKC 226-01)	0.01 - 0.2	1 - 10	GC/FID	NIOSH 1450	5	D1	55
		Catechol Tr. CT (SKC 226-73)	0.05	0.75 - 12	GC/FID	OSHA 92	5	D1	55
		See also TO-15 Scan on pg. 12.							
Ethyl Amyl Ketone	106-68-3	CT (SKC 226-01)	0.01 - 0.2	1 - 25	GC/FID	NIOSH 1301	5	S,D1	55
Ethyl Benzene	100-41-4	CT (SKC 226-01)	0.01 - 0.2	1 - 24	GC/FID	NIOSH 1501	5	D1	55
		See also Volatile Organic Scan on pg. 11 and TO-14 and TO-15 Scans on pg. 12.							
Ethyl Bromide	74-96-4	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See TO-15 Scan pg 12	0.5 ppb	G	275
Ethyl Butyl Ketone	106-35-4	CT (SKC 226-01)	0.01 - 0.2	1 - 25	GC/FID	NIOSH 1301	5	S,D1	55
Ethyl Chloride	75-00-3	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See TO-14 Scan pg 12	0.5 ppb	G	225
		See also TO-15 Scan on pg. 12.							
Ethyl Cyanoacrylate	7085-85-0	H3PO4 Tr. XAD-7 (SKC 226-98)	0.1 - 0.2	10 - 75	HPLC/UV	OSHA 55	2	R	88

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
Ethyl Ether	60-29-7	CT (SKC 226-01)	0.01 - 0.2	0.25 - 3	GC/FID	NIOSH 1610	5	R,D1	55
Ethyl Formate	109-94-4	CT (SKC 226-01)	0.01 - 0.2	0.3 - 10	GC/FID	NIOSH 1452	8	D1	55
Ethyl Mercaptan	75-08-1	GF impregnated with mercuric acetate (special order)	0.1 - 0.2	10 - 150	GC/FPD	NIOSH 2542	4	C	---
		See also Sulfur Compound Scan on pg. 13.							
Ethyl Silicates	78-10-4	XAD-2 (SKC 226-30)	0.01 - 0.05	5 - 10	GC/FID	NIOSH S264	5	D1	55
2-Ethyl Thiophene	872-55-9	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See Sulfur Compound Scan pg 13	0.5 ppb	G	300
Ethylamine	75-04-7	NITC Tr. XAD-2 (SKC 226-30-18)	0.1	1.5 - 12	HPLC/UV	OSHA 60	0.5		88
		NITC Tr. Badge (Assay N585-AT)	Passive	>120 minutes	HPLC/UV	OSHA 60	1.0		88
		See also Amine Scan on pg. 9.							
Ethylene Dibromide	106-93-4	CT (SKC 226-01)	0.05 - 0.2	10 - 50 Liters	GC/MS	See Volatile Organic Scan pg 11	5	G	200
		See also TO-14 and TO-15 Scans on pg. 12.							
Ethylene Dichloride	107-06-2	CT (SKC 226-01)	0.01 - 0.2	1 - 50	GC/FID	NIOSH 1003	7	D1	55
		See also Volatile Organic Scan on pg. 11 and TO-14 and TO-15 Scans on pg. 12.							
Ethylene Glycol	107-21-1	OVS-7 (SKC 226-57)	0.5-2.0	15-60	GC/FID	NIOSH 5523	40	R,D11	55
		1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	see LEED v4 Scan	0.5 ppb	G	325
Ethylene Oxide	75-21-8	OVM 3551 Passive Monitor	Passive	15 - 480 minutes	GC/ECD	OSHA 1010M	2	R,D6	77
		HBr Tr. CT (SKC 226-178)	0.05 - 0.15	10 - 24	GC/ECD	OSHA 1010	1	R,D6	77
		** Note: If the relative humidity is >60%, obtain a maximum 10 liter volume.**							
Ethylenediamine	107-15-3	NITC Tr. XAD-2 (SKC 226-30-18)	0.1	1.5 - 12	HPLC/UV	OSHA 60	0.5		88
		NITC Tr. Badge (Assay N585-AT)	Passive	>120 minutes	HPLC/UV	OSHA 60	1.0		88
		See also Amine Scans on pg. 9 and 13.							
2-Ethylhexanol	104-76-7	CT (SKC 226-01)	0.2	10 - 60	GC/FID	MDHS 96	5	D2	55
		See also Cannabis Odor Scan on pg. 13.							
2-Ethylhexyl Acrylate	103-11-7	Catechol Tr. CT (SKC 226-73)	0.01-0.1	8 - 12	GC/FID	OSHA PV2026	10	R,D1	55

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
4-Ethyltoluene	622-96-8	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See TO-15 Scan pg 12	0.5 ppb	G	275
Ferrovanadium Dust	12604-58-9	MCE	1 - 4	100 - 1000	ICP	NIOSH 7301	3.82		36
Fibrous Glass		MWAA 3-pc open-faced	0.5 - 16	400 - varies	Gravimetric	NIOSH 0500	100		31
		MCE, 25mm conductive cowl on cassette open faced (SKC 225-321)	0.5-16	400-varies	PCM	NIOSH 7400 "B" Rules	0.03 fibers/field		35
Fluoranthene	206-44-0	PTFE + ORBO 43	2	300 - 960	HPLC/UV/FL	NIOSH 5506	0.2	T-1,F,R	88
		See also PNA Scan on pg. 9.							
Fluorene	86-73-7	PTFE + ORBO 43	2	300 - 960	HPLC/UV/FL	NIOSH 5506	0.1	T-1,R,F	88
		See also PNA Scan on pg. 9 and Semivolatile Organic Compound Scan on pg. 14.							
Fluoride, particulate and/or gaseous		MCE/Na2CO3 Tr. back-up pad	1 - 2	50 - 800	IC	NIOSH 7906	10 gas/50 part.	C	126
Fluorine	7782-41-4	IMP, 15ml 0.1 NaOH	1		IC	OSHA 110			
Fluorine as F	7782-41-4	IMP, 15ml 0.1 NaOH	1 (max)	45 - 480	IC	EHL 4000	1 ug/mL		64
Formaldehyde	50-00-0	DNPH Tr. SGT (SKC 226-119) followed by a small CT (SKC 226-01)	0.1 - 1	5 - 120	HPLC/UV	NIOSH 2016	0.05	A,R	78
		DNPH Tr. Badge (Assay N571-AT)	Passive	>120 minutes	HPLC/UV	EPA TO-11	0.05	R	78
		2 IMP, 20 ml each, 1% sodium bisulfite*	0.2 - 1	60 - 100	Color	NIOSH 3500	0.05 ug/mL	R	64
		*when sampling by N3500, use a PTFE prefilter if sampling in a dusty environment.							
		See also Aldehyde Scan TO-11 pg. 9 and TO-15 pg. 13. See TO-15 Scan on pg. 12.							
Formamide	75-12-7	SGT (SKC 226-10)	0.1	1.5 - 10	GC/FID	OSHA In-House	5	D11	55
Formic Acid	64-18-6	5 um PTFE (25mm) + P-SGT (SKC 226-10-03)	0.05 - 0.2	6 - 24	IC	NIOSH 2011	3		64
		CT (SKC 226-01)	0.2	24 - 48	IC	OSHA PV2119	20		64
		FGB, 10 ml 0.01N NaOH	0.5 - 1	120 - 480	IC	OSHA 112	2	R,S	64
		Note: The PTFE filter can be analyzed for particulate Formates, for an additional $63							
		See also Organic Acid Scan on pg. 10.							
Fungi (Spore Count & ID)		Air-O-Cell	15	1 - 10 minutes	Microscopy	EHL 7030	4 spores		46
Fungi (Tape Lift)		Bio-Tape			Microscopy	EHL 7040	1 spore	C	52

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
Fungi (Viable Count & ID)		MEA Plate	28.3	Varies	Culture	ACGIH; NIOSH 0800	1 CFU	R,C	---
		Swab			Culture	ACGIH; NIOSH 0800	1 CFU	R,C	---
Furfural	98-01-1	DNPH Tr. SGT (SKC 226-119) followed by a small CT (SKC 226-01)	0.1 - 1	15 - 100	HPLC/UV	EPA TO-11	1	A,R	78
		See also Aldehyde Scan TO15 pg. 13.							
Furfuryl Alcohol	98-00-0	Porapak Q tube (SKC 226-115)	0.01 - 0.05	15 - 25	GC/FID	NIOSH 2505	6	S/D26	55
Gadolinium	7440-54-2	MCE	1 - 4	30-1000	ICP	NIOSH 7301	5		36
Gallium	7440-55-3	MCE	1 - 4	30-1000	ICP	NIOSH 7301	2		36
Gasoline	8006-61-9	CT (SKC 226-01)	0.05 - 0.1	3 - 10	GC/FID	OSHA PV2028	25	D1	70
Glutaraldehyde	111-30-8	DNPH Tr. SGT (SKC 226-119) followed by a small CT (SKC 226-01)	0.05 - 0.5	2 - 30	HPLC/UV	NIOSH 2532	0.2	A,R	78
		DNPH Tr. Badge (Assay N571-AT)	Passive	>300 minutes	HPLC/UV	OSHA 64	0.2	R	78
		DNPH Tr. GF open faced followed by a small CT (SKC 226-01)	1	15 - 170	HPLC/UV	OSHA 64	0.2	A,R,C	78
		See also Semivolatile Organic Compound Scan on pg. 14.							
Glutaric Acid	110-94-1	P-SGT (SKC 226-10-03)	0.05 - 0.2	12 - 24	IC	EHL 4130	30		64
Glycolic Acid	79-14-1	5 um PTFE (25mm) + P-SGT (SKC 226-10-03)	0.05 - 0.2	6 - 24	IC	EHL 4120	3		126
		See also Organic Acid Scan on pg. 10.							
Gold	7440-57-5	MCE	1 - 4	30 - 1000	ICP	NIOSH 7301	5		36
Graphite (natural)	7782-42-5	PVC-PW	1 - 2	25 - 1000	Gravimetric	NIOSH 0500	20		27
o-Guaiacol	90-05-1	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Cannabis Odor Scan pg 13	0.25 ppb	G	350
Hafnium	7440-58-6	MCE	1 - 4	100 - 1000	ICP	NIOSH 7301	5		36
Halothane	151-67-7	Anasorb 747 (SKC 226-81A)	0.05	3 - 12	GC/FID	OSHA 106	8	R, D7	77
		PM (SKC 575-002)	---	15 - 480 minutes	GC/FID	OSHA 106	12	R, D7	77
Heptachlor	76-44-8	XAD-2 (SKC 226-30)	1	60 - 960	GC/ECD	OSHA PV2029	0.01	D13	88

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
Heptadecane	629-78-7	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
Heptanal	111-71-7	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See Aldehyde Scan TO15 pg 13	0.5 ppb	G	300
		See also Cannabis Odor Scan on pg. 13.							
Heptane	142-82-5	CT (SKC 226-01)	0.01 - 0.2	4	GC/FID	NIOSH 1500	5	D1	55
		See also Volatile Organic Scan on pg. 11 and TO-15 Scan on pg. 12.							
Heptyl Mercaptan	1639-09-4	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See Sulfur Compound Scan pg 13	0.5 ppb	G	300
Hexachlorobenzene	118-74-1	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
Hexachlorobutadiene	87-68-3	XAD-2 (SKC 226-30)	0.05 - 0.2	1 - 100	GC/ECD	NIOSH 2543	0.05	S	---
		See also TO-15 Scan on pg. 12 and Semivolatile Organic Compound Scan on pg. 14.							
Hexachlorocyclopentadiene	77-47-4	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
Hexachloroethane	67-72-1	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
Hexadecane	544-76-3	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
Hexaldehyde	66-25-1	DNPH Tr. SGT (SKC 226-119) followed by a small CT (SKC 226-01)	0.1 - 1	5 - 120	HPLC/UV	EPA TO-11	0.5	A,R	78
		DNPH Tr. Badge (Assay N571-AT)	Passive	>240 minutes	HPLC/UV	EPA TO-11	0.5	R	78
		See also Aldehyde Scan TO-11 pg. 9 and TO-15 pg. 13. See Cannabis Odor Scan on pg. 13.							
Hexamethylene Diisocyanate	822-06-0	GFZ, open-faced	1	15 - 60	HPLC/UV/FL	OSHA 42	0.3	T-4,R	88
		Analysis can also include oligomers on request. See also Isocyanate Scan on pg. 9.							
n-Hexane	110-54-3	CT (SKC 226-01)	0.01 - 0.2	5 - 30	GC/FID	NIOSH 1500	5	D1	55
		See also Volatile Organic Scan on pg. 11 and TO-15 Scan on pg. 12.							
1,6-Hexanediamine	124-09-4	NITC Tr. XAD-2 (SKC 226-30-18)	0.1	1.5 - 12	HPLC/UV	OSHA 60	1		88
		See also Amine Scan on pg. 13.							
1,6-Hexanediol Diacrylate	13048-33-4	GF + Tenax (SKC 226-35)	0.2	10	GC/FID	*AOEH	5	D26	55
		* Applied Occupational and Environmental Hygiene 9(12) Dec. 1994							

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
Hexyl Mercaptan	111-31-9	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See Sulfur Compound Scan pg 13	0.5 ppb	G	300
Hexylene Glycol	107-41-5	OVS-7 (SKC 226-57)	0.5-2.0	15-60	GC/FID	NIOSH 5523	16	R,D11	55
a-Humulene	6753-98-6	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Cannabis Odor Scan pg 13	0.25 ppb	G	350
Hydrazine	302-01-2	GSA	1	90 - 240	HPLC/UV	OSHA 108	0.12	R	88
Hydrogen Bromide	10035-10-6	P-SGT (SKC 226-10-03)	0.2	6 - 100	IC	OSHA 165 SG	1.52	Y	64
		See also Acid Scan on pg. 10.							
Hydrogen Chloride	7647-01-0	P-SGT (SKC 226-10-03)	0.2 - 0.5	6 - 100	IC	OSHA 174 SG	1.542	Y	64
		See also Acid Scan on pg. 10.							
Hydrogen Cyanide	74-90-8	Soda Lime tube (SKC 226-28)	0.05 - 0.2	2 - 90	Color	NIOSH 6010	0.3		64
		IMP, 15ml 0.1 NaOH	0.5 - 1	10 - 180	Color	NIOSH 6010	5	R	64
Hydrogen Fluoride	7664-39-3	MCE/Na2CO3 Tr. back-up pad	1 - 2	40 - 800	IC	NIOSH 7906	10	C	64
Hydrogen Peroxide	7722-84-1	TiOSO4 Tr. QFF	1-2	20 - 240	Color	OSHA 1019	7		64
		FGB, 15ml titanium sulfate	1	20 - 100	Color	OSHA VI-6	8		64
Hydrogen Sulfide	7783-06-4	0.45 um PTFE + ORBO 34	0.1 - 1.5	10 - 40	IC	NIOSH 6013	7	P,S,C	64
		See also Sulfur Compound Scan on pg. 13.							
Hydroquinone	123-31-9	H3PO4 Tr. XAD-7 (SKC 226-98)	0.2	20	HPLC/UV	OSHA PV2094	8		88
		MCE	1 - 4	30 - 180	HPLC/UV	NIOSH 5004	10	T-3	88
Hydroxylamine	7803-49-8	GSA	1	240	HPLC/UV	OSHA 108	3	R	88
Indeno(1,2,3-cd)pyrene	193-39-5	PTFE + ORBO 43	2	300 - 960	HPLC/UV/FL	NIOSH 5506	0.1	T-1,R,F	88
		See also PNA Scan on pg. 9.							
Indium	7440-74-6	MCE	1 - 4	200 - 1000	ICP	NIOSH 7301	2		36
Iodine	7553-56-2	Alkaline Tr. CT (SKC 226-67)	0.5 - 1	125-225	IC	NIOSH 6005	0.36		---

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
Iron Oxide	1309-37-1	MCE	1 - 4	50 - 1000	ICP	NIOSH 7301	2.9		36
		Ghost Wipe or Kim Wipe			ICP	OSHA 125G	7.5		36
		Bulk		1 gram	ICP	OSHA 125G	0.02%		45
		See also Metal Scans on pg. 10. Note: If choosing metal scans, the ghost wipe will elevate the Zinc RL to 200 ug.							
Isoamyl Alcohol	123-51-3	CT (SKC 226-01)	0.01 - 0.2	1 - 10	GC/FID	NIOSH 1402	5	S,D2	55
Isobutane	75-28-5	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See TO-15 Scan pg 12	0.5 ppb	G	275
Isobutanol	78-83-1	CT (SKC 226-01)	0.01 - 0.2	2 - 10	GC/FID	NIOSH 1401	5	S,D2	55
		See also Volatile Organic Scan on pg. 11.							
Isobutyl Acetate	110-19-0	CT (SKC 226-01)	0.01 - 0.2	1 - 10	GC/FID	NIOSH 1450	5	D1	55
		See also Volatile Organic Scan on pg. 11.							
Isobutyl Isobutyrate	97-85-8	CT (SKC 226-01)	0.05 - 0.2	10	GC/FID	OSHA PV2090	5	D1	55
Isobutyl Mercaptan	513-44-0	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See Sulfur Compound Scan pg 13	0.5 ppb	G	300
Isobutyraldehyde	78-84-2	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Cannabis Odor Scan pg 13	0.5 ppb	G	350
Isocyanate Scan O42/47		GFZ, open-faced	1 Max	15 - 60 Liters open faced	HPLC/UV/FL	OSHA 42/47	0.1 - 0.3	T-4	215
		See Isocyanate Scan on pg. 9.							
Isoflurane	26675-46-7	Anasorb 747 (SKC 226-81A)	0.05	3 - 12	GC/FID	OSHA 103	5	R, D7	77
		PM (SKC 575-002)	---	15 - 480 minutes	GC/FID	OSHA 103	7.5	R, D7	77
Isooctane	540-84-1	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See TO-15 Scan pg 12	0.5 ppb	G	275
Isopentane	78-78-4	CT (SKC 226-01)	0.01 - 0.2	4	GC/FID	NIOSH 1500	5	D1	55
Isopentyl Acetate	123-92-2	CT (SKC 226-01)	0.01 - 0.2	1 - 10	GC/FID	NIOSH 1450	5	D1	55
Isophorone	78-59-1	Anasorb 747 (SKC 226-81A)	0.01 - 1	2 - 25	GC/FID	NIOSH 2508	5	S,D1	55
		See also Semivolatile Organic Compound Scan on pg. 14.							

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
Isophorone Diisocyanate	4098-71-9	GFZ, open-faced	1	15 - 60	HPLC/UV/FL	OSHA 42	0.1	T-4,R	88
		Analysis can also include oligomers on request. See also Isocyanate Scan on pg. 9.							
2-Isopropoxyethanol	109-59-1	CT (SKC 226-01)	0.1 - 0.2	10	GC/FID	MDHS 96	5	D1	55
Isopropyl Acetate	108-21-4	CT (SKC 226-01)	0.02 - 0.2	1 - 10	GC/FID	NIOSH 1454	5	D1	55
		See also Volatile Organic Scan on pg. 11.							
Isopropyl Mercaptan	75-33-2	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See Sulfur Compound Scan pg 13	0.5 ppb	G	300
Isopropylamine	75-31-0	NITC Tr. XAD-2 (SKC 226-30-18)	0.1	1.5 - 12	HPLC/UV	OSHA 60	0.5		88
		NITC Tr. Badge (Assay N585-AT)	Passive	>120 minutes	HPLC/UV	OSHA 60	1.0		88
		See also Amine Scans on pg. 9 and 13.							
4-Isopropyltoluene	99-87-6	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See TO-15 Scan pg 12	0.5 ppb	G	275
Isovaleraldehyde	590-86-3	DNPH Tr. SGT (SKC 226-119) followed by a small CT (SKC 226-01)	0.1 - 1	5 - 120	HPLC/UV	EPA TO-11	0.5	A,R	78
		DNPH Tr. Badge (Assay N571-AT)	Passive	>240 minutes	HPLC/UV	EPA TO-11	0.5	R	78
		See also Aldehyde Scan TO-11 pg. 9.							
Isovaleric Acid	503-74-2	5 um PTFE (25mm) + P-SGT (SKC 226-10-03)	0.05 - 0.2	6 - 24	IC	EHL 4120	3		126
		See also Organic Acid Scan on pg. 10.							
Kerosene	8008-20-6	CT (SKC 226-01)	0.01 - 0.2	1.3 - 20	GC/FID	NIOSH 1550	25	D1	70
Lanthanum	7439-91-0	MCE	1 - 4	30 - 1000	ICP	NIOSH 7301	2		36
Lead and its inorganic compounds	7439-92-1	MCE	1 - 4	150 - 1000	ICP	NIOSH 7301	0.75		36
		Ghost Wipe or Kim Wipe			ICP	OSHA 125G	0.75		36
		Bulk		1 gram	ICP	OSHA 125G	0.0075%		45
		See also Metal Scans on pg. 10. Note: If choosing metal scans, the ghost wipe will elevate the Zinc RL to 200 ug.							
Lead Arsenate (as Pb)	3687-31-8	MCE	1 - 4	250 - 1000	ICP	NIOSH 7301	1.1		36

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
LEED v3.2 (2009) Scan		1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	EPA TO-15	0.5 ppb		225
Includes Top 10 Tentatively Identified Compounds (TICs) , TVOC (C3 - C12), 4-Phenylcyclohexene (4-PCH) and Formaldehyde. RL for Formaldehyde is 10 ppb and the RL for 4-PCH is 0.20 ppb using a 1.0 Liter Canister.									
LEED v4 Scan		1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	EPA IP-1	0.5 - 1 ppb	G	325
		DNPH Tr. Badge (Assay N571-AT)	Passive	>240 minutes	HPLC/UV	EPA TO-11	0.1	R	125
Canister Method compound list is derived from California Department of Public Health Method Version 1.1 Includes Top Ten Tentatively Identified Compounds (TICs) and TVOC (C5 - C17). See pg. 15 for more details. LEED v4 Scan includes: Benzene, Carbon Disulfide, Carbon Tetrachloride, Chlorobenzene, Chloroform, p-Dichlorobenzene, 1,1-Dichloroethylene, N-N-Dimethylformamide, 1,4-Dioxane, Epichlorohydrin, 2-Ethoxyethanol, 2-Ethoxyethyl Acetate, Ethyl Benzene, Ethylene Glycol, n-Hexane, Isophorone, 2-Methoxyethanol, 2-Methoxyethyl Acetate, 1-Methoxy-2-propanol, Methyl t-Butyl Ether, Methylene Chloride, Naphthalene, Phenol, 2-Propanol, Styrene, Tetrachloroethylene, Toluene, 1,1,1-Trichloroethane, Trichloroethylene, Vinyl Acetate and Total Xylenes (o,m,p).									
LEED v4.1 Scan		1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	EPA TO-15	0.5 - 1 ppb	G	225
		DNPH Tr. Badge (Assay N571-AT)	Passive	>240 minutes	HPLC/UV	EPA TO-11	0.1	R	125
Canister Method compound list is derived from California Department of Public Health Method Version 1.1 Includes Top Ten Tentatively Identified Compounds (TICs) and TVOC (C5 - C17). See pg. 15 for more details. LEED v4 Scan includes: Benzene, Naphthalene, n-Hexane, p-Dichlorobenzene, Phenol, Styrene, Toluene, Trichloroethylene, Vinyl Acetate, Total Xylenes (m,o,p)									
d-Limonene	5989-27-5	CT (SKC 226-01)	0.01 - 0.2	2 - 30	GC/FID	NIOSH 1552	5	D1	55
See also Volatile Organic Scan on pg. 11 and TO-15 Scan on pg. 12. See Cannabis Odor Scan on pg. 13.									
Linalool	78-70-6	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Cannabis Odor Scan pg 13	0.25 ppb	G	350
Linalyl Acetate	115-95-7	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Cannabis Odor Scan pg 13	0.25 ppb	G	350
Lithium	7439-93-2	MCE	1 - 4	30 - 1000	ICP	OSHA 121	0.1		36
See also Cation Scan on pg. 10.									
Lithium Hydroxide (as Li)	1310-65-2	MCE	1 - 4	30 - 1000	ICP	OSHA 121	0.5		36
3-Iodo-propynyl Butylcarbamate (IPBC)	55406-53-6	GF + XAD-2 (SKC 226-30)	1	60 - 400	HPLC/UV	EHL 1060	5		88
Magnesium	7439-95-4	MCE	1 - 4	30 - 1000	ICP	NIOSH 7301	10		36
See also Cation Scan on pg. 10.									
Magnesium Oxide	1309-48-4	MCE	1-4	30 - 1000	ICP	NIOSH 7301	17		36

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
Malathion	121-75-5	OVS-2 (SKC 226-58)	1	60	GC/FPD	OSHA 62	0.5	R,S	---
Maleic Anhydride	108-31-6	p-Anisidine Tr. XAD-2 (SKC 226-30-07) + untreated XAD-2 (SKC 226-30)	0.1	20 - 100	HPLC/UV	OSHA 25	0.1	F,R	88
Malonic Acid	2757-18-8	5 um PTFE (25mm) + P-SGT (SKC 226-10-03)	0.05 - 0.2	6 - 24	IC	EHL 4120	3		126
		See also Organic Acid Scan on pg. 10.							
Manganese	7439-96-5	MCE	1 - 4	50 - 1000	ICP	NIOSH 7301	0.075		36
		Ghost Wipe or Kim Wipe			ICP	OSHA 125G	0.75		36
		Bulk		1 gram	ICP	OSHA 125G	0.00075%		45
		See also Metal Scans on pg. 10. Note: If choosing metal scans, the ghost wipe will elevate the Zinc RL to 200 ug.							
Mercury, inorganic (particulate)	7439-97-6	MCE	2	60 - 100	AA-CV	OSHA 145	0.3	S	70
		Kim wipe			AA-CV	OSHA 145	0.3	C,S	70
Mercury, inorganic (vapor)	7439-97-6	Hydrar (SKC 226-17-1A)	0.15 - 0.25	30 - 100	AA-CV	NIOSH 6009	0.075		65
		PM (SKC 520-02)	passive	>250 minutes	AA-CV	NIOSH 6009	0.125		65
Metal Scan, Common O125G		MCE	1 - 4	600	ICP	NIOSH 7301	0.015 - 30		140
		Ghost Wipe (note: Zn RL elevated to 200 ug)			ICP	OSHA 125G	0.5 - 30, 200 for Zn		140
		Kim Wipe			ICP	OSHA 125G	0.3 - 30		140
		Bulk		1 gram	ICP	OSHA 125G	0.00015% - 0.3%		170
		Note: Due to the high background of Zinc on a Ghost Wipe, the RL is elevated to 200 ug for Zinc. See pg. 10 for more details.							
Metal Scan, Welding O125G		MCE	1 - 4	300	ICP	NIOSH 7301	0.04 - 30		110
		Ghost Wipe (note: Zn RL elevated to 200 ug)			ICP	OSHA 125G	0.5 - 30, 200 for Zn		110
		Kim Wipe			ICP	OSHA 125G	0.5 - 30		110
		Bulk		1 gram	ICP	OSHA 125G	0.00375 - 0.3 %		140
		Due to high background reading, the RL for Zinc on a Ghost Wipe is 200 ug. See pg. 10 for more details.							

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
Metal Working Fluids		PTFE-PW	1 - 4	250 - 1200	Gravimetric	NIOSH 5524	20		31
		PTFE-PW	1 - 3	250 - 1200	Gravimetric and Extraction	NIOSH 5524	50		96
Methacrylic Acid	79-41-4	Anasorb 708 (SKC 226-30-08) 2 in series	0.05 - 0.1	2 -24	HPLC/UV	OSHA PV2005	1	R	88
Methanol	67-56-1	Lg SGT (SKC 226-15) 2 tubes in series	0.02 - 0.2	1 - 5	GC/FID	NIOSH 2000	10	Y,D14	55
		SKC 575-007 Anasorb	Passive	15 - 480	GC/FID	OSHA 91	3	R,D24	55
		Methanol can be analyzed by GC/MS canister method. Call lab to discuss.							
1-Methoxy-2-propanol	107-98-2	CT (SKC 226-01)	0.05 - 0.1	2 - 10	GC/FID	OSHA 99	5	S,R,D42	55
		See also Volatile Organic Scan on pg. 11.							
2-Methoxyethanol	109-86-4	CT (SKC 226-01)	0.1 - 1	10 - 72	GC/FID	NIOSH 1403	2	S,D42	55
		See also Semivolatile Organic Compound Scan on pg. 14.							
2-(2-Methoxyethoxy)ethanol	111-77-3	CT (SKC 226-01)	0.2	50	GC/FID	MDHS 96	5	D2	55
		See also Semivolatile Organic Compound Scan on pg. 14.							
2-Methoxyethyl Acetate	110-49-6	CT (SKC 226-01)	0.2	20 - 72	GC/FID	OSHA 79	5	D2	55
		See also Semivolatile Organic Compound Scan on pg. 14.							
2-(2-Methoxymethylethoxy)-propanol Acetate	88917-22-0	CT (SKC 226-01)	0.05 - 0.2	5 - 10	GC/FID	OSHA 99	5	S,R,D42	55
2-(Methoxymethylethoxy)propanol	34590-94-8	CT (SKC 226-01)	0.05 - 0.2	5 - 10	GC/FID	OSHA 99	5	S,R,D42	55
1-Methoxypropyl-2-acetate	108-65-6	CT (SKC 226-01)	0.05 - 0.2	1 - 10	GC/FID	OSHA 99	5	S,R,D42	55
		See also Volatile Organic Scan on pg. 11.							
Methyl 2-Cyanoacrylate	137-05-3	H3PO4 Tr. XAD-7 (SKC 226-98)	0.1 - 0.2	10 - 75	HPLC/UV	OSHA 55	3	R	88
Methyl Acetate	79-20-9	CT (SKC 226-01)	0.01 - 0.2	0.5 - 10	GC/FID	NIOSH 1458	5	D1	55
		See also Volatile Organic Scan on pg. 11.							
Methyl Acrylate	96-33-3	CT (SKC 226-01)	0.01 - 0.2	1 - 5	GC/FID	NIOSH 1459	5	D1	55
Methyl Amyl Alcohol	108-11-2	CT (SKC 226-01)	0.01 - 0.2	1 - 10	GC/FID	NIOSH 1402	5	D2	55

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
Methyl Amyl Ketone	110-43-0	CT (SKC 226-01)	0.01 - 0.2	1 - 25	GC/FID	NIOSH 1301	5	D2	55
		See also Volatile Organic Scan on pg. 11.							
Methyl Anthralinate	134-20-3	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Cannabis Odor Scan pg 13	0.5 ppb	G	350
Methyl Bromide	74-83-9	Anasorb 747 (SKC 226-81A) 2 tubes in series	0.05 - 0.2	3	GC/FID	OSHA PV2040	2	D1	77
		See also TO-14 and TO-15 Scans on pg. 12.							
Methyl Butyl Ketone	591-78-6	CT (SKC 226-01)	0.01 - 0.2	1 - 25	GC/FID	NIOSH 1300	5	D1	55
		See also Volatile Organic Scan on pg. 11 and TO-15 Scan on pg. 12.							
Methyl Chloride	74-87-3	CT (SKC 226-01) 2 in series	0.01 - 0.1	0.4 - 3	GC/FID	NIOSH 1001	8	S/D23	77
		See also TO-14 and TO-15 Scans on pg. 12.							
Methyl Ethyl Ketone	78-93-3	Anasorb 747 (SKC 226-81A)	0.01 - 0.2	0.5 - 12	GC/FID	NIOSH 2500	5	D1	55
		Orbo 90	0.01 - 0.2	0.5 - 12	GC/FID	NIOSH 2500	5	D1	55
		Orbo 91	.050	3	GC/FID	OSHA 84	5	D2,S	55
		See also Volatile Organic Scan on pg. 11 and TO-15 Scan on pg. 12.							
Methyl Ethyl Ketoxime	96-29-7	XAD-4 (SKC 226-93)	0.05 - 0.1	2 - 10	GC/FID	MDHS 96	5	D42	55
Methyl Formate	107-31-3	Anasorb 747 (SKC 226-81A)	0.01 - 0.05	3	GC/FID	OSHA PV2041	5	R,D11	55
Methyl Iodide	74-88-4	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See TO-15 Scan pg 12	0.5 ppb	G	275
Methyl Isoamyl Ketone	110-12-3	CT (SKC 226-01)	0.1	10	GC/FID	OSHA PV2042	5	D1	55
Methyl Isobutyl Ketone	108-10-1	CT (SKC 226-01)	0.01 - 0.2	1 - 10	GC/FID	NIOSH 1300	5	R,D1	55
		See also Volatile Organic Scan on pg. 11 and TO-15 Scan on pg. 12.							
Methyl Isothiocyanate	556-61-6	CT (SKC 226-01)	0.1	20	GC/FID	OSHA In-House	5	D42	55
Methyl Mercaptan	74-93-1	Mercuric acetate impregnated GF (SKC 225-9007)	0.1 - 0.2	10 - 50	GC/FPD	NIOSH 2542	4	F	---
		See also Sulfur Compound Scan on pg. 13.							
Methyl Methacrylate	80-62-6	Catechol Tr. CT (SKC 226-73)	0.05	3	GC/FID	OSHA 94	5	R,D1	55
		See also Volatile Organic Scan on pg. 11 and TO-15 Scan on pg. 12.							

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
Methyl Propyl Ketone	107-87-9	CT (SKC 226-01)	0.01 - 0.2	1 - 10	GC/FID	NIOSH 1300	5	D1	55
a-Methyl Styrene	98-83-9	CT (SKC 226-01)	0.01 - 0.2	1 - 30	GC/FID	NIOSH 1501	5	D1	55
		See also Volatile Organic Scan on pg. 11.							
Methyl tert-Butyl Ether	1634-04-4	Lg CT (SKC 226-09) 2 tubes in series	0.1 - 0.2	2 - 96	GC/FID	NIOSH 1615	10	D1	55
		See also Volatile Organic Scan on pg. 11 and TO-15 Scan on pg. 12.							
2-Methyl Thiophene	554-14-3	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See Sulfur Compound Scan pg 13	0.5 ppb	G	300
n-Methyl-2-pyrrolidone	872-50-4	CT (SKC 226-01)	0.1 - 0.2	2 - 10	GC/FID	NIOSH 1302	5	S,D42	55
		See also Semivolatile Organic Compound Scan on pg. 14.							
2-Methyl-4-isothiazolin-3-one	2682-20-4	OVS Custom (SKC 226-99)	1	15 (minimum)	HPLC/UV	EHL 1000	4	C	88
o-Methylacetopheneone	577-16-2	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Cannabis Odor Scan pg 13	0.25 ppb	G	350
p-Methylacetopheneone	122-00-9	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Cannabis Odor Scan pg 13	0.25 ppb	G	350
Methylal	109-87-5	CT (SKC 226-01)	0.01 - 0.2	1 - 3	GC/FID	NIOSH 1611	5	D13	55
Methylamine	74-89-5	NITC Tr. XAD-2 (SKC 226-30-18)	0.1	1.5 - 12	HPLC/UV	OSHA 60	0.5		88
		NITC Tr. Badge (Assay N585-AT)	Passive	>120 minutes	HPLC/UV	OSHA 60	1.0		88
		See also Amine Scan on pg. 9.							
Methylcyclohexane	108-87-2	CT (SKC 226-01)	0.01 - 0.2	4 - 10	GC/FID	NIOSH 1500	5	D1	55
Methylcyclohexanol	25639-42-3	CT (SKC 226-01)	0.01 - 0.2	1 - 15	GC/FID	NIOSH 1404	5	S,D23	55
Methylcyclopentane	96-37-7	CT (SKC 226-01)	0.05 - 0.2	10 - 50 Liters	GC/MS	See Volatile Organic Scan pg 11	5	G	200
Methylene bis(4-Cyclohexylisocyanate)	5124-30-1	GFZ, open-faced	1	15 - 60	HPLC/UV/FL	OSHA 42	0.1	T-4,R	88
Methylene Bisphenyl Diisocyanate	101-68-8	GFZ, open-faced	1	15 - 60	HPLC/UV/FL	OSHA 47	0.1	T-4,R	88
		Analysis can also include oligomers on request. See also Isocyanate Scan on pg. 9.							
4,4'-Methylene Dianiline	101-77-9	GSA	1 - 2	20 - 1000	HPLC/UV	NIOSH 5029	1.5	C,R,T-8	88

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
Methylisohexenyl ketone	110-93-0	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Cannabis Odor Scan pg 13	0.5 ppb	G	350
1-Methylnaphthalene	90-12-0	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
2-Methylnapthalene	91-57-6	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
2-Methylpentane	107-83-5	CT (SKC 226-01)	0.05 - 0.2	10 - 50 Liters	GC/MS	See Volatile Organic Scan pg 11	5	G	200
3-Methylpentane	96-14-0	CT (SKC 226-01)	0.05 - 0.2	10 - 50 Liters	GC/MS	See Volatile Organic Scan pg 11	5	G	200
2-Methylphenol	95-48-7	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
		See Cresols for GC/FID analysis.							
3-Methylphenol	108-39-4	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
		See Cresols for GC/FID analysis.							
4-Methylphenol	106-44-5	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
		See Cresols for GC/FID analysis.							
Mineral Spirits	64475-85-0	CT (SKC 226-01)	0.01 - 0.2	1.3 - 20	GC/FID	NIOSH 1550	25	D1	70
Molybdenum	7439-98-7	MCE	1 - 4	50 - 1000	ICP	NIOSH 7301	1.5		36
		Ghost Wipe or Kim Wipe			ICP	OSHA 125G	1.5		36
		Bulk		1 gram	ICP	OSHA 125G	0.015%		45
		See also Metal Scans on pg. 10. Note: If choosing metal scans, the ghost wipe will elevate the Zinc RL to 200 ug.							
Monochloroacetic Acid	79-11-8	P-SGT (SKC 226-10-03)	0.05 - 0.2	1 - 100	IC	NIOSH 2008	0.5	Y	64
Morpholine	110-91-8	NITC Tr. XAD-2 (SKC 226-30-18)	0.1	1.5 - 12	HPLC/UV	OSHA 60	0.3		88
		NITC Tr. Badge (Assay N585-AT)	Passive	>120 minutes	HPLC/UV	OSHA 60	0.6		88
b-Myrcene	123-35-3	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Cannabis Odor Scan pg 13	0.25 ppb	G	350
N,N`-Dimethylcyclohexylamine	98-94-2	XAD-2 (SKC 226-30)	0.1 - 0.2	10 - 20	GC/NPD	MOBAY CIHL 2.10.1	0.5	D41	90
		See Amine Scan on pg. 13.							

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
Naphthalene	91-20-3	Chromosorb 106 (SKC 226-110)	0.2	10 - 35	GC/FID	OSHA 35	5	S,D1	55
		PTFE + ORBO 43	2	300 - 960	HPLC/UV/FL	NIOSH 5506	0.5	T-1,F,R	88
		See PNA Scan on pg. 9 and TO-15 Scan on pg. 12. See Semivolatile Organic Compound Scan on pg. 14.							
Nerol	106-25-2	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Cannabis Odor Scan pg 13	0.25 ppb	G	350
Nickel, metal & soluble compounds (as Ni)	7440-02-0	MCE	1 - 4	75 - 1000	ICP	NIOSH 7301	0.75		36
		Ghost Wipe or Kim Wipe			ICP	OSHA 125G	0.75		36
		Bulk		1 gram	ICP	OSHA 125G	0.0075%		45
		See also Metal Scans on pg. 10. Note: If choosing metal scans, the ghost wipe will elevate the Zinc RL to 200 ug.							
Nicotine	54-11-5	XAD-4 (SKC 226-93)	1	60 - 400	GC/NPD	NIOSH 2551	1	S,D15	88
Nitric Acid	7697-37-2	P-SGT (SKC 226-10-03)	0.2	6 - 100	IC	OSHA 165 SG	3	Y	64
		See also Acid Scan on pg. 10.							
2-Nitroanaline	88-74-4	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
3-Nitroaniline	99-09-2	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
4-Nitroaniline	100-01-6	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
Nitrobenzene	98-95-3	SGT (SKC 226-10)	0.01 - 1	10 - 150	GC/FID	NIOSH 2005	5	Y,D12	55
		GSA and SGT (SKC 226-10) in series	0.2	5-50	GC/FID	NIOSH 2017	5	Y,D11	88
		See also Semivolatile Organic Compound Scan on pg. 14.							
p-Nitrochlorobenzene	100-00-5	SGT (SKC 226-10)	0.01 - 1	150	GC/FID	NIOSH 2005	10	S,Y,D11	55
Nitrogen Dioxide	10102-44-0	TEAMS tubes (SKC 226-40-02)	0.20	5	IC	OSHA 182	0.48	R	64
Nitrogen Dioxide & Nitric Oxide		TEAMS 2 tubes w/oxidizer in the middle (SKC 226-40)	0.20	5	IC	OSHA 182/190	0.48 & 0.31	R	126
2-Nitrophenol	88-75-5	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
Nitrosamines Scan N2522		Thermosorb N Tubes	0.2 - 2.0	420 - 960	GC/MS	NIOSH 2522	0.025		225
		See pg. 11 for more details.							

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
Nitrosobutylamine	924-16-3	Thermosorb N Tubes	0.2 - 2.0	420 - 960	GC/MS	See Nitrosamine Scan pg 11	0.025		225
Nitrosodiethylamine	55-18-5	Thermosorb N Tubes	0.2 - 2.0	420 - 960	GC/MS	See Nitrosamine Scan pg 11	0.025		225
Nitrosodimethylamine	62-75-9	Thermosorb N Tubes	0.2 - 2.0	420 - 960	GC/MS	See Nitrosamine Scan pg 11	0.025		225
			See also Semivolatile Organic Compound Scan on pg. 14.						
Nitrosodipropylamine	621-64-7	Thermosorb N Tubes	0.2 - 2.0	420 - 960	GC/MS	See Nitrosamine Scan pg 11	0.025		225
			See also Semivolatile Organic Compound Scan on pg. 14.						
Nitrosomethylethylamine	10595-95-6	Thermosorb N Tubes	0.2 - 2.0	420 - 960	GC/MS	See Nitrosamine Scan pg 11	0.025		225
Nitrosomorpholine	59-89-2	Thermosorb N Tubes	0.2 - 2.0	420 - 960	GC/MS	See Nitrosamine Scan pg 11	0.025		225
Nitrosopiperidine	100-75-4	Thermosorb N Tubes	0.2 - 2.0	420 - 960	GC/MS	See Nitrosamine Scan pg 11	0.025		225
Nitrosopyrrolidine	930-55-2	Thermosorb N Tubes	0.2 - 2.0	420 - 960	GC/MS	See Nitrosamine Scan pg 11	0.025		225
Nitrotoluenes (o-, m-, & p- isomers)	1321-12-6	SGT (SKC 226-10)	0.01 - 0.2	5 - 30	GC/FID	NIOSH 2005	7	S,Y,D11	55
2-n-Octyl-4-isothiazolin-3-one	26530-20-1	OVS Custom (SKC 226-99)	1	15 (minimum)	HPLC/UV	EHL 1000	4	C	88
Nonanal	124-19-6	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See Aldehyde Scan TO15 pg 13	0.5 ppb	G	300
			See also Cannabis Odor Scan on pg. 13.						
Nonane	111-84-2	CT (SKC 226-01)	0.05 - 0.2	10 - 50 Liters	GC/MS	See Volatile Organic Scan pg 11	5	G	200
			See also TO-15 Scan on pg. 12.						
Octanal	124-13-0	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See Aldehyde Scan TO15 pg 13	0.5 ppb	G	300
			See also Aldehyde Scan TO15 pg. 13 and Cannabis Odor Scan on pg. 13.						
Octane	111-65-9	CT (SKC 226-01)	0.01 - 0.2	4	GC/FID	NIOSH 1500	5	D1	55
			See also Volatile Organic Scan on pg. 11 and TO-15 Scan on pg. 12.						

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
Oxalic Acid	144-62-7	MCE	2	30 - 960	IC	OSHA PV2115	2	T-1	64
			See also Organic Acid Scan on pg. 10.						
2,2`-Oxybis(1-chloropropane)	108-60-1	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
Ozone	10028-15-6	Nitrite Tr. GF	0.25 - 1.5	90 - 120	IC	OSHA 214	5		64
		PM (Assay N586-AT)	---	≥360 minutes	IC	OSHA 214	0.1		
Palladium	7440-05-3	MCE	1 - 4	30 - 1000	ICP	NIOSH 7301	5		36
Paraffin Wax Fume	8002-74-2	GF	1	100	GC/FID	OSHA PV2047	20	D1	70
Paraquat	4685-14-7	PTFE	1 - 4	40 - 1000	HPLC/UV	NIOSH 5003	0.5	C	--
Particle ID		Place representative (~one oz.) sample in leakproof non-fibrous container			Microscopy	EHL 7000	1%		65
Particle Size		Place representative (~one oz.) sample in leakproof non-fibrous container			Microscopy	EHL 7000	1 um		65
Pentachlorobenzene	608-93-5	13mm PTFE & Amberlite XAD-2 (SKC 226-30)	0.01 - 0.2	3 - 12	GC/ECD	NIOSH 5517	0.005	D13	88
Pentachlorophenol	87-86-5	GF + two XAD-7 in series (SKC 226-95)	0.2 - 1	48 - 250	HPLC/UV	OSHA 39	1	R,C	---
		If an oil is used in the process, supply a bulk of the oil to ensure separation from Pentachlorophenol.							
Pentadecane	629-62-9	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
Pentafluoroethane	354-33-6	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	EPA TO-15	0.5 - 10 ppb	G	150
Pentamethyldiethylenetriamine	3030-47-5	XAD-2 (SKC 226-30)	0.1 - 0.2	10 - 20	GC/NPD	MOBAY CIHL 2.10.1	0.5	D41	90
			See also Amine Scan on pg. 13.						
Pentane	109-66-0	CT (SKC 226-01)	0.01 - 0.2	4	GC/FID	NIOSH 1500	5	D1	55
			See also Volatile Organic Scan on pg. 11 and TO-15 Scan on pg. 12.						
2,3-Pentanedione	600-14-6	SGT, special (SKC 226-183) 2 tubes in series	0.05 - 0.2	3 - 10	GC/FID	OSHA 1016	1	C,F,R,Y	--

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
1-Pentanol	71-41-0	CT (SKC 226-01)	0.01 - 0.2	1 - 10	GC/FID	NIOSH 1402	5	S,D2	55
1-Pentyl Acetate	628-63-7	CT (SKC 226-01)	0.01 - 0.2	1 - 10	GC/FID	NIOSH 1450	5	D1	55
		See also Volatile Organic Scan on pg. 11.							
2-Pentyl Acetate	626-38-0	CT (SKC 226-01)	0.01 - 0.2	1 - 10	GC/FID	NIOSH 1450	5	D1	55
Peracetic Acid	79-21-0	IMP, 10ml DI H2O	1.0	10 - 60	Color	Chemetrics Visual Color Comparator Test	1	R	64
		TiOSO4 Tr. QFF + SKC 226-199-UC	1.0	15	HPLC/UV	EHL 1080	10	R	64
		10 Day Hold Time, must be kept cold.							
		It is imperative that the flow rate be exactly 1.0 LPM for TiOSO4 Tr. QFF + SKC 226-199-UC media.							
Perchloric Acid	7601-90-3	IMP, 10ml DI H2O	0.5	120 - 240	IC	Collection: OSHA 115SG, Analysis: EPA 314	5	S	64
		Whatman filter (wipe)			IC	Collection: OSHA 115SG, Analysis: EPA 314	5	S	64
		Perchloric Acid method of collection is OSHA ID 115SG and method of analysis is EPA 314.							
Permethrin	52645-53-1	GF	1 - 2	200 - 480	HPLC/UV	EHL 1000	24		88
Petroleum Distillates	8002-05-9	CT (SKC 226-01)	0.01 - 0.2	1.3 - 20	GC/FID	NIOSH 1550	25	D1	70
Phenanthrene	85-01-8	PTFE + ORBO 43	2	300 - 960	HPLC/UV/FL	NIOSH 5506	0.05	T-1,R,F	88
		GF	2	480 - 960	HPLC/UV/FL	OSHA 58	1	F	88
		See also PNA Scan on pg. 9 and Semivolatile Organic Compound Scan on pg. 14.							
Phenol	108-95-2	XAD-7 (SKC 226-95)	0.01 - 0.1	1 - 24	GC/FID	NIOSH 2546	5	D11	55
		Assay 525 Passive Monitor	Passive	60 - 480 minutes	GC/FID	NIOSH 2546	5	D5	55
		See also Cannabis Odor Scan on pg. 13 and Semivolatile Organic Compound Scan on pg. 14.							
Phenyl Ether	101-84-8	CT (SKC 226-01)	0.01 - 0.2	1 - 50	GC/FID	NIOSH 1617	5	D1	55
Phenyl Ether-Diphenyl Mixture	8004-13-5	SGT (SKC 226-10)	0.01 - 0.2	1 - 40	GC/FID	NIOSH 2013	6	S,Y,D17	70
Phenyl Glycidyl Ether	122-60-1	CT (SKC 226-01)	0.01 - 1	80 - 150	GC/FID	NIOSH 1619	5	D1	55
4-Phenylcyclohexene	4994-16-5	CT (SKC 226-01)	1	480	GC/FID	MDHS 96	1	S,D1	55
		See also TO-15 Scan on pg. 12.							

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
Phenylenediamines (o-, m-, & p- isomers)		GSA	1	100	HPLC/UV	OSHA 87	2.1		88
		See individual isomers (o,m and p-phenylenediamine) for GC/MS analysis.							
Phenylethyl Alcohol	60-12-8	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Cannabis Odor Scan pg 13	0.25 ppb	G	350
Phosphine	7803-51-2	GF + treated filter (SKC 225-9018)	1	30 - 240	ICP	OSHA 1003	2.7		64
		As per OSHA, a flow rate of 2 LPM can be used for a maximum of 15 minutes.							
Phosphoric Acid	7664-38-2	MCE	2	30 - 980	IC	OSHA 111	3.1	T-1	64
		P-SGT (SKC 226-10-03)	0.2	12 - 100	IC	OSHA 165 SG	3.1	Y	64
		See also Acid Scan on pg. 10.							
Phosphorus (particulate)	7723-14-0	MCE	1 - 4	300 - 1000	ICP	NIOSH 7301	3		36
Phosporous (vapor/yellow)	12185-10-3	Tenax (SKC 226-35)	0.01 - 0.2	5 - 100	GC/FPD	NIOSH 7905	0.02		---
o-Phthaldehyde	643-79-8	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.1 ppb	G,C	350
		If using a 0.050 Liter Canister, this analyte must be run SIM mode to achieve 0.1 ppb RL. Please call lab to discuss.							
Phthallic Anhydride	85-44-9	Treated Filter	1	75	HPLC/UV	OSHA 90	1	C,R	88
a-Pinene	80-56-8	CT (SKC 226-01)	0.05 - 0.2	10 - 50 Liters	GC/MS	See Volatile Organic Scan pg 11	5	G	200
		See Volatile Organic Scan on pg. 11 and TO-15 Scan on pg. 12.							
b-Pinene	127-91-3	CT (SKC 226-01)	0.05 - 0.2	10 - 50 Liters	GC/MS	See Volatile Organic Scan pg 11	5	G	200
		See also Volatile Organic Scan on pg. 11 and TO-15 Scan on pg. 12.							
Platinum	7440-06-4	MCE	2 - 4	500 - 2000	ICP	NIOSH 7301	0.1		36
PNA Scan N5506		PTFE + Orbo 43	2.0	300 - 960 Liters	HPLC/UV/FL	NIOSH 5506	0.05 - 1.0	T-1,R,F	255
		See pg. 9 for more details.							
Polychlorinated Biphenyl		GF/13mm + Florisil tube (SKC 226-39)	0.05 - 0.2	1 - 50	GC/ECD	NIOSH 5503	0.05	D13	88
Potassium Hydroxide	1310-58-3	PTFE	1 - 4	30 - 1000	ICP	OSHA 121	1.5		36
		MCE	1 - 2	100 - 1000	ICP	OSHA 121	10		36
		See also Cation Scan on pg. 10.							

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
Propane	74-98-6	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See TO-15 Scan pg 12	0.5 ppb	G	275
2-Propanol	67-63-0	CT (SKC 226-01)	0.01 - 0.2	0.5 - 3	GC/FID	NIOSH 1400	5	D2	55
		See also Volatile Organic Scan on pg. 11 and TO-15 Scan on pg. 12.							
n-Propanol	71-23-8	CT (SKC 226-01)	0.01 - 0.2	2-10	GC/FID	NIOSH 1401	5	D2	55
Propene	115-07-1	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See TO-15 Scan pg 12	0.5 ppb	G	275
Propionaldehyde	123-38-6	DNPH Tr. SGT (SKC 226-119) followed by a small CT (SKC 226-01)	0.1 - 1	5 - 120	HPLC/UV	EPA TO-11	0.5	A,R	78
		DNPH Tr. Badge (Assay N571-AT)	Passive	>240 minutes	HPLC/UV	EPA TO-11	0.5	R	78
		See also Aldehyde Scan TO-11 pg. 9 and TO-15 pg. 13.							
Propionic Acid	79-09-4	5 um PTFE (25mm) + P-SGT (SKC 226-10-03)	0.05 - 0.2	6 - 24	IC	EHL 4120	3		126
		See also Organic Acid Scan on pg. 10.							
Propoxur	114-26-1	OVS-2 (SKC 226-58)	1	60	HPLC/UV	NIOSH 5601		C,R	--
2-Propoxyethanol	2807-30-9	CT (SKC 226-01)	0.01 - 0.2	2 - 10	GC/FID	NIOSH 1500	5	D1	55
		See also Semivolatile Organic Compound Scan on pg. 14.							
Propyl Acetate	109-60-4	CT (SKC 226-01)	0.01 - 0.2	1 - 10	GC/FID	NIOSH 1450	5	D1	55
		See also Volatile Organic Scan on pg. 11.							
Propyl Disulfide	629-19-6	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See Sulfur Compound Scan pg 13	0.5 ppb	G	300
Propyl Mercaptan	107-03-9	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See Sulfur Compound Scan pg 13	0.5 ppb	G	300
Propyl Sulfide	111-47-7	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See Sulfur Compound Scan pg 13	0.5 ppb	G	300
Propylbenzene	103-65-1	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See TO-15 Scan pg 12	0.5 ppb	G	275
Propylene Dichloride	78-87-5	CT (SKC 226-01)	0.01 - 0.2	3 - 10	GC/FID	MDHS 96	5	D1	55
		See also Volatile Organic Scan on pg. 11 and TO-14 and TO-15 Scans on pg. 12.							
Propylene Glycol	57-55-6	OVS-7 (SKC 226-57)	0.5 - 2.0	15 - 60	GC/FID	NIOSH 5523	40	R,D11	55

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
Propylene Glycol Ethyl Ether	1569-02-4	CT (SKC 226-01)	0.1	3-48	GC/FID	OSHA In-House	5	D42	55
Propylene Oxide	75-56-9	Anasorb 747 (SKC 226-81A)	0.1	5	GC/FID	OSHA 88	5	S	55
Note: It is imperative that the lab be informed if Isopropanol is present during sampling, as it would require special desorption to eliminate a potential interference.									
Pyrene	129-00-0	PTFE + ORBO 43	2	300 - 960	HPLC/UV/FL	NIOSH 5506	0.05	T-1,F,R	88
		GF	2	480 - 960	HPLC/UV/FL	OSHA 58	1	F	88
See also PNA Scan on pg. 9.									
Pyrethrum	8003-34-7	GF	1 - 3	20 - 400	HPLC/UV	NIOSH 5008	0.2		---
Pyridine	110-86-1	XAD-7 (SKC 226-95) 2 in series	0.1	10	GC/FID	OSHA PV2295	10	S,D11	55
See also Semivolatile Organic Compound Scan on pg. 14.									
Refractory Ceramic Fibers	142844-00-6	MCE, 25mm conductive cowl on cassette open faced (SKC 225-321)	0.5-16	400-varies	PCM	NIOSH 7400 "B" Rules	0.03 fibers/field		35
Resorcinol	108-46-3	OVS-7 (SKC 226-57)	0.5 - 1.0	15 - 90	GC/FID	OSHA PV2053	40	F,D11	55
Rosin Core Solder Thermal Decomposition Products (colophony)	8050-09-7	13mm 5 um MCE (Millipore SMW P01300)	1 - 2	30 - 960	GC/FID	MDHS 83/3	0.5		100
Salicylaldehyde	90-02-8	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Cannabis Odor Scan pg 13	0.5 ppb	G	350
Selenium and compounds as Se	7782-49-2	MCE	1 - 4	250 - 1000	ICP	NIOSH 7301	5		36
Semivolatile Organic Scan TO15		1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	EPA TO-15 Heated	0.5 ppb	G	350
		0.050 Liter Silonite Coated Canister		5 seconds - 8 hours	GC/MS	See TO-15 Scan pg 12	10 ppb	G	350
See pg. 14 for more details. Heated methods require specialized flow controllers.									
Sevoflurane	28523-86-6	Anasorb 747 (SKC 226-81A)	0.05	3 - 12	GC/FID	OSHA 106	8	R, D7	77
		PM (SKC 575-002)	---	15 - 480 minutes	GC/FID	OSHA 106	12	R, D7	77
Silica, amorphous		Bulk		Submit approx. 1 gram	PLM	EHL 5160	1%		120
		PVC-PW	1 - 4	>500	XRD	NIOSH 7501	10		83
Silica, free crystalline, bulk		Submit approx. 1 tbsp.			XRD	NIOSH 7500	0.01		120

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
Silica, free crystalline, respirable		PVC-PW w/37mm aluminum cyclone	2.5^^	≥400	XRD	NIOSH 7500	5		83
		PVC-PW w/10mm nylon cyclone	1.7^^	≥400	XRD	NIOSH 7500	5		83
		^^Note: other cyclones may require different flow rates, see manufacturer's specifications.							
Silica, free crystalline, total		PVC-PW	1 - 4	≥400	XRD	NIOSH 7500	5		83
Silver, metal & soluble compounds (as Ag)	7440-22-4	MCE	2 - 4	600 - 2000	ICP	NIOSH 7300	3	C	36
		Please Note: Ag requires a special digestion and must be sampled separately if Antimony or Tin are also being requested.							
Sodium Hydroxide	1310-73-2	PTFE	1 - 2	30 - 1000	ICP	OSHA 121	2		36
		MCE	1 - 2	100 - 1000	ICP	OSHA 121	10		36
		See also Cation Scan on pg. 10.							
Stoddard Solvent	8052-41-3	CT (SKC 226-01)	0.01 - 0.2	1.3 - 20	GC/FID	NIOSH 1550	25	D1	70
Strontium	7440-24-6	MCE	2 - 4	500 - 2000	ICP	NIOSH 7301	0.075		36
Styrene	100-42-5	Catechol Tr. CT (SKC 226-73)	0.05	12	GC/FID	OSHA 89	4	D1	55
		3M OVM or PM	Passive	240	GC/FID	OSHA 1014	4		55
		See also Volatile Organic Scan on pg. 11 and TO-14 and TO-15 Scans on pg. 12.							
Succinic Acid	110-15-6	P-SGT (SKC 226-10-03)	0.05 - 0.2	12 - 24	IC	EHL 4130	30		64
Succinic Anhydride	108-30-5	p-Anisidine Tr. XAD-2 (SKC 226-30-07) + untreated XAD-2 (SKC 226-30)	0.1	20 - 100	HPLC/UV	OSHA 25	0.5	F,R	88
Sulfamic Acid	5329-14-6	MCE	1 - 2	30 - 480	IC	EHL 4000	3	T-1	64
Sulfite	7757-83-7	MCE	0.5 - 1.5	4 - 200	IC	NIOSH 6004	1.5		64
Sulfur	7704-34-9	MCE	1 - 4	30 - 1000	ICP	NIOSH 7301	15		36
Sulfur Compound Scan TO15		1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	EPA TO-15	0.5 ppb	G	300
		1.4 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	EPA TO-15	0.5 ppb	G	300
		6.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	EPA TO-15	0.5 ppb	G	300
		0.050 Liter Silonite Coated Canister		5 seconds - 8 hours	GC/MS	EPA TO-15	10 ppb	G	300
		See pg. 13 for more details.							

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
Sulfur Dioxide	7446-09-5	MCE/Na2CO3 Tr. Cellulose	0.5 - 1.5	4 - 200	IC	NIOSH 6004	1		64
The front MCE collects particulate Sulfate and the treated backup pad collects the Sulfur Dioxide. Total particulate Sulfate can be analyzed for an additional charge.									
Sulfuric Acid	7664-93-9	MCE	1 - 2	30 - 480	IC	OSHA 113	3.1	T-1	64
		P-SGT (SKC 226-10-03)	0.2	30 - 100	IC	OSHA 165 SG	3.1	Y	64
See also Acid Scan on pg. 10.									
Talc (Asbestos Fibers)	14807-96-6	MCE 25 mm, 3-pc. open faced	0.5 - 16	200 - varies	PCM	NIOSH 7400	0.03 fibers/field	H	35
Talc (Non-Asbestos)	14807-96-6	PVC-PW	1 - 4	120 - 1200	Gravimetric	NIOSH 0500	20		27
Tellurium	13494-80-9	MCE	1 - 4	100 - 1000	ICP	NIOSH 7301	1		36
Terphenyls (o-, m-, & p- isomers)	26140-60-3	PTFE	1 - 3	5 - 30	GC/FID	NIOSH 5021	5	T-1,D1	55
a-Terpineol	98-55-5	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Cannabis Odor Scan pg 13	0.25 ppb	G	350
1,1,1,2-Tetrachloroethane	630-20-6	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See TO-15 Scan pg 12	0.5 ppb	G	275
1,1,2,2-Tetrachloroethane	79-34-5	Anasorb 747 (SKC 226-81A)	0.01 - 0.2	3 - 30	GC/FID	NIOSH 1019	5	D1	55
See also Volatile Organic Scan on pg. 11 and TO-14 and TO-15 Scans on pg. 12.									
Tetrachloroethylene	127-18-4	CT (SKC 226-01)	0.01 - 0.2	0.2 - 40	GC/FID	NIOSH 1003	8	D1	55
See also Volatile Organic Scan on pg. 11 and TO-14 and TO-15 Scans on pg. 12.									
Tetradecane	629-59-4	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
Tetraethylene Glycol	112-60-7	OVS-7 (SKC 226-57)	0.5 - 2.0	15 - 60	GC/FID	NIOSH 5523	100	R,D11	55
Tetraethylenepentamine	112-57-2	NITC Tr. XAD-2 (SKC 226-30-18)	0.1	1.5 - 12	HPLC/UV	OSHA 60	5		88
1,1,1,2-Tetrafluoroethane	811-97-2	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See TO-15 Scan pg 12	0.5 ppb	G	275
Tetrahydrofuran	109-99-9	CT (SKC 226-01)	0.01 - 0.2	1 - 9	GC/FID	NIOSH 1609	5	D1	55
See also Volatile Organic Scan on pg. 11 and TO-15 Scan on pg. 12.									
Tetrahydrothiophene	110-01-1	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See Sulfur Compound Scan pg 13	0.5 ppb	G	300

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
Thallium	7440-28-0	MCE	2 - 4	500 - 2000	ICP	NIOSH 7301	5		36
Thiophene	110-02-1	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See Sulfur Compound Scan pg 13	0.5 ppb	G	300
Thiram	137-26-8	PTFE	1 - 4	10 - 400	HPLC/UV	NIOSH 5005	10		88
Tin (inorganic compounds except oxides)	7440-31-5	MCE	1 - 4	30 - 1000	ICP	NIOSH 7301	5		36
		See also Metal Scans on pg. 10. Note: If choosing metal scans, the ghost wipe will elevate the Zinc RL to 200 ug.							
Tin (organic compounds)		GF + XAD-2 (SKC 226-30)	1 - 1.5	50 - 500	HPLC/UV	NIOSH 5504	0.5	C,S,R	---
Titanium	7440-32-6	MCE	1 - 4	30 - 1000	ICP	NIOSH 7301	2		36
Titanium Dioxide	13463-67-7	PVC-PW	1 - 4	120 - 1200	Gravimetric	NIOSH 0500	20		27
		MCE	1 - 4	15 - 1000	ICP	OSHA 121	3.4	S	50
TO-14 Scan		1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	EPA TO-14	0.5 - 1 ppb	G	225
		1.4 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	EPA TO-14	0.5 - 1 ppb	G	225
		6.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	EPA TO-14	0.5 - 1 ppb	G	225
		0.050 Liter Silonite Coated Canister		5 seconds - 8 hours	GC/MS	EPA TO-14	10 - 20 ppb	G	225
		See pg. 12 for more details.							
TO-15 Scan		1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	EPA TO-15	0.5 - 10 ppb	G	275
		1.4 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	EPA TO-15	0.5 - 10 ppb	G	275
		6.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	EPA TO-15	0.5 - 10 ppb	G	275
		0.050 Liter Silonite Coated Canister		5 seconds - 8 hours	GC/MS	EPA TO-15	10 - 200ppb	G	275
		See pg. 10 for more details.2							
Tolualdehyde (o-, m-, & p- isomers)		DNPH Tr. SGT (SKC 226-119) followed by a small CT (SKC 226-01)	0.1 - 1	5 - 120	HPLC/UV	EPA TO-11	2	A,R	78
		DNPH Tr. Badge (Assay N571-AT)	Passive	>240 minutes	HPLC/UV	EPA TO-11	2	R	78
		See also Aldehyde Scan TO-11 pg. 9 and TO-15 pg. 13.							

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
m-Tolualdehyde	620-23-5	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See Aldehyde Scan TO15 pg 13	0.5 ppb	G	300
o-Tolualdehyde	529-20-4	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See Aldehyde Scan TO15 pg 13	0.5 ppb	G	300
p-Tolualdehyde	104-87-0	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See Aldehyde Scan TO15 pg 13	0.5 ppb	G	300
Toluene	108-88-3	CT (SKC 226-01)	0.01 - 0.2	1 - 8	GC/FID	NIOSH 1501	5	D1	55
		See also Volatile Organic Scan on pg. 11 and TO-14 and TO-15 Scans on pg. 12.							
Toluene-2,4-diisocyanate	584-84-9	GFZ, open-faced	1	15 - 60	HPLC/UV/FL	OSHA 42	0.1	T-4,R	88
		Analysis can also include oligomers on request. See also Isocyanate Scan on pg. 9.							
Toluene-2,6-diisocyanate	91-08-7	GFZ, open-faced	1	15 - 60	HPLC/UV/FL	OSHA 42	0.1	T-4,R	88
		Analysis can also include oligomers on request. See also Isocyanate Scan on pg. 9.							
o-Toluidine	95-53-4	GSA	1	15-480	HPLC/UV	NIOSH 2017	1	R	88
		GSA and SGT (SKC 226-10) in series	0.2	5-50	GC/FID	NIOSH 2017	10	Y,D11	88
p-Toluidine	106-49-0	GSA and SGT (SKC 226-10) in series	0.2	5-50	GC/FID	NIOSH 2017	10	S,Y,D11	88
Total Hydrocarbons		CT (SKC 226-01)	0.01 - 0.2	5 - 30	GC/FID	NIOSH 1500	5	C,D1	70
Tributyl Phosphate	126-73-8	MCE	1 - 3	2 - 100	GC/FPD	NIOSH 5034	0.5		---
		As per NIOSH, if ambient temperature is above 23 °C, use two filter cassettes connected in series with a short piece of flexible tubing. After sampling, separate the 2 filters, insert the plugs and label the front and back (F/B) cassettes.							
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	CT (SKC 226-01)	0.01 - 0.05	0.1 - 3	GC/FID	NIOSH 1020	8	R,D1	55
		See also TO-14 and TO-15 Scans on pg. 12.							
Trichloroacetic Acid	76-03-9	P-SGT (SKC 226-10-03)	0.2	10 - 50	HPLC/UV	OSHA PV2017	20	Y	88
1,2,3-Trichlorobenzene	87-61-6	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See TO-15 Scan pg 12	0.5 ppb	G	275
1,2,4-Trichlorobenzene	120-82-1	13mm PTFE & Amberlite XAD-2 (SKC 226-30)	0.01 - 0.2	3 - 12	GC/ECD	NIOSH 5517	0.005	D13	88
		See also TO-14/TO-15 Scans on pg. 12 and Semivolatile Organic Compound Scan on pg. 14.							

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
1,1,1-Trichloroethane	71-55-6	CT (SKC 226-01)	0.01 - 0.2	0.1 - 8	GC/FID	NIOSH 1003	8	D1	55
		See also Volatile Organic Scan on pg. 11 and TO-14 and TO-15 Scans on pg. 12.							
1,1,2-Trichloroethane	79-00-5	CT (SKC 226-01)	0.01 - 0.2	2 - 60	GC/FID	NIOSH 1003	8	D1	55
		See also Volatile Organic Scan on pg. 11 and TO-14 and TO-15 Scans on pg. 12.							
Trichloroethylene	79-01-6	CT (SKC 226-01)	0.01 - 0.2	1 - 30	GC/FID	NIOSH 1022	8	D1	55
		See also Volatile Organic Scan on pg. 11 and TO-14 and TO-15 Scans on pg. 12.							
Trichlorofluoromethane	75-69-4	1.4 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See TO-14 Scan pg 12	0.5 ppb	G	225
		See also TO-14 and TO-15 Scans on pg. 12.							
2,4,5-Trichlorophenol	95-95-4	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
2,4,6-Trichlorophenol	88-06-2	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
Tridecane	629-50-5	1.4 Liter Silonite Coated Canister		30 seconds - 1 hour	GC/MS	See Semivolatile Organic Scan pg 14	0.5 ppb	G	350
Triethanolamine	102-71-6	GF	1	120	GC/FID	OSHA PV2141	100	D26	88
Triethylamine	121-44-8	SGT (SKC 226-10)	0.01 - 1	3 - 30	GC/NPD	NIOSH 2010	1	R,S,Y	---
Triethylene Glycol	112-27-6	OVS-7 (SKC 226-57)	0.5 - 2.0	15 - 60	GC/FID	NIOSH 5523	100	R,D11	55
Triethylenediamine	280-57-9	XAD-2 (SKC 226-30)	0.1 - 0.2	10 - 20	GC/NPD	MOBAY CIHL 2.10.1	0.5	D41	90
Triethylenetetramine	112-24-3	NITC Tr. XAD-2 (SKC 226-30-18)	0.1	1.5 - 12	HPLC/UV	OSHA 60	1.0		88
1,3,5-Triglycidyl Isocyanurate	2451-62-9	PTFE	1	60	HPLC/UV	EHL 1000	1		88
Trimellitic Anhydride	552-30-7	GVA (SKC 225-9010)	2	480	HPLC/UV	OSHA 98	0.5	C,R	88
Trimethylamine	75-50-3	SGT (SKC 226-10)	0.01 - 1	30	GC/NPD	NIOSH 2010	2	R,S,Y	---
1,2,3-Trimethylbenzene	526-73-8	CT (SKC 226-01)	0.05 - 0.1	10	GC/FID	OSHA PV2091	5	D1	55
		See also Volatile Organic Scan on pg. 11 and TO-15 Scan on pg. 12.							
1,2,4-Trimethylbenzene	95-63-6	CT (SKC 226-01)	0.05 - 0.1	10	GC/FID	OSHA PV2091	5	D1	55
		See also Volatile Organic Scan on pg. 11 and TO-14 and TO-15 Scans on pg. 12.							

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
1,3,5-Trimethylbenzene	108-67-8	CT (SKC 226-01)	0.05 - 0.1	10	GC/FID	OSHA PV2091	5	D1	55
		See also Volatile Organic Scan on pg. 11 and TO-14 and TO-15 Scans on pg. 12.							
Trimethylbenzenes	25551-13-7	CT (SKC 226-01)	0.05 - 0.1	10	GC/FID	OSHA PV2091	5	D1	55
		See also individual isomers (1,2,3-trimethylbenzene, 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene) for GCMS analysis.							
Trimethylolpropane Triacrylate	15625-89-5	XAD-7 (SKC 226-95)	0.2 (max)	24 (max)	HPLC/UV	EHL 1000	5		88
Triorthocresyl Phosphate	78-30-8	MCE	1 - 3	2 - 100	GC/MS	NIOSH S209M	2	C	---
Triphenyl Phosphate	115-86-6	MCE	1 - 3	10 - 400	GC/FPD	NIOSH 5038	0.5	C,S	---
		As per NIOSH, if ambient temperature is above 23 °C, use two filter cassettes connected in series with a short piece of flexible tubing. After sampling, separate the 2 filters, insert the plugs and label the front and back (F/B) cassettes.							
Tungsten	7440-33-7	MCE	1 - 4	50 - 1000	ICP	OSHA 213	12.5	S	50
		PVC-PW	1 - 4	120 - 1200	Gravimetric	NIOSH 0500	20		27
Tungsten (Soluble)	7440-33-7	MCE	1 - 4	200 - 1000	ICP	OSHA 213	12.5	S	50
Tungsten (Total)	7440-33-7	PVC-PW	1 - 4	120 - 1200	Gravimetric	NIOSH 0500	20		26
Turpentine	8006-64-2	CT (SKC 226-01)	0.01 - 0.2	1 - 10	GC/FID	NIOSH 1551	25	D1	70
Undecane	1120-21-4	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See TO-15 Scan pg 12	0.5 ppb	G	275
Valeraldehyde	110-62-3	DNPH Tr. SGT (SKC 226-119) followed by a small CT (SKC 226-01)	0.1 - 1	5 - 120	HPLC/UV	EPA TO-11	0.5	A,R	78
		DNPH Tr. Badge (Assay N571-AT)	Passive	>240 minutes	HPLC/UV	EPA TO-11	0.5	R	78
		See also Aldehyde Scan TO-11 pg. 9 and TO-15 pg. 13.							
Valeric Acid	109-52-4	5 um PTFE (25mm) + P-SGT (SKC 226-10-03)	0.05 - 0.2	6 - 24	IC	EHL 4120	3		126
		See also Organic Acid Scan on pg. 10.							
Vanadium	7440-62-2	MCE	1 - 4	300 - 1000	ICP	NIOSH 7301	1.5		36
		Ghost Wipe or Kim Wipe			ICP	OSHA 125G	1.5		36
		Bulk		1 gram	ICP	OSHA 125G	0.015%		45
		See also Metal Scans on pg. 10. Note: If choosing metal scans, the ghost wipe will elevate the Zinc RL to 200 ug.							

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
Vinyl Acetate	108-05-4	Anasorb 747 (SKC 226-81A) or Orbo 92	0.1 - 0.2	3 - 24	GC/FID	OSHA 51	5	R,D1	55
		Drierite Tube (SKC 226-68) + CT (SKC 226-01)	1	90	GC/FID	Union Carbide 127	5	R,D1	55
		See also TO-15 Scan on pg. 12.							
Vinyl Bromide	593-60-2	1.0 Liter Silonite Coated Canister		30 seconds - 7 days	GC/MS	See TO-15 Scan pg 12	0.5 ppb	G	275
Vinyl Chloride	75-01-4	CT (SKC 226-01) 2 in series	0.05	0.7 - 5	GC/FID	NIOSH 1007	5	S,R,D1	77
		Orbo 91	0.05	3	GC/FID	OSHA 75	5	S,R,D2	77
		See also TO-14 and TO-15 Scans on pg. 12.							
Vinyl Toluene	25013-15-4	CT (SKC 226-01)	0.01 - 0.2	1 - 24	GC/FID	NIOSH 1501	5	D1	55
n-Vinyl-2-pyrrolidone	88-12-0	CT (SKC 226-01)	0.2	48	GC/FID	OSHA PV2106	5	D42	55
Vinylidene Chloride	75-35-4	CT (SKC 226-01)	0.01 - 0.2	2.5 - 7	GC/FID	NIOSH 1015	6	D1	55
		See also 1,1-Dichloroethane for GC/MS analysis of Vinylidene Chloride							
Volatile Organic Scan MDHS 104		CT (SKC 226-01)	0.05 - 0.2	10 - 50 Liters	GC/MS	MDHS 104	2 - 20	G	200
		3M OVM or PM	Passive	15 minutes (minimum)	GC/MS	MDHS 104	3 - 30	G	200
		See pg. 11 for more details.							
Warfarin	81-81-2	25mm 1 um PTFE	2	30-960	HPLC/UV	NAT2001-01136	0.1	C	--
Welding Fumes (as Particulate)		MWAA	1 - 4	400 - 2000	Gravimetric	NIOSH 0500	10		31
m-Xylene a,a'-Diamine	1477-55-0	GSA	1	15 - 100	HPLC/UV	OSHA 105	1		88
Xylenes	1330-20-7	CT (SKC 226-01)	0.01 - 0.2	2 - 23	GC/FID	NIOSH 1501	5	D1	55
		See also Volatile Organic Scan on pg. 11 and TO-14 and TO-15 Scans on pg. 12.							
Yttrium	7440-65-5	MCE	1 - 4	30 - 1000	ICP	NIOSH 7301	2		36
Zinc Chloride Fume	7646-85-7	MCE	1 - 4	30 - 1000	ICP	NIOSH 7301	1.6		36

The prices listed above are based on the first component (see pg. 5)

Analyte Name	CAS	Sampling Media	Flow Rate (L/min)	Min/Max Air Vol. (Liters)	Analytical Method	Reference Method	Reporting Limit (ug)	Notes (pgs, 6-7)	Price $
Zinc Oxide	1314-13-2	MCE	1 - 4	30 - 1000	ICP	NIOSH 7301	0.75		36
		Kim Wipe			ICP	OSHA 125G	30		36
		Bulk		1 gram	ICP	OSHA 125G	0.0075%		45
		Ghost Wipe			ICP	OSHA 125G	200		36
		See also Metal Scans on pg. 10. Note: If choosing metal scans, the ghost wipe will elevate the Zinc RL to 200 ug.							
Zirconium Compounds(as Zr)	7440-67-7	MCE	1 - 4	30 - 1000	ICP	NIOSH 7301	1.5		36

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