



Analyzing the World™

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Industrial Hygiene

Reference Guide

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ISO/IEC 17025:2017 Certified Laboratory

Sampling Compatibility Codes

SLGi provides these codes to help determine whether or not analytes can be sampled on the same collection media. If the compatibility code letters match, the analytes may be sampled together. If the compatibility codes do not match, a separate tube/cassette must be used.

The applicable desorption/extraction solvents identified by compatibility codes are listed here for your information.

- A. Carbon disulfide
- B. Benzene
- C. Methanol
- D. Toluene
- E. Carbon disulfide + 5% 2-propanol
- F. Nitric acid
- G. Ethanol
- H. Carbon disulfide + 1% 2-propanol alcohol
- I. Methylene chloride + 5% methanol
- J. Carbon disulfide + 1% methanol
- K. 0.5 N Sulfuric acid
- L. 1N Sulfuric acid
- M. Carbon disulfide + 1% 2-butanol
- N. Acetonitrile/Dimethyl sulfoxide
- O. Sodium thiosulfate
- P. Carbon disulfide: XAD-2
- Q. Methanol: XAD-7
- R. Acetonitrile
- S. Acetonitrile - carbonyl free



Industrial Hygiene Tests by Profile

Aldehyde Profile

Acetaldehyde	Benzaldehyde	Crotonaldehyde	
Acrolein	Butyraldehyde	Formaldehyde	

Collection media:	Coated Silica Gel Tube (226-119)
Method:	NIOSH 2016M
Flow rate (LPM):	0.05-0.5
Volume (Liters):	1-30
Analytical Technique:	HPLC/UV

Aromatic Hydrocarbon Profile

α -Methylstyrene	Cumene	Para-tert-Butyl Toluene	Vinyl Chloride
β -Methylstyrene	Ethyl Benzene	Styrene	M, P-Xylene
Benzene	Naphthalene	Toluene	O-Xylene

Collection media:	CT, POVM(226-01/3M 3500 Badge)
Method:	NIOSH 1501M
Flow rate (LPM):	0.1-0.5
Volume (Liters):	10
Analytical Technique:	GC/FID

BTEX Profile

Benzene	Ethyl Benzene	M, P-Xylene	O-Xylene
Toluene			

Collection media:	CT or POVM(226-01/3M Badge)
Method:	NIOSH 1501
Flow rate (LPM):	0.05-1.2
Volume (Liters):	5-15
Analytical Technique:	GC/FID

California-17

Antimony	Chromium	Molybdenum	Vanadium
Arsenic	Cobalt	Nickel	Zinc
Barium	Copper	Selenium	
Beryllium	Lead	Silver	
Cadmium	Mercury	Thallium	

Collection media:	37mm 0.8 μ MCE
Method:	NIOSH 7300
Flow rate (LPM):	1.0-4.0
Volume (Liters):	200-2000
Analytical Technique:	ICP

Chlorinated Pesticide Profile

Aldrin	γ -Chlordane	Endosulfan I	Heptachlor Epoxide
α -BHC	4,4-DDD	Endosulfan II	Methoxychlor
β -BHC	4,4-DDE	Endosulfan Sulfate	
γ -BHC (Lindane)	4,4-DDT	Endrin	
α -Chlordane	Dieldrin	Heptachlor	

Collection media:	XAD-2 (OVS-2)
	SKC 226-30-16
Method:	OSHA 67M
Flow rate (LPM):	1
Volume (Liters):	60-1000
Analytical Technique:	GC-ECD

Coal Tar Pitch Volatiles

Anthracene	Chrysene	Phenanthrene	Pyrene
Benzo(a)pyrene			

Collection media:	GFF (225-7)
Method:	OSHA 58
Flow rate (LPM):	2
Volume (Liters):	960
Analytical Technique:	GRAV/HPLC

Transfer filters to glass vials after sampling and wrap with aluminum foil to protect from light.

Ship samples refrigerated by overnight delivery.

Note: HPLC is recommended for coal tar pitch volatiles that exceed 0.2 mg/m³.

Diisocyanate Profile

Hexamethylene Diisocyanate (HDI)	Toluene-2,4- Diisocyanate (2,4-TDI)
Methylene Bisphenyl-Isocyanate (MDI)	Toluene-2,6- Diisocyanate (2,6-TDI)

Collection media:	Coated GFF (225-9002)
Method:	OSHA 42 & 47
Flow rate (LPM):	0.2-1.0
Volume (Liters):	15-30
Analytical Technique:	HPLC/UV

Ship samples refrigerated by overnight delivery.
Sample open faced.

Full ICP Metals

Antimony	Cadmium	Manganese	Thallium
Aluminum	Chromium	Molybdenum	Tin
Arsenic	Cobalt	Nickel	Titanium
Barium	Copper	Potassium	Vanadium
Beryllium	Iron	Selenium	Zinc
Boron	Lead	Silver	
Calcium	Magnesium	Sodium	

Collection media:	37mm 0.8 μ MCE
Method:	NIOSH 7300
Flow rate (LPM):	1.0-4.0
Volume (Liters):	200-2000
Analytical Technique:	ICP

Hydrocarbons Profile

Cyclohexane	n-Dodecane	Methylcyclohexane	n-Pentane
Cyclohexene	n-Heptane	n-Nonane	n-Undecane
n-Decane	n-Hexane	n-Octane	

Collection media:	Solid Sorbent Tube (Coconut shell charcoal, 100mg/50 mg)(226-01)
Method:	NIOSH 1500
Flow rate (LPM):	Varies
Volume (Liters):	Varies
Analytical Technique:	GC/FID

Inorganic Acid Profile

Hydrobromic Acid	Hydrofluoric Acid	Phosphoric Acid	Sulfuric Acid
Hydrochloric Acid	Nitric Acid		

Collection media:	Large silica gel tube precleaned
Method:	NIOSH 7903
Flow rate (LPM):	0.2-0.4
Volume (Liters):	100
Analytical Technique:	IC

Organic Solvent Profile

Acetone	Ethylbenzene	Methylene chloride	Trichloroethylene
Benzene	Heptane	Octane	1,1,1-Trichloroethane
Carbon tetrachloride	Hexane	Styrene	1,1,2-Trichloroethane
Chlorobenzene	Methyl isobutyl ketone	Tetrachloroethylene	m,p-Xylene
1,2-Dichloroethane	MEK(2-Butanone)	Toluene	o-Xylene

Collection media:	CT (226-01/3M 3500 Badge)
Method:	NIOSH 1501M
Flow rate (LPM):	0.2
Volume (Liters):	20
Analytical Technique:	GC/FID

Polynuclear Aromatic Hydrocarbons

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

Collection media:	PTFE Filter and washed XAD-2 (226-30-04)
Method:	NIOSH 5506
Flow rate (LPM):	2
Volume (Liters):	200-1000
Analytical Technique:	HPLC/UV & FL

Transfer filters to glass vials after sampling and wrap vials and tubes with aluminum foil to protect from light. Ship samples refrigerated by overnight delivery.

Priority Pollutants

Antimony	Cadmium	Lead	Selenium
Arsenic	Chromium	Mercury	Silver
Beryllium	Copper	Nickel	Thallium
Zinc			

Collection media:	37mm 0.8 μ MCE
Method:	NIOSH 7300
Flow rate (LPM):	1.0-4.0
Volume (Liters):	200-2000
Analytical Technique:	ICP

RCRA-8

Arsenic	Cadmium	Lead	Mercury
Barium	Chromium	Silver	Selenium

Collection media:	37mm 0.8 μ MCE
Method:	NIOSH 7300
Flow rate (LPM):	1.0-4.0
Volume (Liters):	200-2000
Analytical Technique:	ICP

Solder Operations Profile

Antimony	Cadmium	Lead	Tin
Beryllium	Copper	Silver	Zinc

Collection media:	37mm 0.8 μ MCE or wipe
Method:	NIOSH 7300
Flow rate (LPM):	1.0-4.0
Volume (Liters):	200-2000
Analytical Technique:	ICP

Target Analyte List

Antimony	Chromium	Manganese	Vanadium
Aluminum	Cobalt	Nickel	Zinc
Arsenic	Copper	Potassium	
Barium	Iron	Selenium	
Beryllium	Lead	Silver	
Calcium	Mercury	Sodium	
Cadmium	Magnesium	Thallium	

Collection media:	37mm 0.8 μ MCE
Method:	NIOSH 7300
Flow rate (LPM):	1.0-4.0
Volume (Liters):	200-2000
Analytical Technique:	ICP

Toxic Metals Profile

Arsenic	Beryllium	Cadmium	Chromium
Lead	Vanadium		

Collection media:	37mm 0.8 μ MCE
Method:	NIOSH 7300
Flow rate (LPM):	1.0-4.0
Volume (Liters):	200-2000
Analytical Technique:	ICP

Welding Fume Metals Profile

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

Collection media:	37mm 0.8 μ MCE
Method:	NIOSH 7300
Flow rate (LPM):	1.0-4.0
Volume (Liters):	200-2000
Analytical Technique:	ICP



Test Name	CAS Number	Collection Media	Method	Flow Rate (LPM)	Compatibility	Volume (Liters)	Analytical Technique	Profile/Notes
Acenaphthene	83-32-9	Teflon filter + XAD-2, 226-30-04	NIOSH 5506	2	R	1000	HPLC/UV	Transfer filters to small tubes; wrap sorbent and tubes in foil; ship cold
Acenaphthylene	208-96-8	Teflon filter + XAD-2, 226-30-04	NIOSH 5506	2	R	1000	HPLC/UV	Transfer filters to small tubes; wrap sorbent and tubes in foil; ship cold
Acetaldehyde	75-07-0	SGT (Tr), 226-119	NIOSH 2016M	0.2-1	S	2-30	HPLC/UV	Ship samples refrigerated by overnight delivery.
Acetic Acid	64-19-7	CT 226-01	NIOSH 1603	0.01-1		20-300	GC/FID	
Acetone	67-64-1	CT or POVM-B 226-01/3M Badge	NIOSH 1300	0.01-0.2	A	0.5-3	GC/FID	
Acetonitrile	75-05-8	Lg CT, 226-09	NIOSH 1606	0.01-0.2		3-25	GC/FID	Ship samples refrigerated by overnight delivery.
Acid Mist (Inorganic Acid Profile)	Various	Large SGT, pre-cleaned,	NIOSH 7903	0.2-034		100	IC	Hydrobromic Acid, Hydrofluoric Acid, Phosphoric Acid, Sulfuric Acid, Hydrochloric Acid and Nitric Acid
Acrylic Acid	79-10-7	Anasorb 708, 226-30-08, (2 in series)	OSHA 28	0.1		24	HPLC/UV	
Acrylonitrile	107-13-1	CT 226-01	NIOSH 1604	0.01-0.2		3.5 @ 2ppm-20	GC/FID	
Aldehyde Profile	Various	226-119 Treated SGT	NIOSH 2016M	0.05-0.5	S	1-30	HPLC/UV	See Industrial Hygiene Profiles for list of analytes; ship cold.
Allyl Alcohol	107-18-6	CT 226-01	NIOSH 1402	0.01-0.2	E	1-10	GC/FID	
Allyl Chloride	107-05-1	CT 226-01	NIOSH 1000	0.01-1		16-100	GC/FID	
Allyl Glycidyl Ether	106-92-3	Tenax, 226-35-03	NIOSH 2545	0.01-0.2		1.5 @ 5 ppm-8	GC/FID	
Aluminum	N/A	37 mm 0.8 μ MCE	NIOSH 7300M	1-4	F	5-100	ICP	

Test Name		CAS Number	Collection Media	Method	Flow Rate (LPM)	Compatibility	Volume (Liters)	Analytical Technique	Profile/Notes
	Aluminum	N/A	37 mm 0.8 µ MCE	OSHA ID 125G	2	F	10-480	ICP	
2-	Aminoethanol	141-43-5	(Tr) XAD-2, 226-30-18	OSHA PV2111	0.1		10	HPLC/UV	
	Ammonia	7664-41-7	SGT (Tr), 226-10-06	NIOSH 6016M	0.1-0.5		0.1 @ 50 ppm - 96	IC	Subcontract
	Ammonia	7664-41-7	Anasorb 747 (Tr), 226-29	OSHA ID 188M	0.2		3	IC	Subcontract
n-	Amyl Acetate	628-63-7	CT or POVM	NIOSH 1450	0.01-0.2	A	1-10	GC/FID	Ship samples refrigerated by overnight delivery.
	Aniline	62-53-3	SGT, 226-10	NIOSH 2002	0.02-0.2	G	5-30	GC/FID	Amines, Aromatic
	Anthracene	120-12-7	Cassette & Tubes, SKC 225-1713 & SKC 226-30-04	NIOSH 5506	2	R	1000	HPLC/UV	Transfer filters to small tubes; wrap sorbent and tubes in foil; ship cold
	Antimony	N/A	37 mm 0.8 µ MCE	NIOSH 7300M	1-4	F	5-100	ICP	
	Antimony	N/A	37 mm 0.8 µ MCE	OSHA ID 125G	2	F	10-480	ICP	
	Aromatic Hydrocarbon Profile (AHP)	Various	CT, POVM	NIOSH 1501M	0.1-0.5	A	10	GC/FID	See Industrial Hygiene Profiles for list of analytes and information.
	Arsenic	N/A	37 mm 0.8 µ MCE	OSHA ID 105	2	F	50-480	GFAA	
	Arsenic	N/A	37 mm 0.8 µ MCE	NIOSH 7300M	1-4	F	100-480	ICP	
	Arsenic	N/A	37 mm 0.8 µ MCE	OSHA ID 125G	2	F	100-480	ICP	
	Arsenic Trioxide	1327-53-3	Na ₂ CO ₃ -impregnated, 0.8-um MCE + backup pad, 225-3-010	NIOSH 7901	1-3	F	30-1000	GFAA	Analyze for Arsenic and then report the oxide.
	Arsine	7784-42-1	CT 226-01	NIOSH 6001	20		10	GFAA	
	Asbestos (Airborne TEM)	Various	25 mm 0.45 µ MCE	40 CFR 763 (AHERA)	4-10	-	1200	TEM	Subcontract
	Asbestos (Airborne TEM)	Various	25 mm 0.8 µ MCE	NIOSH 7402	0.5-16	-	400	TEM	Subcontract
	Asbestos Fiber Count (Air)	N/A	37 mm or 25 mm 0.8 µ MCE	NIOSH 7400	0.5-16	-	400	PCM	

Test Name		CAS Number	Collection Media	Method	Flow Rate (LPM)	Compatibility	Volume (Liters)	Analytical Technique	Profile/Notes
	Asphalt Fume	None	37-mm 2.0 µm PTFE	NIOSH 5042	1.0-4.0	-	28-400	GRAV	
	Barium	N/A	37 mm 0.8 µ MCE	NIOSH 7300M	1-4	F	50-2,000	ICP	
	Benz[a]anthracene	56-55-3	Teflon filter + XAD-2, 226-30-04	NIOSH 5506	2	R	1000	HPLC/UV	Transfer filters to small tubes; wrap sorbent and tubes in foil; ship cold
	Benzaldehyde	100-52-7	SGT (Tr), 226-119	NIOSH 2016M	0.05-0.5	S	1 @ 0.2ppm-30	HPLC/UV	Ship samples refrigerated by overnight delivery.
	Benzene	71-43-2	CT 226-01	NIOSH 1501	0.2	A	5-30	GC/FID	
	Benzene Soluble Fraction Total Particulate (asphalt fume)	None	37-mm 2.0 µm PTFE	NIOSH 5042	1.5-2		28-700	GRAV	
	Benzene Soluble Fraction (Coal Pitch Volatiles)	Various	GFF, 225-7	OSHA 58	2		960	GRAV	Place into vial after sampling and wrap vial with aluminum foil to protect from light.
	Benzo[a]pyrene	50-32-8	226-30-04	NIOSH 5506	2	R	1000	HPLC/UV	Transfer filters to small tubes; wrap sorbent and tubes in foil; ship cold
	Benzo[b]fluoranthene	205-99-2	Teflon filter + XAD-2, 226-30-04	NIOSH 5506	2	R	1000	HPLC/UV	Transfer filters to small tubes; wrap sorbent and tubes in foil; ship cold
	Benzo[g,h,i]perylene	191-24-2	Teflon filter + XAD-2, 226-30-04	NIOSH 5506	2	R	1000	HPLC/UV	Transfer filters to small tubes; wrap sorbent and tubes in foil; ship cold
	Benzo[k]fluoranthene	207-08-9	Teflon filter + XAD-2, 226-30-04	NIOSH 5506	2	R	1000	HPLC/UV	Transfer filters to small tubes; wrap sorbent and tubes in foil; ship cold
	Benzyl Chloride	100-44-7	CT 226-01	NIOSH 1003	0.01-0.2	A	6-50	GC/FID	
	Beryllium	N/A	37 mm 0.8 µ MCE	NIOSH 7102	1-4	F	25-1,000	GFAA	
	Beryllium	N/A	37 mm 0.8 µ MCE	NIOSH 7300M	1-4	F	200-1000	ICP	
	Beryllium	N/A	37 mm 0.8 µ MCE	OSHA ID 125G	2	F	200-1000	ICP	
	Biphenyl	92-52-4	Tenax, 226-35-01	NIOSH 2530	0.01-0.5		3-30	GC/FID	
	Biphenyl-Phenyl ether Mixture	Various	SGT, 226-10	NIOSH 2013	0.01-0.2		1 @ 1ppm-40	GC/FID	
	Bis(2-Ethylhexyl) Phthalate	117-81-7	0.8 um cellulose ester membrane, 225-3-01	NIOSH 5020	1-3		10-200	GC/FID	

Test Name		CAS Number	Collection Media	Method	Flow Rate (LPM)	Compatibility	Volume (Liters)	Analytical Technique	Profile/Notes
	Bisphenol A	80-05-7	Filter Cassette, 225-709	OSHA 1018	1		240	HPLC/UV	Ship samples refrigerated by overnight delivery.
	Boron	N/A	37 mm 0.8 µ MCE	NIOSH 7300M	1-4	F	200-1000	ICP	
	Bromide		Large precleaned SGT, 226-10-03	NIOSH 7903	0.2-0.5		3-100	IC	
	Bromine	7726-95-6	Prefilter+filter, 225-9006	NIOSH 6011	0.3-1	P	8-360	IC	Protect cassettes from light.
	Bromochloromethane	74-97-5	CT 226-01	NIOSH 1003	0.02	A	5	GC/FID	
	Bromoform	75-25-2	CT 226-01	NIOSH 1003	0.01-0.2	A	4-70	GC/FID	
	BTEX Profile	Various	CT 226-01	NIOSH 1501	0.05-1.2	A	5-15	GC/FID	See Industrial Hygiene Profiles for list of analytes and information.
1,3-	Butadiene	106-99-0	CT, 226-37	NIOSH 1024	0.02		10	GC/FID	
1,3-	Butadiene	106-99-0	CT, 226-73	OSHA 56	0.05		3	GC/FID	Ship samples refrigerated by overnight delivery.
2-	Butanol	78-92-2	CT 226-01	NIOSH 1401	0.01-0.2	H	2-10	GC/FID	
n-	Butanol	71-36-3	CT 226-01	NIOSH 1401	0.01-0.2	H	2-10	GC/FID	
t-	Butanol	75-65-0	CT 226-01	NIOSH 1400	0.01-0.2	M	1-10	GC/FID	
2-	Butoxyethanol	111-76-2	CT 226-01	NIOSH 1403	0.01-0.2	I	8-60	GC/FID	
2-	Butoxyethyl Acetate	112-07-2	CT 226-01	OSHA 83	0.01-0.2	I	1-10	GC/FID	Refrigerate upon receipt at lab
n-	Butyl Acetate	123-86-4	CT 226-01	NIOSH 1450	0.01-0.2		1-10	GC/FID	Ship samples refrigerated by overnight delivery.
	Butyl Cellosolve (2-Butoxyethanol)	111-76-2	CT 226-01	NIOSH 1403	0.01-0.05	I	2-10	GC/FID	
n-	Butyl Glycidyl Ether	2426-08-6	CT 226-01	NIOSH 1616	0.1-0.2		15-30	GC/FID	Refrigerate upon receipt at lab
p-tert-	Butyl Toluene	98-51-1	CT 226-01	NIOSH 1501	0.05-0.2	A	3-10	GC/FID	
n-	Butylamine	109-79-9	Sulfuric acid treated SGT 226-53	NIOSH 2012	0.01-1		2-100	GC/FID	

Test Name		CAS Number	Collection Media	Method	Flow Rate (LPM)	Compatibility	Volume (Liters)	Analytical Technique	Profile/Notes
	Butyraldehyde	123-72-8	(Tr) SGT, 226-119	NIOSH 2016M	0.1-2	S	Varies	HPLC/UV	Ship samples refrigerated by overnight delivery.
	Cadmium	N/A	37 mm 0.8 µ MCE	NIOSH 7300M	1-4	F	100-480	ICP	
	Cadmium	N/A	37 mm 0.8 µ MCE	OSHA ID 125G	2	F	100-480	ICP	
	Calcium	N/A	37 mm 0.8 µ MCE	NIOSH 7300M	1-4	F	5-200	ICP	
	Calcium	N/A	37 mm 0.8 µ MCE	OSHA ID 125G	2	F	10-480	ICP	
	California 17 Profile	N/A	37 mm 0.8 µ MCE	NIOSH 7300M	2	F	200-500	ICP	See Industrial Hygiene Profiles for list of analytes and information.
	Caprolactam (Air, Dust & Vapor)	105-60-2	XAD-7 OVS Tube, 226-57	OSHA PV2012	1		100	HPLC/UV	
	Carbon Black	1333-86-4	5µ PVC, pre-weighed, 225-806	NIOSH 5000	1.5-2		85-570	GRAV	Cassette requires stainless steel back up pad.
	Carbon Tetrachloride	56-23-5	CT or POVM	NIOSH 1003	0.01-0.2	A	3-150	GC/FID	
	Cellosolve acetate	111-15-9	CT	NIOSH 1450	0.01-0.2		1-10	GC/FID	Ship samples refrigerated by overnight delivery.
	Chlordane	57-74-9	XAD-2 OVS Tube, 226-30-16	OSHA 67	1	D	480	GC/ECD	
	Chlorethane	75-60-3	2 CT	NIOSH 2519	0.02-0.05		0.3-3	GC/FID	Separate front and back tubes prior to shipping back to lab.
	Chloride	7647-01-0	Large precleaned SGT, 226-10-03	NIOSH 7903	0.2-0.5		3-100	IC	
	Chlorinated Pesticide Profile	Various	XAD-2 (OVS-2) SKC 226-30-16	OSHA 67M	1	D	60-1000	GC/ECD	See Industrial Hygiene Profiles for list of analytes and information.
	Chlorine	7782-50-5	Pre-filter+filter (PTFE, 0.5µm + Ag membrane, 25 mm, 0.45 µm), 225-9006	NIOSH 6011	0.3-1	P	2-90	IC	Protect cassettes from light.
	Chlorobenzene	108-90-7	CT or POVM	NIOSH 1003	0.01-0.2	A	1.5-40	GC/FID	
	Chlorodifluoromethane	75-46-6	2 CT, 226-09, 226-01	NIOSH 1018M	0.01-0.05		1-4	GC/FID	
	Chloroform	67-66-3	CT or POVM	NIOSH 1003	0.01-0.2	A	0.5-8	GC/FID	

Test Name		CAS Number	Collection Media	Method	Flow Rate (LPM)	Compatibility	Volume (Liters)	Analytical Technique	Profile/Notes
	Chloroprene	126-99-8	CT	NIOSH 1002	0.01-0.1		1.5-8	GC/FID	
	Chromic Acid	18540-29-9	5 µ PVC, 225-806	NIOSH 7600	1-4	K	8-400	COLOR	Filter must be placed in a glass vial immediately after sampling.
	Chromium	N/A	37 mm 0.8 µ MCE	NIOSH 7300M	1-4	F	5-1,000	ICP	
	Chromium (Hexavalent) Insoluble	N/A	5 µ PVC, 225-806	NIOSH 7600	1-4	K	8-400	COLOR	Filter must be placed in a glass vial immediately after sampling.
	Chromium (Hexavalent) Soluble	N/A	5 µ PVC, 225-806	NIOSH 7600	1-4	K	8-400	COLOR	Filter must be placed in a glass vial immediately after sampling.
	Chrysene	218-01-9	226-30-04	NIOSH 5506	2	R	1000	HPLC/UV	Transfer filters to small tubes; wrap sorbent and tubes in foil; ship cold
	Coal Tar Naphtha	8030-03-6	CT	NIOSH 1550	0.01-0.2		20	GC/FID	
	Coal Tar Pitch Volatiles, Benzene Soluble Fraction	Various	GFF, 225-7	OSHA 58	2		960	GRAV	Place into vial after sampling and wrap vial with aluminum foil to protect from light.
	Coal Tar Pitch Volatiles Profile, PAH	Various	GFF, 225-7	OSHA 58	2		960	HPLC/UV & FL	Anthracene, Benzo(a)pyrene, Chrysene, Phenanthrene, and Pyrene
	Cobalt	N/A	37 mm 0.8 µ MCE	NIOSH 7300M	1-4	F	50-2000	ICP	
	Cobalt	N/A	37 mm 0.8 µ MCE	OSHA ID 125G	2	F	50-480	ICP	
	Coke Oven Emissions	Various	GFF, 225-7	OSHA 58	2		960	GRAV	Place into vial after sampling and wrap vial with aluminum foil to protect from light.
	Copper	N/A	37 mm 0.8 µ MCE	NIOSH 7300M	1-4	F	50-1,000	ICP	
	Copper	N/A	37 mm 0.8 µ MCE	OSHA ID 125G	2	F	50-480	ICP	
	Cresol	1319-77-3	XAD-7, 226-95	OSHA 32	0.1		24	HPLC/UV	
	Crotonaldehyde	123-73-9	(Tr) SGT, 226-119	NIOSH 2016M	0.05-0.5	S	1 @ 0.2ppm-30	HPLC/UV	Ship samples refrigerated by overnight delivery.
	Cumene	98-82-8	CT or POVM	NIOSH 1501	0.2	A	10-30	GC/FID	
	Cyclohexane	110-82-7	CT or POVM	NIOSH 1500	0.2	A	2.5-5	GC/FID	

Test Name		CAS Number	Collection Media	Method	Flow Rate (LPM)	Compatibility	Volume (Liters)	Analytical Technique	Profile/Notes
	Cyclohexanol	108-93-0	CT	NIOSH 1402	0.01-0.2	E	1-10	GC/FID	
	Cyclohexanone	108-94-1	CT or POVM	NIOSH 1300	0.01-0.2	A	1-10	GC/FID	
	Cyclohexene	110-82-7	CT or POVM	NIOSH 1500	0.2	A	5-7	GC/FID	
4,4'	DDD	72-54-8	XAD-2 OVS Tube, 226-30-16	OSHA 67M	1	D	60-1000	GC/ECD	
4,4'	DDE	72-55-9	XAD-2 OVS Tube, 226-30-16	OSHA 67M	1	D	60-1000	GC/ECD	
4,4'	DDT	50-29-3	XAD-2 OVS Tube, 226-30-16	OSHA 67M	1	D	60-1000	GC/ECD	
	Decane	124-18-5	CT	NIOSH 1500	0.02-200	A	4	GC/FID	
	Diacetone Alcohol	123-42-2	CT or POVM	NIOSH 1402	0.01-0.2	E	1-10	GC/FID	
	Dibenz[a,h]anthracene	53-70-3	Teflon filter + XAD-2, 226-30-04	NIOSH 5506	2	R	1000	HPLC/UV	Transfer filters to small tubes; wrap sorbent and tubes in foil; ship cold
	Dibutyl Phthalate	84-74-2	37 mm 0.8 µ MCE	NIOSH 5020	1-3		10-200	GC/FID	
1,2-	Dichlorobenzene	95-50-1	CT	NIOSH 1003	0.02	A	3	GC/FID	
1,3-	Dichlorobenzene	541-73-1	CT	NIOSH 1003	0.02	A	3	GC/FID	
1,4-	Dichlorobenzene	106-46-7	CT	NIOSH 1003	0.02	A	3	GC/FID	
1,1-	Dichloroethane	75-34-3	CT or POVM	NIOSH 1003	0.01-0.2	A	0.5-15	GC/FID	
1-2-	Dichloroethane (Ethylene Dichloride)	107-06-2	CT or POVM	NIOSH 1003	0.01-0.2	A	1-50	GC/FID	
	Diethanolamine	111-42-2	(Tr) XAD-2, 226-30-18	OSHA PV2018	0.1		10	HPLC/UV	
	Diethylamine	109-89-7	(Tr) XAD-7, 226-96	OSHA 41	0.2		10	HPLC/UV	Ship samples refrigerated by overnight delivery.
	Diethylene Glycol	111-46-6	XAD-7, 226-57	NIOSH 5523	1		60	GC/FID	
	Diethylene Glycol Monoethyl Ether	111-90-0	CT	OSHA PV2013	0.2		10	GC/FID	

Test Name		CAS Number	Collection Media	Method	Flow Rate (LPM)	Compatibility	Volume (Liters)	Analytical Technique	Profile/Notes
	Diethylenetriamine (DETA)	111-40-0	(Tr) XAD-2, 226-30-18	OSHA 60	0.1		10	HPLC/UV	
	Diisobutyl Ketone	108-83-8	CT or POVM	NIOSH 1300	0.01-0.2	A	1-10	GC/FID	
	Diisocyanate Profile	Various	GFF (Tr), 225-9002	OSHA 42 & 47	0.2-1.0 (Sample open faced)	N	15-30	HPLC/UV	HDI, MDI, 2,4-TDI, and 2,6-TDI
	Dimethylamine	124-40-3	XAD-7 (Tr), 226-96	OSHA 34	0.2		10	HPLC/UV	
1,2-	Dimethylcyclohexane	583-57-3	CT	NIOSH 1500	0.2	A	4	GC/FID	
	Dimethylformamide	68-12-2	SGT, 226-10	NIOSH 2004	0.01-1	C	15-80	GC/FID	
N,N-	Dimethyl-p-Toluidine	99-97-8	SGT, 226-10	NIOSH 2002	0.02-1.0		10	GC/FID	
	Dioxane	123-91-1	CT or POVM	NIOSH 1602	0.01-0.2	A	0.5-15	GC/FID	
	Diphenyl	92-52-4	Tenax, 226-35-01	NIOSH 2530	0.01-0.5		15 @0.2 ppm-30	GC/FID	
	Dipropylene Glycol Methyl Ether	34590-94-8	CT	OSHA 101	0.2	A	10	GC/FID	
	Dust, Respirable	Various	5 µ PVC, pre-weighed & cyclone	NIOSH 0600	1.7	-	75-1,000	GRAV	
	Dust, Total	Various	5 µ PVC, pre-weighed	NIOSH 0500	1.5-2	-	25-133	GRAV	
	Endrin	72-20-8	XAD-2 OVS Tube 226-30-16	OSHA 67M	0.5-1	D	60-1000	GC/ECD	
	Epichlorohydrin	106-89-8	CT	NIOSH 1010	0.01-0.2		2-30	GC/FID	
	Ethanolamine	141-43-5	(Tr) XAD-2, 226-30-18	OSHA PV2111	0.1		10	HPLC/UV	
2-	Ethoxyethanol	110-80-5	CT	NIOSH 1403	0.01-0.05	I	1-6	GC/FID	
2-	Ethoxyethyl Acetate	111-15-9	CT	NIOSH 1450	0.01-0.2		1-10	GC/FID	Ship samples refrigerated by overnight delivery.
	Ethyl 2-Cyanoacrylate	7085-85-0	XAD-7 (Tr), 226-98	OSHA 55	0.01-0.2		12	HPLC/UV	Ship samples refrigerated by overnight delivery.
	Ethyl Acetate	141-78-6	CT	NIOSH 1457	0.01-0.2		0.1-10	GC/FID	Ship samples refrigerated by overnight delivery.

Test Name		CAS Number	Collection Media	Method	Flow Rate (LPM)	Compatibility	Volume (Liters)	Analytical Technique	Profile/Notes
	Ethyl Acrylate	140-55-5	CT or POVM	NIOSH 1450	0.01-0.2	A	1-10	GC/FID	Ship samples refrigerated by overnight delivery.
	Ethyl Alcohol (Ethanol)	64-17-5	CT or POVM	NIOSH 1400	0.05	M	0.1-1	GC/FID	Ship samples refrigerated by overnight delivery.
	Ethyl Benzene	100-41-4	CT or POVM	NIOSH 1501	0.2	A	10-24	GC/FID	
	Ethyl Ether	60-29-7	CT or POVM	NIOSH 1610	0.01-0.2		0.25-3	GC/FID	
	Ethylamine	75-04-7	(Tr) XAD-7, 226-96	OSHA 36	0.2		10	HPLC/UV	
	Ethylcyclohexane	1678-91-7	CT	NIOSH 1500	0.2	A	4	GC/FID	
	Ethylene Glycol	107-21-11	XAD-7 OVS Tube, 226-57	NIOSH 5523	0.5-2		5-60	GC/FID	Ship samples refrigerated by overnight delivery.
	Ethylene Oxide	75-21-8	Pet CT (Tr), 226-38-03	OSHA 1010	0.1		24	GC/ECD	Ship samples refrigerated by overnight delivery.
	Ethylene Oxide (Passive Monitor)	75-21-8	3M Ethylene Oxide Monitors #3551	OSHA 1010	49.3 ml/min at 760 mm Hg and 25-C		15 ft/min	GC/ECD	Ship samples refrigerated by overnight delivery.
	Ethylenediamine (EDA)	107-15-3	(Tr) XAD-2, 226-30-18	OSHA 60	0.1		10	HPLC/UV	
	Fluoranthene	206-44-0	Teflon filter + XAD-2, 226-30-04	NIOSH 5506	2	R	1000	HPLC/UV	Transfer filters to small tubes; wrap sorbent and tubes in foil; ship cold
	Fluorene	86-73-7	Teflon filter + XAD-2, 226-30-04	NIOSH 5506	2	R	1000	HPLC/UV	Transfer filters to small tubes; wrap sorbent and tubes in foil; ship cold
	Fluorides, Gaseous	Various	(Tr) Cassette, 225-9001	NIOSH 7906	1-2		1-800	IC	Ship samples refrigerated by overnight delivery.
	Fluorides, Particulate (Particulate, Fluorides)		37 mm 0.8 µ Nitrocellulose Filter, 225-9001	NIOSH 7906	1-2		1-800	IC	Ship samples refrigerated by overnight delivery.
	Fluorides, Total	Various	(Tr) Cassette, 225-9001	NIOSH 7906	1-2		1-800	IC	Ship samples refrigerated by overnight delivery.
	Formaldehyde	50-00-0	XAD-2 10% 2HMP	NIOSH 2541	0.01-0.10		1-36	GC/FID	
	Formaldehyde	50-00-0	DNPH treated SGT, 226-119	NIOSH 2016	0.1-1.5	S	1 @ 0.3 mg/m ³ - 15 @ 2.5 mg/m ³	HPLC/UV	Ship samples refrigerated by overnight delivery.
	Formaldehyde	50-00-0	FPM - SKC UMEx Passive Sampler No. 500-100	NIOSH 2016M	0.0286	S	15	HPLC/UV	Collect formaldehyde in the 5 ppb to 5 ppm range, Ship overnight refrigerated

Test Name		CAS Number	Collection Media	Method	Flow Rate (LPM)	Compatibility	Volume (Liters)	Analytical Technique	Profile/Notes
	Formic Acid	64-18-6	PTFE membrane 225-2708 washed silica gel, 226-10-03	NIOSH 2011	0.05-0.2		1 @ 5 ppm - 24	IC	
	Full ICP Metals - 26 Metal	N/A	37 mm 0.8 µ MCE	NIOSH 7300M	2	F	200-500	ICP	See Industrial Hygiene Profiles for list of analytes and information.
	Furfural	98-01-1	XAD-2, 226-118	NIOSH 2529	0.02		1 @ 5 ppm - 5	GC/FID	
	Gasoline	8006-61-9	CT, 226-01	NIOSH 1550M	10	A	10	GC/FID	
	Glutaraldehyde	111-30-8	DNPH treated SGT, 226-119	NIOSH 2532	0.05-0.5		1 @ 0.2 - 30	HPLC/UV	
	Glutaraldehyde	111-30-8	GFF (Tr); 225-9003	OSHA 64	1		15	HPLC/UV	Cover with foil during sampling and ship samples refrigerated by overnight delivery.
	Glycidol	556-52-5	CT	NIOSH 1608	0.01-1		5-100	GC/FID	Ship samples refrigerated by overnight delivery.
	Gravimetric Weight Reduction (GWT)		TSP/PM-10	40 CFR50App B 40 CFR50App J					
	Heptachlor	1024-57-3	XAD-2 OVS Tube, 226-30-16	OSHA 67M	1	D	60-1000	GC/ECD	
	n- Heptane	142-82-5	CT or POVM	NIOSH 1500	0.2	A	4	GC/FID	
1,6-	Hexamethylene Diisocyanate (HDI)	822-06-0	GFF (Tr), 225-9002	OSHA 42	1	N	15	HPLC/UV	Sample open faced and ship samples refrigerated by overnight delivery.
	n- Hexane	110-54-3	CT or POVM	NIOSH 1500	0.2	A	4	GC/FID	
	2- Hexanone	591-78-6	CT or POVM	NIOSH 1300	0.01-0.2		1-10	GC/FID	
	Hydrobromic Acid	10035-10-6	(Tr)Quartz Filter Cassette, Quartz pre-filter 225-9032	NIOSH 7907	2		30-600	IC	
	Hydrocarbons Profile	Various	Solid Sorbent Tube (Coconut shell charcoal, 100 mg/50 mg)	NIOSH 1500	Varies	A	Varies	GC/FID	See Industrial Hygiene Profiles for list of analytes and information.
	Hydrochloric Acid	7647-01-0	(Tr)Quartz Filter Cassette, Quartz pre-filter 225-9032	NIOSH 7907	2		30-600	IC	
	Hydrofluoric Acid	7664-39-3	(Tr) Nitrocellulose Filter Cassette, 225-9031	NIOSH 7906	1-2		15-1000	IC	Ship samples refrigerated by overnight delivery.

Test Name		CAS Number	Collection Media	Method	Flow Rate (LPM)	Compatibility	Volume (Liters)	Analytical Technique	Profile/Notes
	Hydrogen Sulfide	7783-06-4	Filter + solid sorbent tube (ORBO 34)	NIOSH 6013	.1 - 1.5		1.2-40	IC	Method recommends 0.2 LPM
	Hydroquinone	123-31-9	37 mm 0.8 µ MCE	NIOSH 5004	1-4		30-180	HPLC/UV	Transfer filter to vial containing 1% acetic acid prior to shipping
	Indeno[1,2,3-cd]pyrene	193-39-5	Teflon filter + XAD-2, 226-30-04	NIOSH 5506	2	R	1000	HPLC/UV	Transfer filters to small tubes; wrap sorbent and tubes in foil; ship cold
	Inorganic Acid Profile	Various	Large Silica gel tube precleaned, 226-10-03	NIOSH 7903	0.2-0.4		100	IC	Hydrobromic Acid, Hydrofluoric Acid, Phosphoric Acid, Sulfuric Acid, Hydrochloric Acid and Nitric Acid
	Iodine	7553-56-2	CT (Tr), 226-67	NIOSH 6005	0.5-1		15-225	IC	
	Iron	N/A	37 mm 0.8 µ MCE	NIOSH 7300M	1-4	F	5-100	ICP	
	Iron	N/A	37 mm 0.8 µ MCE	OSHA ID 125G	2	F	10-480	ICP	
	Isoamyl Acetate	123-92-2	CT or POVM	NIOSH 1450	0.01-0.2	A	1-10	GC/FID	Ship samples refrigerated by overnight delivery.
	Isoamyl Alcohol	123-51-3	CT	NIOSH 1402	0.01-0.2	E	1-10	GC/FID	
	Isobutyl Acetate	110-19-0	CT or POVM	NIOSH 1450	0.01-0.2	A	1-10	GC/FID	Ship samples refrigerated by overnight delivery.
	Isobutyl Alcohol	78-83-1	CT or POVM	NIOSH 1401	0.01-0.2	H	1-10	GC/FID	
	Isophorone	78-59-1	Petroleum CT, 226-38 or POVM	NIOSH 2508	0.01-1	A	2-25	GC/FID	
	Isophorone Diisocyanate	4098-71-9	GFF (Tr), 225-9002	OSHA 42M	1	N	15	HPLC/UV	Sample open faced and ship samples refrigerated by overnight delivery.
	Isopropyl Acetate	108-21-4	CT	NIOSH 1454	0.02-0.2		0.1-9	GC/FID	
	Isopropyl Alcohol	67-63-0	CT or POVM	NIOSH 1400	0.01-0.2	M	0.2-3	GC/FID	Ship samples refrigerated by overnight delivery.
	Isopropyl Ether	108-20-3	CT	NIOSH 1618	0.01-0.05		0.1-3	GC/FID	
	Kerosene	8008-20-6	CT	NIOSH 1550	0.01-0.2	A	10	GC/FID	
	Lead	N/A	37 mm 0.8 µ MCE	NIOSH 7082	1-4	F	200-1500	FAA	

Test Name		CAS Number	Collection Media	Method	Flow Rate (LPM)	Compatibility	Volume (Liters)	Analytical Technique	Profile/Notes
	Lead	N/A	37 mm 0.8 µ MCE	NIOSH 7105	1-4	F	1-1500	GFAA	
	Limonene	5989-27-5	CT	NIOSH 1552	0.05		24	GC/FID	
	Lithium	N/A	37 mm 0.8 µ MCE	NIOSH 7300M	1-4	F	100-2,000	ICP	
	Magnesium	N/A	37 mm 0.8 µ MCE	NIOSH 7300M	1-4	F	5-67	ICP	
	Magnesium	N/A	37 mm 0.8 µ MCE, 225-3-01	OSHA ID 125G	2	F	10-480	ICP	
	Maleic Anhydride	108-31-6	XAD-2 (Tr) & XAD-2 (in series) 226-30-07 & 226-30	OSHA 25	0.1		20	HPLC/UV	Cover with foil and ship samples refrigerated by overnight delivery.
	Manganese	N/A	37 mm 0.8 µ MCE	NIOSH 7300M	1-4	F	5-200	ICP	
	Mercury (Inorganic Vapor)	N/A	Hopcalite, 226-17-1A	NIOSH 6009	0.15-0.25	F	2 @ 0.05 mg/m ³ - 100	CVAA	
	Mercury (Particulate)	N/A	37 mm 0.8 µ MCE	OSHA ID 145	2	F	10	CVAA	
	Mercury (Vapor)	N/A	SKC PM	NIOSH 6009	Passive		240-480 min	CVAA	
	Methacrylic Acid	79-41-4	Anasorb 708, 226-30-08, (2 in series)	OSHA PV2005	0.1		24	HPLC/UV	
	Methanol	67-56-1	Silica Gel	NIOSH 2000	0.02-0.20		1-5	GC/FID	Ship samples refrigerated by overnight delivery.
2-	Methoxyethanol	109-86-4	CT	NIOSH 1403	0.01-0.05	I	6-50	GC/FID	
	Methyl & Ethyl Methacrylate	80-62-6	XAD-2, 226-30-06	NIOSH 2537	0.01-0.05	Q	1 @ 100 ppm - 8	GC/FID	Ship samples refrigerated by overnight delivery.
	Methyl (n-amyl) Ketone	110-43-0	CT or POVM	NIOSH 1301	0.01-0.2	J	1-25	GC/FID	
	Methyl Acetate	79-20-9	CT	NIOSH 1458	0.01-0.2		0.2-10	GC/FID	Ship samples refrigerated by overnight delivery.
	Methyl Acrylate	96-33-3	CT	NIOSH 1459	0.01-0.2		1-5	GC/FID	
	Methyl Alcohol	67-56-1	SGT, 226-51	NIOSH 2000	0.02-0.2		1-5	GC/FID	Ship samples refrigerated by overnight delivery.
	Methyl Cellosolve Acetate	110-49-6	CT	NIOSH 1451	0.01-0.2	A	1-10	GC/FID	

Test Name		CAS Number	Collection Media	Method	Flow Rate (LPM)	Compatibility	Volume (Liters)	Analytical Technique	Profile/Notes
	Methyl Chloride	74-87-3	2 CT (Lg & Sm in Series)	NIOSH 1001	0.01-0.1		0.4-3	GC/FID	Ship samples refrigerated by overnight delivery.
	Methyl Chloroform (1,1,1 Trichloroethane)	71-55-6	CT or POVM	NIOSH 1003	0.01-0.2	A	0.1-8	GC/FID	
	Methyl Cyclohexane	108-87-2	CT or POVM	NIOSH 1500	0.2	A	4	GC/FID	
	Methyl Cyclohexanone	1331-22-8	Porapak Q	NIOSH 2521	0.01-0.05		1.5	GC/FID	
	Methyl Ethyl Ketone (2-Butanone)	78-93-3	ORBO 90 or SKC Anasorb 747	NIOSH 2500	0.01-0.2		1-12	GC/FID	
	Methyl Iodide	74-88-4	CT	NIOSH 1014	0.01-1		15-50	GC/FID	
	Methyl Isobutyl Carbinol	108-11-2	CT	NIOSH 1402	0.01-0.2	E	1-10	GC/FID	
	Methyl Isobutyl Ketone	108-10-1	CT or POVM	NIOSH 1300	0.01-0.2	A	1-10	GC/FID	Ship samples refrigerated by overnight delivery.
	Methyl Tert-Butyl Ether (MTBE)	1634-04-4	CT -2 in series; 226-37	NIOSH 1615	0.1-0.2		2-96	GC/FID	
1-	Methyl-2-pyrrolidinone	872-50-4	CT, 226-01	OSHA PV2043	0.2		10	GC/FID	
	Methylamine	74-89-5	(Tr) XAD-7, 226-96	OSHA 40	0.02		10	HPLC/UV	
	Methylene Bisphenyl Isocyanate (MDI)	101-68-8	GFF (Tr), 225-9002	OSHA 47	1	N	15	HPLC/UV	Sample open faced and ship samples refrigerated by overnight delivery.
	Methylene Chloride	75-09-2	2 CT (in series)	NIOSH 1005	0.01-0.2		0.5-2.5	GC/FID	Separate front and back tubes prior to shipping back to lab.
4,4'-	Methylene Dianiline (MDA)	101-77-9	GFF (Tr), 225-9004	OSHA 57	1		100	GC/ECD	After sampling transfer filter to glass vial containing 2 ml deionized water.
α -	Methylstyrene	98-83-9	CT, 226-01	NIOSH 1501	0.05	A	24	GC/FID	
β -	Methylstyrene	873-66-5	CT, 226-01	NIOSH 1501	0.05	A	24	GC/FID	
	Mineral Spirits	68551-17-7	CT	NIOSH 1550	0.01-0.2		10	GC/FID	
	Molybdenum	N/A	37 mm 0.8 μ MCE	NIOSH 7300M	1-4	F	5-67	ICP	

Test Name		CAS Number	Collection Media	Method	Flow Rate (LPM)	Compatibility	Volume (Liters)	Analytical Technique	Profile/Notes
	Molybdenum	N/A	37 mm 0.8 µ MCE	OSHA ID 125G	2	F	10-480	ICP	
	Morpholine	110-91-8	226-98	OSHA PV2123	0.2		20	GC/FID	
	Naphtha (VM + P)	8032-32-4	CT or POVM	NIOSH 1550	0.01-0.2	A	10	GC/FID	
	Naphthalene	91-20-3	CT or POVM	NIOSH 1501	0.4	A	200	GC/FID	
	Nickel	N/A	37 mm 0.8 µ MCE	NIOSH 7300M	1-4	F	5-1000	ICP	
	Nickel	N/A	37 mm 0.8 µ MCE	OSHA ID 125G	2	F	10-480	ICP	
	Nitric Acid	7697-37-2	(Tr)Quartz Filter Cassette, Quartz pre-filter 225-9032	NIOSH 7907	2		30-600	IC	
	Nitric Oxide	10102-43-9	Oxidiser & (2) Tube 226-40 in series	OSHA ID 190	0.2		3	IC	
	Nitrobenzene	98-95-3	SGT, 226-10	NIOSH 2005	0.01-1.0		10-150	GC/FID	
	Nitroethane	79-24-3	XAD-2, 226-30-02	NIOSH 2526	0.01-0.05		1.5-3	GC/FID	Separate front and back tubes prior to shipping back to lab.
	Nitrogen Dioxide	10544-72-6	TEA-MIS, 226-40-02	OSHA ID 182	0.2		3	IC	
n-	Octane	111-65-9	CT or POVM	NIOSH 1500	0.2	A	4	GC/FID	
	Oil Mist, Mineral	8042-47-5	37 mm, 0.8 µm MCE, 5µ PVC, 225-3-01	NIOSH 5026	1-3		20 @ 5 mg/m ³ - 500	FTIR	Ship a 10ml bulk sample separately.
	Organic Solvent Profile	Various	CT	NIOSH 1501M	0.2	A	20	GC/FID	See Industrial Hygiene Profiles for list of analytes and information.
	Paraffin Wax	8002-74-20	GFF	OSHA PV2047	1		100	GC/FID	
	Particulates, Bromide	Various	37 mm Quartz fiber, pre-filter 225-9032	NIOSH 7907	2		30-600	IC	
	Particulates, Chloride	Various	37 mm Quartz fiber, pre-filter 225-9032	NIOSH 7907	2		30-600	IC	
	Particulate, Fluorides	Various	37 mm 0.8 µ Nitrocellulose Filter, 225-9001	NIOSH 7906	1-2		1-800	IC	
	Particulates, Nitrates	Various	37 mm Quartz fiber, pre-filter 225-9032	NIOSH 7907	2		30-600	IC	

Test Name		CAS Number	Collection Media	Method	Flow Rate (LPM)	Compatibility	Volume (Liters)	Analytical Technique	Profile/Notes
	Pentachloroethane	76-01-7	Porapak R	NIOSH 2517	0.01-0.2		1-10	GC/ECD	
	Pentachlorophenol	87-86-5	XAD-7, 226-97 (2) in series	OSHA 39	0.2		48	HPLC/UV	
n-	Pentane	109-66-0	CT or POVM	NIOSH 1500	0.05	A	2	GC/FID	
2-	Pentanone (Methyl Propyl Ketone)	107-87-9	CT or POVM	NIOSH 1300	0.01-0.2	A	1-10	GC/FID	
	Perchloroethylene	127-18-4	CT or POVM	NIOSH 1003	0.01-0.2	A	0.2-40	GC/FID	
	Petroleum Ether	8032-32-4	CT	NIOSH 1550	0.01-0.2		20	GC/FID	
	Petroleum Naphtha	8002-05-9	CT	NIOSH 1550	0.01-0.2		20	GC/FID	
	Phenanthrene	85-01-8	Teflon filter + XAD-2 226-30-04	NIOSH 5506	2	R	1000	HPLC/UV	Transfer filters to small tubes; wrap sorbent and tubes in foil; ship cold
	Phenol	108-95-2	XAD-7, 226-95	OSHA 32	0.1		24	HPLC/UV	
	Phenyl Ether	101-84-8	CT	NIOSH 1617	0.01-0.2		1-50	GC/FID	
	Phenyl Glycidyl Ether	122-60-1	CT, 226-01	NIOSH 1619	0.01-1		80-150	GC/FID	Refrigerate upon receipt at lab
	Phosphoric Acid	7664-38-2	37 mm Quartz or PTFE Filter Cassette, 225-9033	NIOSH 7908	1-5		15-2000	IC	Ship samples refrigerated by overnight delivery.
	Phthalic Anhydride	85-44-9	GFF 225-7 (2), Treated	OSHA 90	1		75	HPLC/UV	Refrigerate upon receipt at lab
	Polychlorinated Biphenyls (PCBs)	Various	GFF + FLR, 226-39 225-16 & 225-32	NIOSH 5503	0.1		48	GC/ECD	Transfer filters to glass vials after sampling
	Polynuclear Aromatic Hydrocarbons	Various	Teflon filter + XAD-2 226-30-04	NIOSH 5506	2	R	200-1000	HPLC/UV & FL	See Industrial Hygiene Profiles for list of analytes and information, Ship Cold
	Priority Pollutants Profile	N/A	37 mm 0.8 µ MCE	NIOSH 7300M	2	F	200-500	ICP	See Industrial Hygiene Profiles for list of analytes
	Propylene Glycol Methyl Ether Acetate	108-65-6	Anasorb 747, 226-81A	NIOSH 2554	0.1 - 0.2		3-25	GC/FID	Ship samples refrigerated by overnight delivery.
n-	Propyl Acetate	109-60-4	CT or POVM	NIOSH 1450	0.01-0.2	A	1-10	GC/FID	Ship samples refrigerated by overnight delivery.
n-	Propyl Alcohol	71-23-8	CT or POVM	NIOSH 1401	0.01-0.2	H	1-10	GC/FID	

Test Name		CAS Number	Collection Media	Method	Flow Rate (LPM)	Compatibility	Volume (Liters)	Analytical Technique	Profile/Notes
	Propylene Glycol	57-55-6	OVS XAD-7, 226-57	NIOSH 5523	0.5-2		5-60	GC/FID	Ship samples refrigerated by overnight delivery.
	Propylene Glycol Methyl Ether	107-98-2	Anasorb 747, 226-81A	NIOSH 2554	0.1 - 0.2		3-25	GC/FID	Ship samples refrigerated by overnight delivery.
	Propylene Glycol Monomethyl Ether	108-65-6	Anasorb 747, 226-81A	NIOSH 2554	0.1 - 0.2		3-25	GC/FID	Ship samples refrigerated by overnight delivery.
	Propylene Glycol Propyl Ether	1569-01-3	Anasorb 747, 226-81A	NIOSH 2554	0.1 - 0.2		3-25	GC/FID	Ship samples refrigerated by overnight delivery.
	Propylene Oxide	75-56-9	CT	NIOSH 1612	0.01-0.2	A	0.5-5	GC/FID	Ship samples refrigerated by overnight delivery.
	Pyrene	129-00-0	Teflon filter + XAD-2 226-30-04	NIOSH 5506	2	R	1000	HPLC/UV	Transfer filters to small tubes; wrap sorbent and tubes in foil; ship cold
	Pyrethrum	8003-34-7	XAD-2 (OVS) 226-30-16	OSHA 70	1		60	GC/ECD	
	Pyrethrum	8003-34-7	GFF, 225-709	NIOSH 5008	1-3		20-400	HPLC/UV	
	Pyridine	110-86-1	CT	NIOSH 1613	0.01-1		18-150	GC/FID	
	RCRA-8 Metals Profile	N/A	37 mm 0.8 µ MCE	NIOSH 7300M	2	F	200-500	ICP	Arsenic, Barium, Cadmium, Chromium, Lead, Silver and Selenium (Mercury is analyzed on separate cassette)
	Rubber Solvent	8030-30-6	CT	NIOSH 1550	0.01-0.2		20	GC/FID	
	Selenium	N/A	37 mm 0.8 µ MCE	OSHA ID 125G	2	F	10-40	ICP	
	Silica (Amorphous)	Various	5 µ PVC (PW) & Cyclone	NIOSH 7501	1.7		300-900	XRD	Subcontract
	Silica (Crystalline)	60676-86-0	5 µ PVC (PW) & Cyclone	NIOSH 7602	1.7		400-800	FTIR	Does not include dust.
	Silica (Crystalline)	14464-46-1	5 µ PVC (PW) & Cyclone	NIOSH 7500	1.7		300-900	XRD	Subcontract
	Silver	N/A	37 mm 0.8 µ MCE	NIOSH 7300M	1-4	F	200-2000	ICP	
	Silver	N/A	37 mm 0.8 µ MCE	OSHA ID 125G	2	F	200-480	ICP	
	Sodium	N/A	37 mm 0.8 µ MCE	NIOSH 7300M	1-4	F	13-2,000	ICP	

Test Name		CAS Number	Collection Media	Method	Flow Rate (LPM)	Compatibility	Volume (Liters)	Analytical Technique	Profile/Notes
	Solder Operations Profile	N/A	37 mm 0.8 µ MCE or wipe	NIOSH 7300M	1.0-2.0	F	200-500	ICP	See Industrial Hygiene Profiles for list of analytes and information.
	Stoddard Solvent	8052-41-3	CT	NIOSH 1550	0.01-0.2	A	10	GC/FID	
	Styrene	100-42-5	CT or POVM	NIOSH 1501	1	A	5-14	GC/FID	
	Sulfur Dioxide	7446-09-5	GFF (Tr), 225-9005	NIOSH 6004	0.5-1.5		4-200	IC	
	Sulfuric Acid	7664-93-9	37 mm Quartz or PTFE Filter Cassette, 225-9033	NIOSH 7908	1-5		15-2000	IC	Ship samples refrigerated by overnight delivery.
	Target Analyte List Profile	N/A	37 mm 0.8 µ MCE	NIOSH 7300M	2	F	200-500	ICP	See Industrial Hygiene Profiles for list of analytes
	Tellurium	N/A	37 mm 0.8 µ MCE	OSHA ID 125G	2	F	10-480	ICP	
1,1,2,2-	Tetrabromoethane	79-27-6	SGT, 226-10	NIOSH 2003	0.2-1		50-100	GC/FID	
1,2,4,5-	Tetrachlorobenzene	95-94-3	13mm PTFE and XAD-2, 225-17-03/226-30-04	NIOSH 5517	0.01-0.2		3-12	GC/ECD	Separate filter and sorbent tube prior to shipping.
1,1,2,2-	Tetrachloroethane	79-34-5	PET CT, 226-38 or POVM	NIOSH 1019	0.01-0.2		3-30	GC/FID	
	Tetrachloroethylene	127-18-4	CT or POVM	NIOSH 1003	0.01-0.2	A	0.2-40	GC/FID	
	Tetrahydrofuran	109-99-9	CT or POVM	NIOSH 1609	0.01-0.2	A	1-9	GC/FID	
	Thallium	N/A	37 mm 0.8 µ MCE	NIOSH 7300M	1-4	F	200-2000	ICP	
	Tin	N/A	37 mm 0.8 µ MCE	NIOSH 7300M	1-4	F	100-500	ICP	
	Tin	N/A	37 mm 0.8 µ MCE	OSHA ID 125G	2	F	10-480	ICP	
	Titanium	N/A	37 mm 0.8 µ MCE	NIOSH 7300M	1-4	F	5-100	ICP	
	Titanium Dioxide	N/A	37 mm 0.8 µ MCE	NIOSH 7300M	1-4	F	5-100	ICP	Analyze for Titanium and then report the oxide.
	Toluene	108-88-3	CT or POVM	NIOSH 1501	0.2	A	2-8	GC/FID	
	Toluene-2,4- Diisocyanate (TDI)	584-84-9	GFF (Tr), 225-9002	OSHA 42	1	N	15	HPLC/UV	Sample open faced and ship samples refrigerated by overnight delivery.

Test Name		CAS Number	Collection Media	Method	Flow Rate (LPM)	Compatibility	Volume (Liters)	Analytical Technique	Profile/Notes
	Toluene-2,6-Diisocyanate	91-08-	GFF (Tr), 225-9002	OSHA 42	0.2-1.0	N	15-170	HPLC/UV	Sample open faced and ship samples refrigerated by overnight delivery.
o-	Toluidine	95-53-4	SGT, 226-10	NIOSH 2002	0.1		9-40	GC/FID	
	Total Hydrocarbons as Hexane	Various	CT, 226-01	NIOSH 1500	0.01-0.2	A	5-20	GC/FID	
	Toxic Metals Profile	N/A	37 mm 0.8 µ MCE	NIOSH 7300M	1.0-4.0	F	200-500	ICP	Arsenic, Beryllium, Cadmium, Chromium, Lead and Vanadium
1,1,2-	Trichloro-1,2,2-Trifluoroethane (Freon 113)	76-13-1	CT or POVM	NIOSH 1020	0.01-0.05	A	0.1-3	GC/FID	Ship samples refrigerated by overnight delivery.
1,2,3-	Trichlorobenzene	87-61-6	13mm PTFE and XAD-2, 225-17-03/226-30-04	NIOSH 5517	0.01-0.2		3-12	GC/ECD	Separate filter and sorbent tube prior to shipping.
1,2,4-	Trichlorobenzene	120-82-1	13mm PTFE and XAD-2, 225-17-03/226-30-04	NIOSH 5517	0.01-0.2		3-12	GC/ECD	Separate filter and sorbent tube prior to shipping.
1,3,5-	Trichlorobenzene	108-70-3	13mm PTFE and XAD-2, 225-17-03/226-30-04	NIOSH 5517	0.01-0.2		3-12	GC/ECD	Separate filter and sorbent tube prior to shipping.
1,1,2-	Trichloroethane	79-00-5	CT or POVM	NIOSH 1003	0.01-0.2	A	0.2-40	GC/FID	
1,1,1-	Trichloroethane (Methyl Chloroform)	71-55-6	CT	NIOSH 1003	0.2	A	8	GC/FID	
	Trichloroethylene	79-01-6	CT or POVM	NIOSH 1022	0.01-0.2	A	1-30	GC/FID	
1,2,3-	Trichloropropane	96-18-4	CT or POVM	NIOSH 1003	0.01-0.2	A	0.6-60	GC/FID	
	Triethylene Glycol	112-27-6	XAD-7 OVS Tube	NIOSH 5523	0.5-2		5-60	GC/FID	Ship samples refrigerated by overnight delivery.
	Triethylenetetramine	112-24-3	XAD-2 (Tr), 226-30-18	OSHA 60	0.1		10	HPLC/UV	
	Trimellitic Anhydride (TMA)	552-30-7	37 mm 0.8 PVC Co-polymer	NIOSH 5036	1.5-2		400	GC/FID	
1,2,3-	Trimethylbenzene	526-73-8	CT	NIOSH 1500M	0.01-0.2	A	10-30	GC/FID	
1,2,4-	Trimethylbenzene	95-63-6	CT	NIOSH 1500M	0.01-0.2	A	10-30	GC/FID	
1,3,5-	Trimethylbenzene	108-67-8	CT	NIOSH 1500M	0.01-0.2	A	10-30	GC/FID	

Test Name		CAS Number	Collection Media	Method	Flow Rate (LPM)	Compatibility	Volume (Liters)	Analytical Technique	Profile/Notes
	Turpentine	8006-64-2	CT	NIOSH 1551	0.01-0.2	A	10	GC/FID	
	Vanadium	N/A	37 mm 0.8 µ MCE	NIOSH 7300M	1-4	F	5-2000	ICP	
	Vanadium Pentoxide	1314-61-1	37 mm 0.8 µ MCE	NIOSH 7300M	1-4	F	5-2000	ICP	Analyze for Vanadium and then calculate for oxide.
	Vinyl Acetate	108-05-4	ORBO 92	NIOSH 1453	0.1		24	GC/FID	
	Vinyl Bromide	593-60-2	Lg CT, 226-09	NIOSH 1009	0.01-0.2		2-10	GC/FID	
	Vinyl Chloride	75-01-4	2 CT (in series)	NIOSH 1007	0.05		0.7-5	GC/FID	Separate front and back tubes prior to shipping back to lab.
	Vinyl Toluene	622-97-9	CT or POVM	NIOSH 1501	0.2	A	10-24	GC/FID	
	Vinylidene Chloride	75-35-4	CT	NIOSH 1015	0.01-0.2		5	GC/FID	
	Welding Fume Metals Profile	N/A	37 mm 0.8 µ MCE	NIOSH 7300M	2	F	200-500	ICP	See Industrial Hygiene Profiles for list of analytes and information.
<i>m,p-</i>	Xylene	1330-20-7	CT	NIOSH 1501	0.02-0.2	A	2-30	GC/FID	
<i>o-</i>	Xylene	95-47-6	CT	NIOSH 1501	0.02-0.2	A	2-30	GC/FID	
	Zinc	N/A	37 mm 0.8 µ MCE	NIOSH 7300M	1-4	F	5-200	ICP	
	Zirconium	N/A	37 mm 0.8 µ MCE	NIOSH 7300M	1-4	F	5-200	ICP	



Sampling Media

Call for Pricing and Availability

Media	ID #	Media Description	Index
Cassettes / Metals			
37mm MCEF		Lead / Metals	
37mm MW		Matched Weighed	
37mm UNW		Unweighed PVC	
37mm PW PVC		Pre-Weighed PVC 2pc	
37mm PW PVC		Pre-Weighed Plc. 3pc	
Cassettes / Asbestos			
25mm MCEF		PCM Asbestos	
25mm MCEF		TEM Asbestos	
Cassettes			
37mm GFF	225-7	Coal Tar Pitch	
37mm MCE Tr (sodium carbonate)	225-9001		
37mm GFF Tr (1-2pyrdl(peperazine))	225-9002	Isocyanates	Refrigerated
37mm GFF Tr(2,4,dinitrophenylhydrazine))	225-9003	Gluderaldehyde	Refrigerated
37mm FGg Tr(Sulfuric Acid)	225-9004		
37mm MCE Tr (sodium carbonate)	225-9005	MDA	
37mm Teflon	225-9006	Chlorine	
37mm GFF Tr (mercuric acetate)	225-9007	Mercaptan	Refrigerated
37mm GFF (nitrate impregnated)	225-9014	Ozone	
Stainless Steel Back Up Pad	225-26	Carbon Black	
Swinex	225-32 + 226-39 Fl. Tube	PCB kit	
37mm 2ug PTFE Filter	225-17-07		
37mm 1.0ug PTFE Filter	225-17-01		
25mm PTFE Washed Filter	225-1708 + 225-3-25		
Mold			
Air-o-Cell Cassette	Zefon AOC010	Mold	
Bio-Tape	Zefon BT0025	Mold	

Media	ID #	Media Description	Index
Filters			
TSP Filters			
TSPW Filters (weighed)			
PM 10 Filters			
PW Whattman Filters			
Badges			
Passive Sampler	500-100	UMEX Formaldehyde	
3M 3500		3M 3500 Badge	
3M 3520		3M 3520 Badge	
3M 3551 (ethylene Oxide)		3M 3551 Badge	
Mercury Badge Holder		Mercury Badge Holder	
Mercury Badge		Mercury Badge	
OVM Badge		OVM Badge (charcoal)	
OVM Badge		OVM Badge (Anasorb 747)	
Tubes			
Small Charcoal Tube	226-01		
Lg. Charcoal Tube	226-09		
Silica Gel Tube (75/150)	226-10		
Silica Gel Tube specially clean	226-10-03		
Silica Gel Tube (150/300)	226-10-04		
Silica Gel Tube (sulfuric acid)	226-10-06		Limited Shelf Life
Silica Gel Tube (260/520)	226-15		
Sorbent Tube	226-17-1A	For Mercury	
XAD (2-hydroxymethylpiperidine)	226-27		Limited Shelf Life
Soda lime Tube	226-28		
Anasorb 747 (sulfuric acid)	226-29		Limited Shelf Life
XAD-2 Tube (40-80)	226-30		
XAD-2 Tube (set of 2)	226-30-02		
XAD-2 Tube (50/100)	226-30-04		
XAD-2 Tube (p-anisidine)	226-30-07		
Anasorb 708	226-30-08		
XAD-2 Tube/GFF (OVS)	226-30-16		Limited Shelf Life
XAD-2 Tube	226-30-18		Limited Shelf Life

Media	ID #	Media Description	Index
Tenax Tube (10/20)	226-35-01		Limited Shelf Life
Charcoal Tub, JXC	226-36		
Anasorb CSC, Charcoal Tube	226-37	set of 2	
Treated Charcoal Tube	226-38-03		Refrigerated
Florisil Tube	226-39		
NO/NO2 Tubes (set of 30)	226-40		Refrigerated
NO2 Tubes Only	226-40-02	NO2 Tube	Limited Shelf Life
Gas Chrom-R Tube (sulfuric acid)	226-42-02	Gas Chrom-R	Limited Shelf Life
Drying Tube	226-44	Drying Tube	
Silica Gel Tube (50/100)	226-51	Silica Gel	
XAD-2 Tube (2 hydroxymethyl	226-54	XAD-2	Limited Shelf Life
Tenax Tub / GFF (OVS)	226-56	Tenax / GFF (OVS)	Limited Shelf Life
XAD-7/GFF (OVS)	226-57	XAD-7/GFF (OVS)	Limited Shelf Life
XAD-2/Quartz Filter (OVS)	226-58	XAD-2/Quartz Filter(OVS)	Limited Shelf Life
Coconut CT (potassium hydroxide)	226-67	Coconut CT	Limited Shelf Life
Coconut CT (t-butylcatechol)	226-73	Coconut CT	Limited Shelf Life
Anasorb 747 (potassium hydroxide)	226-80	Anasorb 747	Limited Shelf Life
Anasorb 747 (70/140)	226-81A	Anasorb 747	
Anasorb 747 (200/400)	226-83	Anasorb 747	
XAD-7 (50/100)	226-95	XAD-7 (50/100)	
XAD-7 (chloride)	226-96	XAD-7	Limited Shelf Life
XAD-7 (1) specially cleaned (2) regular (set of 3 tubes)	226-97	XAD-7	
XAD-7 (phosphoric acid)	226-98	XAD-7	Limited Shelf Life
Chromosorb-102	226-107	Chromosorb-102	
Chromosorb-106	226-111A	Chromosorb-106	
Porapak-Q	226-115	Porapak-Q	
XAD-2 (2-hydroxymethylpiperidine)	226-117	XAD-2 Lg.	Limited Shelf Life
XAD-2 (2-hydroxymethylpiperidine)	226-118	XAD-2 Sm.	Limited Shelf Life
Silica Gel (2,4 dinitrophenylhydrazine)	226-119	Silica Gel	Refrigerated
Anasorb (75/150)	226-121	Anasorb (75/150)	
Orbo 34	20211	Orbo 34	
Orbo 43	20258	Orbo 43	
Orbo 49P	20350	Orbo 49P	
Orbo 53	20365	Orbo 53	
Orbo 90	20358	Orbo 90	
Orbo 92	20362	Orbo 92	

Media	ID #	Media Description	Index
BAGS			
Tedlar Bags	233-01B	Tedlar Bags	
3x5		3x5 sample bag (Qty 100)	
4x6		4x6 sample bag (Qty 100)	
12x12		12x12 sample bag(Qty 100)	
Wipes			
ASTM Ghost Wipes		ASTM Ghost Wipes	
Whatman Filters		Whatman Filters	
Spike Wipes		Spike Wipes (200 mic.)	
PCB Wipe Kit	In House	Watt. Filter/Hex. Scint. Via	
Containers			
Plastic Bottle		125ml	
Plastic Bottle		250ml	
Plastic Bottle		500ml	
Plastic Bottle		1000ml	
Amber Liter		1L	
Clear wm jar		4oz	
Clear wm jar		8oz	
Scintillation Vials		Scintillation Vials	
50ml Centrifuge Tubes		Lead Centrifuge tubes	
40 ml Amber VOA Unpr.		40ml Unpreserved	
40ml Amber VOA Pres.		40ml HCL Preserved	
40ml Clear Voa unpr.		40ml Unpreserved	
40ml Clear Voa Pres.		40ml Preserved	
Gloves			
S. Powder Free Gloves		SM (100 ea. Box)	
Lg. Powder Free Gloves		Lg (100 ea. Box)	
XL Powder Free Gloves		XL (100 ea. Box)	