

Industrial Hygiene Test

| Analyte | CAS # | Method | Technique |
|---------------------------------------|-----------|---------------|-----------|
| Acetaldehyde | 75-07-0 | NIOSH 2016M | HPLC |
| Acetic Acid | 64-19-7 | OSHA ID 186SG | IC |
| Acetic Acid | 64-19-7 | NIOSH 2011M | IC |
| Acetic Anhydride | 108-24-7 | OSHA 82 | GC/NPD |
| Acetone | 67-64-1 | OSHA 69 | GC/FID |
| Acetone | 67-64-1 | NIOSH 1300 | GC/FID |
| Acetonitrile | 75-05-8 | NIOSH 1606 | GC/FID |
| Acid Mist (see Inorganic Profiles) | N/A | NIOSH 7903 | IC |
| Acrolein | 107-02-8 | NIOSH 2016M | HPLC |
| Acrylamide | 79-06-1 | OSHA 21 | GC/NPD |
| Acrylic Acid | 79-10-7 | OSHA 28 | HPLC |
| Acrylonitrile | 107-13-1 | NIOSH 1604 | GC/FID |
| Aldehyde Profile | N/A | EPA TO-11 | HPLC/UV |
| Aldrin | 309-00-2 | TO-11A | GC/ECD |
| See Organochlorine Pesticide Profile. | | | |
| Alkaline Dust (as NaOH or KOH) | 1310-73-2 | NIOSH 7401 | TITRA |
| Aluminum | 7429-90-5 | NIOSH 7300 | ICP |
| Also see welding Fume Profile. | | | |
| Ammonia | 766-44-17 | NIOSH 6015 | Wet |
| Ammonia | 7664-41-7 | NIOSH 6016 | IC |

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| n-Amyl Acetate | 628-63-7 | NIOSH 1450 | GC/FID |
| sec- Amyl Acetate | 626-38-0 | NIOSH 1450 | GC/FID |
| Aniline | 62-53-3 | NIOSH 2017 | GC/FID |
| Aniline | 62-53-3 | NIOSH 2002 | GC/FID |
| Antimony | 7440-36-0 | NIOSH 7300 | ICP |
| Also See Welding Fumes Profile. | | | |
| Arsenic | 7440-38-2 | NIOSH 7300 | ICP |
| Arsenic Trioxide (as Arsenic) | N/A | NIOSH 7901 | GFAA |
| Arsine (as Arsenic) | 7784-42-1 | NIOSH 6001M | ICP |
| Asbestos Bulk ID | N/A | EPA 600/R-93/116 | PLM |
| Asbestos Bulk Point Count | N/A | EPA 600/R-93/116 | PLM |
| Asbestos Fiber Count | N/A | NIOSH 7400 | PCM |
| Asphalt Fumes - Benzene Soluble Fraction | N/A | NIOSH 5042 | GR |
| Asphalt Fumes - Total Particulates | N/A | NIOSH 5042 | GRAV |
| Includes total particulate and benzene solubles. | | | |
| Barium | 7440-39-3 | NIOSH 7300 | ICP |
| Benzene | 71-43-2 | NIOSH 1501 | GC/FID |
| Benzidine | 92-87-5 | NIOSH 5509 | HPLC |
| Ship on dry ice by overnight delivery. | | | |
| Benzo (a) pyrene | 50-32-8 | NIOSH 5506 | HPLC/FL |
| Also see selected PNA Profile. | | | |
| Benzoyl Peroxide | 94-36-0 | NIOSH 5009 | HPLC |

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| Benzyl Chloride | 100-44-7 | NIOSH 1003 | GC/FID |
| Beryllium | 7440-41-7 | NIOSH 7300 | ICP |
| Also see Welding Fumes Profile. | | | |
| Biphenyl (Diphenyl) | 92-52-4 | NIOSH 2530 | GC/FID |
| Bismuth | 1304-82-1 | NIOSH 7300 | ICP |
| Bisphenol A | 80-05-7 | OSHA CSI | HPLC |
| Boron | 7440-42-8 | NIOSH 7300 | ICP |
| Bromine | 7726-95-6 | NIOSH 6011 | IC |
| Bromoform | 75-25-2 | NIOSH 1003 | GC/FID |
| BTEX | N/A | NIOSH 1501 | GC/FID |
| 1,3-Butadiene | 106-99-0 | OSHA 56 | GC/FID |
| Ship refrigerated overnight. | | | |
| 1,3-Butadiene | 106-99-0 | NIOSH 1024 | GC/FID |
| Ship refrigerated overnight. | | | |
| 2-Butanone | 78-93-3 | NIOSH 2500 | GC/FID |
| 2-Butoxyethanol | 111-76-2 | NIOSH 1403 | GC/FID |
| 2-Butoxyethyl Acetate | 112-07-2 | OSHA 83 | GC/FID |
| n-Butyl Acetate | 123-86-4 | NIOSH 1450 | GC/FID |
| s-Butyl Acetate | 105-46-4 | NIOSH 1450 | GC/FID |
| t-Butyl Acetate | 540-88-5 | NIOSH 1450 | GC/FID |
| n-Butyl Acrylate | 141-32-2 | NIOSH 1450M | GC/FID |

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| n-Butyl Alcohol | 71-32-3 | NIOSH 1401 | GC/FID |
| s-Butyl Alcohol | 15892-23-6 | NIOSH 1401 | GC/FID |
| t-Butyl Alcohol | 75-65-0 | NIOSH 1400 | GC/FID |
| Butyl Carbitol | 112-34-5 | NIOSH 1403 | GC/FID |
| Butyl Cellosolve | 111-76-2 | NIOSH 1403 | GC/FID |
| Butyl Cellosolve Acetate | 112-07-2 | NIOSH 1403 | GC/FID |
| n-Butyl Glycidyl Ether | 2426-08-6 | NIOSH 1616 | GC/FID |
| Butyl Methacrylate | 97-88-1 | NIOSH 2537 | GC/FID |
| Cadmium | 7440-43-9 | NIOSH 7300 | ICP |
| Calcium | 7440-70-2 | NIOSH 7300 | ICP |
| Camphor | 76-22-2 | NIOSH 1301 | GC/FID |
| Caprolactam - Dust | 105-60-2 | OSHA CSI | HPLC |
| Caprolactam - Vapor | 105-60-2 | OSHA CSI | HPLC |
| Carbon Black | 1333-86-4 | NIOSH 5000 | GR |
| Carbon Black | 1333-86-4 | OSHA ID 196 | GR |
| Carbon Tetrachloride | 56-23-5 | NIOSH 1003 | GC/FID |
| Cellosolve | 110-80-5 | NIOSH 1403 | GC/FID |
| Cellosolve Acetate | 111-15-9 | NIOSH 1450 | GC/FID |

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| Chlordane | 57-74-9 | OSHA 67 | GC/ECD |
| Chlordane | 57-74-9 | NIOSH 5510 | GC/ECD |
| Chlorine | 7782-50-5 | NIOSH 6011 | IC |
| Chlorine Dioxide | 10049-04-4 | OSHA ID 202 | IC |
| Protect solution from light. Chlorobenzene | 108-90-7 | NIOSH 1003 | GC/FID |
| Chlorobromomethane | 74-97-5 | NIOSH 1003 | GC/FID |
| Chloroform | 67-66-3 | NIOSH 1003 | GC/FID |
| b-Chloroprene | 126-99-8 | NIOSH 1002 | GC/FID |
| Chlorpyrifos | 2921-88-2 | OSHA 62 | GC/ECD |
| Chromic Acid - Sol. Chromates | | NIOSH 7600 | SPEC |
| Chromium | 7440-47-3 | NIOSH 7300 | ICP |
| Chromium, Hexavalent | | OSHA 215 | VAS |
| Hexavalent Chromium | | OSHA 215 | VAS |
| Coal Tar Pitch Volatiles | 65996-93-2 | OSHA 58 | HPLC |
| Ship refrigerated overnight. Coal Tar Pitch Volatiles | 65996-93-2 | OSHA 58 | GR |
| Ship refrigerated for overnight delivery. Cobalt | 744-48-4 | NIOSH 7300 | ICP |
| Coke Oven Emissions | 67-63-0 | OSHA 58 | GRI |
| Ship refrigerated for overnight delivery. Coke Oven Emissions | 67-63-0 | OSHA 58 | HPLC |
| Ship refrigerated overnight. | | | |

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| Copper | 7440-50-8 | NIOSH 7300 | ICP |
| Cresols, Total Isomers | | NIOSH 2546 | GC/FID |
| Cumene | 98-82-8 | NIOSH 1501 | GC/FID |
| Cyanides, Gaseous (HCN) | 151-50-8 | NIOSH 6010 | SPEC |
| Cyanides, Particulate | 151-50-8 | NIOSH 7904 | ISE |
| Cyanides, Total | 151-50-8 | NIOSH 7904 | ISE |
| Cyclohexane | 110-82-7 | NIOSH 1500 | GC/FID |
| Cyclohexanol | 108-93-0 | NIOSH 1402 | GC/FID |
| Cyclohexanone | 108-94-1 | NIOSH 1300 | GC/FID |
| Cyclohexene | 110-83-8 | NIOSH 1500 | GC/FID |
| DDVP | 62-73-7 | OSHA 62M | GC/ECD |
| n-Decane | 124-18-5 | NIOSH 1500 | GC/FID |
| Di(2-Ethylhexyl) Phthalate | 117-81-7 | NIOSH 5020 | GC/FID |
| Diacetone Alcohol | 123-42-2 | NIOSH 1402 | GC/FID |
| Diazinon | 333-41-5 | NIOSH 5600M | GC/ECD |
| Dibutylphthalate | 84-74-2 | NIOSH 5020 | GC/FID |
| 1,2-Dichloro-1,1,2,2-Tetrafluoroethane (R114) | 76-14-2 | NIOSH 1018 | GC/FID |
| 1,1-Dichloro-1-fluoroethane (R141b) | 1717-00-6 | NIOSH 2516 | GC/FID |

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| o-Dichlorobenzene | 95-50-1 | NIOSH 1003 | GC/FID |
| p-Dichlorobenzene | 106-46-7 | NIOSH 1003 | GC/FID |
| Dichlorodifluoromethane (R12) | 75-71-8 | NIOSH 1018 | GC/FID |
| 1,1-Dichloroethane | 75-34-3 | NIOSH 1003 | GC/FID |
| 1,2-Dichloroethane | 107-06-2 | NIOSH 1003 | GC/FID |
| 1,2-Dichloroethylene | 540-59-0 | NIOSH 1003 | GC/FID |
| Dichlorofluoromethane (R21) | 75-43-4 | NIOSH 2516 | GC/FID |
| Dichloromethane | 75-09-2 | NIOSH 1005 | GC/FID |
| 1,2-Dichloropropane | 78-87-5 | NIOSH 1013M | GC/FID |
| Dichlorvos | 62-73-7 | OSHA 62M | GC/ECD |
| Diethyl Ether | 60-29-7 | NIOSH 1610 | GC/FID |
| Diethylene Glycol | 111-46-6 | NIOSH 5523 | GC/FID |
| Diethylene Glycol Mono-Ethyl Ether | 111-90-0 | NIOSH1403M | GC/FID |
| Diisobutyl Ketone | 108-83-8 | NIOSH 1300 | GC/FID |
| Dimethoxymethane | 109-87-5 | NIOSH 1611 | GC/FID |
| Dimethylacetamide | 127-19-5 | NIOSH 2004 | GC/FID |
| Dimethylformamide | 68-12-2 | NIOSH 2004 | GC/FID |
| 1,4-Dioxane | 123-91-1 | NIOSH 1602 | GC/FID |

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| Diphenyl | 92-52-4 | NIOSH 2530 | GC/FID |
| Dipropylene Glycol Methyl Ether | 34590-94-8 | OSHA 7 | GC/FID |
| Divinylbenzene | 1321-74-0 | OSHA 89 | GC/FID |
| Dursban | 2921-88-2 | OSHA 62 | GC/ECD |
| Dust, Nuisance Resp. | N/A | NIOSH 0600 | GR |
| Dust, Nuisance Total | N/A | NIOSH 0500 | GR |
| Epichlorohydrin | 106-89-8 | NIOSH 1010 | GC/FID |
| Ethanol | 64-17-5 | NIOSH 1400 | GC/FID |
| 2-Ethoxyethanol (Cellosolve) | 101-80-5 | NIOSH 1403 | GC/FID |
| 2-Ethoxyethyl Acetate | 111-15-9 | NIOSH 1450 | GC/FID |
| Ethyl Acetate | 141-78-6 | NIOSH 1457 | GC/FID |
| Ethyl Acrylate | 140-88-5 | NIOSH 1450 | GC/FID |
| Ethyl Alcohol | 64-17-5 | NIOSH 1400 | GC/FID |
| Ethyl Amyl Ketone | 541-85-5 | OSHA 07 | GC/FID |
| Ethyl Benzene | 100-41-4 | NIOSH 1501 | GC/FID |
| Ethyl Chloride (Chloroethane) | 75-00-3 | NIOSH 2519 | GC/FID |
| Ethyl Cyanoacrylate | 7085-85-0 | OSHA 55 | HPLC |
| Ethyl Ether | 60-29-7 | NIOSH 1610 | GC/FID |

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| Ethylene Chlorohydrin | 107-07-3 | NIOSH 2513 | GC/FID |
| Ethylene Dibromide | 106-93-4 | NIOSH 1008 | GC/ECD |
| Ethylene Dichloride | 107-06-2 | NIOSH 1003 | GC/FID |
| Ethylene Glycol | 107-21-1 | NIOSH 5523 | GC/FID |
| Also see Glycol Profile | | | |
| Ethylene Oxide | 75-21-1 | NIOSH 1614 | GC/ECD |
| Fiber Count, Total | N/A | NIOSH 7400A or B | PCM |
| Fibrous Glass (Synthetic Vitreous) | N/A | NIOSH 7400B | PCM |
| Fluorides, Gaseous | 16984-48-8 | NIOSH 7906 | IC |
| Fluorides, Particulate | 16984-48-8 | NIOSH 7906 | IC |
| Forane | 26675-46-7 | OSHA 103 | GC/FID |
| Formaldehyde | 50-00-0 | NIOSH 2016 or TO-11 | HPLC |
| Formaldehyde | 50-00-0 | NIOSH 3500 | Color Metric |
| Formic Acid | 64-18-6 | NIOSH 2011 | IC |
| Furfural | 98-01-1 | NIOSH 2529 | GC/FID |
| Furfuryl Alcohol | 98-00-0 | NIOSH 2505 | GC/FID |
| Gasoline | 8006-61-9 | NIOSH 1550M | GC/FID |
| Glass Fibers/Syn. Vitreous Fibers | N/A | NIOSH 7400B | PCM |
| Glutaraldehyde | 11-30-8 | NIOSH 2016M | HPLC |

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| Halothane | 151-67-7 | OSHA ID 103 | GC/FID |
| HDI | 822-06-0 | OSHA 42 | HPLC/FL |
| Ship samples refrigerated by overnight delivery. | | | |
| Heptachlor | 76-44-8 | TO-10A | GC/ECD |
| Heptane | 142-82-5 | NIOSH 1500 | GC/FID |
| 2-Heptanone | 110-43-0 | NIOSH 1301 | GC/FID |
| Hexamethylene Diisocyanate | 822-06-0 | OSHA 42 | HPLC/FL |
| n-Hexane | 110-54-3 | NIOSH 1500 | GC/FID |
| 2-Hexanone (MBK) | 591-78-6 | NIOSH 1300 | GC/FID |
| Hexone (MIBK) | 108-10-1 | NIOSH 1300 | GC/FID |
| Hydrazine | 302-10-6 | OSHA 20 | HPLC |
| Hydrobromic Acid | 10035-10-6 | NIOSH 7903 | IC |
| Hydrocarbons, Total as n-Hexane | 110-54-3 | NIOSH 1500 | GC/FID |
| Also see THC Profile | | | |
| Hydrochloric Acid | 7647-01-0 | NIOSH 7903 | IC |
| Hydrofluoric Acid | 7664-39-3 | NIOSH 7903 | IC |
| Hydrogen Bromide | 10035-10-6 | NIOSH 7903 | IC |
| Hydrogen Chloride | 7647-01-0 | NIOSH 7903 | IC |
| Also see Inorganic Acid Profile. | | | |
| Hydrogen Cyanide | 74-90-8 | NIOSH 6010 | SPEC |
| Hydrogen Fluoride | 7664-39-3 | NIOSH 7903 | IC |
| Also see Inorganic Acid Profile. | | | |

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| Hydrogen Sulfide | 7783-06-4 | NIOSH 6013 | IC |
| Hydroquinone | 123-31-9 | NIOSH 5004 | HPLC |
| Iron Oxide | 1309-37-1 | NIOSH 7300 | ICP |
| Isoamyl Acetate | 123-92-2 | NIOSH 1450 | GC/FID |
| Isoamyl Alcohol | 123-51-3 | NIOSH 1402 | GC/FID |
| Isobutyl Acetate | 110-19-0 | NIOSH 1450 | GC/FID |
| Isobutyl Alcohol | 78-83-1 | NIOSH 1401 | GC/FID |
| Isoflurane | 26675-46-7 | OSHA 103 | GC/FID |
| Isooctane | 540-84-1 | NIOSH 1500 | GC/FID |
| Isophorone | 78-59-1 | NIOSH 2508 | GC/FID |
| Isopropyl Acetate | 108-21-4 | NIOSH 1454 | GC/FID |
| Isopropyl Alcohol | 67-63-0 | NIOSH 1400 | GC/FID |
| Isovaleraldehyde | 590-86-3 | NIOSH 2016M | HPLC |
| Kerosene (Diesel fuel) | 8008-20-6 | NIOSH 1550 | GC/FID |
| Lead | 7439-92-1 | NIOSH 7300 | ICP |
| Lead - Wipes/Dust | 7439-92-1 | NIOSH 9100 | ICP |
| Lithium | 7439-93-2 | NIOSH 7300 | ICP |
| Lithium Hydride | 7580-67-8 | NIOSH 7300M | ICP |

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| Magnesium - Fume | 1309-48-4 | NIOSH 7300 | ICP |
| Maleic Anhydride | 108-31-6 | OSHA 86 | HPLC |
| Manganese | 7439-96-5 | NIOSH 7300 | ICP |
| MDI | 101-68-8 | OSHA 47 | HPLC/FL |
| Ship samples refrigerated by overnight delivery. | | | |
| Mercury | 7439-97-6 | NIOSH 6009 | MA-CVAA |
| Mercury Particulate | 7439-97-6 | NIOSH 6009M | MA-CVAA |
| Mesityl Oxide | 141-79-7 | NIOSH 1301 | GC/FID |
| Mesitylene | 108-67-8 | NIOSH 1501 | GC/FID |
| Metal Working Fluids | N/A | ASTM PS 42-97 | GR |
| Methanol | 67-56-1 | NIOSH 2000 | GC/FID |
| 2-Methoxyethanol | 109-86-4 | OSHA 79 | GC/FID |
| 2-Methoxyethyl Acetate | 110-49-6 | OSHA 79 | GC/FID |
| Methyl Acetate | 79-20-9 | NIOSH 1458 | GC/FID |
| Methyl Acrylate | 96-33-3 | NIOSH 1459 | GC/FID |
| Methyl Alcohol | 67-56-1 | NIOSH 2000 | GC/FID |
| Methyl Butyl Ketone | 591-78-6 | NIOSH 1300 | GC/FID |
| Methyl Cellosolve | 109-86-4 | OSHA 79 | GC/FID |
| Methyl Cellosolve Acetate | 110-49-6 | OSHA 79 | GC/FID |

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| Methyl Chloroform | 71-55-6 | NIOSH 1003 | GC/FID |
| Methyl Cyclohexane | 108-87-2 | NIOSH 1500 | GC/FID |
| Methyl Ethyl Ketone | 78-93-3 | NIOSH 2500 | GC/FID |
| Methyl Isoamyl Ketone | 110-12-3 | NIOSH 1300 | GC/FID |
| Methyl Isobutyl Carbinol | 108-11-2 | NIOSH 1402 | GC/FID |
| Methyl Isobutyl Ketone | 108-10-1 | NIOSH 1300 | GC/FID |
| Methyl Methacrylate | 80-62-6 | NIOSH 2537 | GC/FID |
| Methyl Methacrylate | 80-62-6 | OSHA 94 | GC/FID |
| Methyl n-Amyl Ketone | 110-43-0 | NIOSH 1301 | GC/FID |
| Methyl Propyl Ketone | 107-87-9 | OSHA 07 | GC/FID |
| Methyl Styrene (alpha) | 98-83-9 | NIOSH 1501 | GC/FID |
| Methyl t-Butyl Ether | 1634-04-4 | NIOSH 1615 | GC/FID |
| Methylene Bisphenyl Diisocyanate | 101-68-8 | OSHA 47 | HPLC/FL |
| Ship samples refrigerated by overnight delivery. | | | |
| Methylene Chloride | 75-09-2 | OSHA 80 | GC/FID |
| Methylene Chloride | 75-09-2 | NIOSH 1005 | GC/FID |
| 4,4-Methylene Dianiline | 101-77-9 | NIOSH 5029 | HPLC/UV |
| Mineral Spirits | 8030-30-6 | NIOSH 1550 | GC/FID |
| MOCA | 101-14-4 | OSHA 71 | GC/ECD |
| Ship refrigerated by overnight delivery. | | | |

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| Mold Spore Count & ID (Non - Viable) | N/A | Standard Microscopy | |
| See indoor Air Quality Profiles. | | | |
| Mold Spore ID (Non - Viable) Bulk | N/A | Standard Microscopy | |
| Molybdenum, Total | 7439-98-7 | NIOSH 7300 | ICP |
| MTBE | 1634-04-4 | NIOSH 1615 | GC/FID |
| N,N-Dimethylaniline | 121-69-7 | NIOSH 2002 | GC/FID |
| Naphtha, Petroleum | 8030-30-6 | NIOSH 1550 | GC/FID |
| Naphtha, VM & P | 8032-32-4 | NIOSH 1550 | GC/FID |
| Naphthalene | 91-20-3 | OSHA 35 | GC/FID |
| Naphthalene | 91-20-3 | NIOSH 1501 | GC/FID |
| Nickel | 7440-02-2 | NIOSH 7300 | ICP |
| Nicotine | 54-11-5 | NIOSH 2544 | GC/NPD |
| Nitric Oxide (NO) | 10102-43-9 | OSHA ID 190 | IC |
| Nitric Acid | 7697-37-2 | NIOSH 7903 | IC |
| Also see Inorganic Acid Profile. | | | |
| Nitrobenzene | 98-95-3 | NIOSH 2005 | GC/FID |
| Nitrogen Dioxide | 10102-44-0 | OSHA ID 182 | IC |
| Nitrogen Dioxide & Nitric Oxide | N/A | OSHA ID 182 | IC |
| n-Methyl Pyrrolidone (NMP) | 872-50-4 | NIOSH 1302 | GC/FID |
| Nuisance Dust, Respirable | N/A | NIOSH 0600 | GR |

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| Nuisance Dust, Total | N/A | NIOSH 0500 | GR |
| n-Octane | 11-65-9 | NIOSH 1500 | GC/FID |
| PAHs (PNAs) | N/A | NIOSH 5506 | HPLC/UV/FL |
| Also See PNAs Profile. | | | |
| PCBs - Vapor & Particulate | N/A | NIOSH 5503M | GC/ECD |
| Pentachlorophenol | 87-86-5 | OSHA 39 | HPLC |
| n-Pentane | 109-66-0 | NIOSH 1500 | GC/FID |
| 2-Pentanone | 107-87-9 | OSHA 07 | GC/FID |
| Perchloroethylene | 127-18-4 | NIOSH 1003 | GC/FID |
| Phenol | 108-95-2 | OSHA 32 | HPLC |
| Phenyl Ether | 101-84-8 | NIOSH 1617 | GC/FID |
| Phenyl Ether / Biphenyl Mix | 101-84-8 | NIOSH 2013 | GC/FID |
| Phenyl Glycidyl Ether | 122-60-1 | NIOSH 1619 | GC/FID |
| Phosphoric Acid | 7664-38-2 | OSHA ID 111 | IC |
| Phosphoric Acid | 7664-38-2 | NIOSH 7903 | IC |
| Also see Inorganic Acid Profile. | | | |
| Phthalic Anhydride | 85-44-9 | OSHA 90 | HPLC |
| PNAs | N/A | NIOSH 5506 | HPLC |
| Polychlorinated Biphenyls - Vapor & Particulate | N/A | NIOSH 5503 | GC/ECD |
| Polynuclear Aromatic Hydrocarbons | N/A | NIOSH 5506 | HPLC |
| See PNAs Profile. | | | |

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| Potassium & Compounds | 7440-09-7 | NIOSH 7300 | ICP |
| Potassium Hydroxide | 1310-58-3 | NIOSH 7401 | TITRA |
| n-Propyl Acetate | 109-60-4 | NIOSH 1450 | GC/FID |
| n-Propyl Alcohol | 71-23-8 | NIOSH 1401 | GC/FID |
| n-Propyl Bromide | 106-94-5 | NIOSH 1011M | GC/FID |
| Propylene Dichloride | 78-87-5 | NIOSH 1013M | GC/FID |
| Propylene Glycol | 57-55-6 | NIOSH 5523M | GC/FID |
| Also see Glycol Profile. Propylene Oxide | 75-56-9 | NIOSH 1612 | GC/FID |
| Pyrethrum | 8003-34-7 | NIOSH 5008 | HPLC |
| Pyridine | 110-86-1 | NIOSH 1613 | GC/FID |
| Refrigerant 11 | 75-69-4 | NIOSH 1006 | GC/FID |
| Refrigerant 113 | 76-13-1 | NIOSH 1020 | GC/FID |
| Refrigerant 114 | 76-14-2 | NIOSH 1018 | GC/FID |
| Refrigerant 12 | 75-71-8 | NIOSH 1018 | GC/FID |
| Refrigerant 123 | 306-83-2 | NIOSH 2516 | GC/FID |
| Refrigerant 134a | 811-97-2 | NIOSH 1016 | GC/FID |
| Refrigerant 141b | 1717-00-6 | NIOSH 2516 | GC/FID |
| Refrigerant 21 | 75-43-4 | NIOSH 2516 | GC/FID |

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| Refrigerant 22 | 75-45-6 | NIOSH 1020 | GC/FID |
| Refrigerant 43 | 138495-42-8 | NIOSH 1018 | GC/FID |
| Selenium | 7782-49-2 | NIOSH 7300 | ICP |
| Sodium | 7440-23-5 | NIOSH 7300 | ICP |
| Sodium Hydroxide | 1310-73-2 | NIOSH 7401 | TITRA |
| Stoddard Solvent | N/A | NIOSH 1550 | GC/FID |
| Strontium | 7789-06-2 | NIOSH 7300M | ICP |
| Styrene | 100-42-5 | NIOSH 1501 | GC/FID |
| Sulfates | N/A | NIOSH 6004 | IC |
| Sulfur Dioxide | 7446-09-5 | NIOSH 6004 | IC |
| Sulfuric Acid | 7664-93-9 | OSHA ID 113 | IC |
| Sulfuric Acid | 7664-93-9 | NIOSH 7903 | IC |
| Also see Inorganic Acid Profile. | | | |
| TDI, 2,4 | 584-84-9 | OSHA 42 | HPLC |
| Ship samples refrigerated by overnight delivery. | | | |
| TDI, 2,6- | 91-08-7 | OSHA 42 | HPLC |
| Ship samples refrigerated by overnight delivery. | | | |
| Tellurium | 13494-80-9 | NIOSH 7300 | ICP |
| 1,1,2,2-Tetrabromoethane | 79-27-6 | NIOSH 2003 | GC/FID |
| Tetrachloroethylene | 127-18-4 | NIOSH 1003 | GC/FID |
| Tetraethyl Lead (as Pb) | 78-00-2 | OSHA CST | ICP |

Industrial Hygiene Test

| Analyte | CAS # | Method | Technique |
|--|-----------|-------------|-----------|
| Tetraethyl Lead (as Pb) | 78-00-2 | NIOSH 2553 | GC/PID |
| 1,1,1,2-Tetrafluoroethane | 811-97-2 | NIOSH 1016M | GC/FID |
| Tetrahydrofuran | 109-99-9 | NIOSH 1609 | GC/FID |
| Thallium | 7440-28-0 | NIOSH 7300 | ICP |
| Tin | 7440-31-5 | OSHA ID 125 | ICP |
| Titanium | 7440-32-6 | OSHA ID 125 | ICP |
| Toluene | 108-88-3 | NIOSH 1501 | GC/FID |
| Toluene Diisocyanate, 2,4 | 584-84-9 | OSHA 42 | HPLC |
| Ship samples refrigerated by overnight delivery. | | | |
| Toluene Diisocyanate, 2,6 | 91-08-7 | OSHA 42 | HPLC |
| Ship samples refrigerated by overnight delivery. | | | |
| o-Toluidine | 95-53-4 | NIOSH 2002 | GC/FID |
| Total Hydrocarbons (THC) | N/A | NIOSH 1500 | GC/FID |
| Trichlorethylene | 79-01-6 | NIOSH 1022 | GC/FID |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (R113) | 76-13-1 | NIOSH 1020 | GC/FID |
| 1,1,2-Trichloroethane | 79-00-5 | NIOSH 1003 | GC/FID |
| Trichlorofluoromethane (R11) | 75-69-4 | NIOSH 1006 | GC/FID |
| Triethanolamine | 102-71-6 | OSHA CSI | GC/FID |
| Triethylamine | 121-44-8 | OSHA CSI | GC/FID |
| Triethylene Glycol | 112-27-6 | NIOSH 5523 | GC/FID |

Also see Glycol Profile.

Industrial Hygiene Test

| Analyte | CAS # | Method | Technique |
|--|------------|------------|-----------|
| Trimethyl Benzene, Total | | NIOSH 1501 | GC/FID |
| Tungsten, Total | 7440-33-7 | NIOSH 7074 | ICP |
| Turpentine | 8006-64-2 | NIOSH 1551 | GC/FID |
| Vanadium | 7440-62-2 | NIOSH 7300 | ICP |
| Vinyl Acetate | 108-05-4 | NIOSH 1453 | GC/FID |
| Ship samples refrigerated by overnight delivery. | | | |
| Vinyl Bromide | 593-60-2 | NIOSH 1009 | GC/FID |
| Vinyl Chloride | 75-01-4 | NIOSH 1007 | GC/FID |
| Ship samples refrigerated by overnight delivery. | | | |
| Vinyl Toluene | 25013-15-4 | NIOSH 1501 | GC/FID |
| Vinylidene Chloride | 75-35-4 | NIOSH 1015 | GC/FID |
| Welding Fume Particulates | N/A | NIOSH 0500 | GR |
| Wood Dust | N/A | NIOSH 0500 | GR |
| Xylenes | N/A | NIOSH 1501 | GC/FID |
| Yttrium | 7440-65-5 | NIOSH 7300 | ICP |
| Zinc | 7440-66-6 | NIOSH 7300 | ICP |
| Zinc Oxide | 1314-13-2 | NIOSH 7300 | ICP |
| Zirconium | 7440-67-7 | NIOSH 7300 | ICP |

Asbestos Profiles

| Profile | Method | Technique | Sample Media SKC Cat. No | Volume L | Flow Rate LPM | |
|-----------------------------|----------------------|-----------|-------------------------------|-------------|------------------|--|
| Asbestos - Bulk ID | EPA 600/ R-93/116 | PLM | Double Plastic Bag | 5-10 | -- | |
| Asbestos - Bulk Point Count | EPA 600/ R-93/116 | PLM | Double Plastic Bag | -- | -- | |
| Asbestos - Fiber Count | NIOSH 7400 | PCM | 25mm 0.8 micro PTFE 225-32 | 480-1000 | 0.5-16.0 | |

Indoor Air Quality

| Profile | Analyte | Sample Matrix | Method | Technique |
|-----------------------------------|---|---|---------------------|-----------|
| Asbestos | Asbestos - Bulk ID | Double Plastic Bag | EPA 600/R-93/116 | PLM |
| | Asbestos - Bulk Point Count | | EPA 600/R-93/116 | PLM |
| | Asbestos - Fiber Count | | NIOSH 7400 | PCM |
| | Asbestos - Wipe/Vacuum Wipe | | ASTM | PLM |
| Dust | Dust, Nuisance Resp. | Air | NIOSH 600 | Grav |
| | Dust, Nuisance Total | Air | NIOSH 500 | Grav |
| Formaldehyde | Formaldehyde | Air | NIOSH 2016 | HPLC |
| Mold | Mold by Agar Plate Count | Various | Viable | Count |
| | Mold by Agar Plate ID per Species | Various | Viable | Count |
| | Mold by Cassette | Air | Standard Microscopy | Count |
| | Mold by Culture (Bulk, Swab, Wipe) | Bulk, Swab, Wipe | Viable | Count |
| | Mold by Direct Exam (Tape Lift, Bulk, Swab) | Tape Lift, Bulk, Swab | Standard Microscopy | Count |
| | Yeast and Mold Count | Various | Viable | Count |
| Volatile Organic Compounds (VOCs) | 1,1,1-Trichloroethane | 1. Summa Canister 2. Thermal Desorption Tube | TO-15 | GC/MS |
| | 1,1,2,2-Tetrachloroethane | | TO-17 | GC/MS |
| | 1,1,2-Trichloro-1,2,2-trifluoroethane | | | |
| | 1,1,2-Trichloroethane | | | |
| | 1,1-Dichloroethane | | | |
| | 1,1-Dichloroethene | | | |
| | 1,2,4-Trichlorobenzene | | | |
| | 1,2,4-Trimethylbenzene | | | |
| | 1,2-Dibromoethane | | | |
| | 1,2-Dichlorobenzene | | | |
| | 1,2-Dichloroethane | | | |
| | 1,2-Dichloropropane | | | |
| | 1,2-Dichlorotetrafluoroethane | | | |
| | 1,3,5-Trimethylbenzene | | | |
| | 1,3-Dichlorobenzene | | | |
| | 1,4-Dichlorobenzene | | | |
| | Benzene | | | |
| | Bromomethane | | | |
| | Carbon Tetrachloride | | | |
| | Chlorobenzene | | | |
| | Chloroethane | | | |
| | Chloroform | | | |
| | Chloromethane | | | |
| | cis-1,2-Dichloroethene | | | |
| | cis-1,3-Dichloropropene | | | |
| | Dichlorodifluoromethane | | | |
| | Ethylbenzene | | | |
| | Hexachlorobutadiene | | | |
| | m- & p-Xylenes | | | |
| | Methylene Chloride | | | |
| | o-Xylene | | | |
| | Styrene | | | |
| | Tetrachloroethene | | | |
| Toluene | | | | |
| trans-1,3-Dichloropropene | | | | |
| Trichloroethene | | | | |
| Trichlorofluoromethane | | | | |
| Vinyl Chloride | | | | |

Inorganic Profiles

| Profile | Analyte | Sample Media SKC Cat. No | Volume Liter | Flow Rate LPM | Method | Technique |
|--------------------------------|--|---|--------------------------|------------------|-----------------|-----------|
| Inorganic Acids | Hydrobromic Acid Hydrochloric Acid Hydrofluoric Acid Nitric Acid Phosphoric Acid Sulfuric Acid | ST 226-10-03 | 100 | 0.2-0.4 | NIOSH 7903 | IC |
| Solder Metals | Arsenic Beryllium Cadmium Copper Lead Selenium Silver Thallium Tin | F/CST 225-3-01 | 480-960 | 0.2-0.4 | OSHA ID-206 | ICP |
| Trace Metals | Arsenic Beryllium Cadmium Chromium Lead Vanadium | F/CST 225-3-01 | 400 | 1.0-3.0 | NIOSH 7300 | ICP |
| Welding Fumes Metals | Aluminum, Antimony, Beryllium, Cadmium, Cobalt, Copper, Iron, Lead, Manganese, Molybdenum, Nickel, Titanium, Vanadium, Zinc and Total Particulates | F/CST 225-3-01 | 960 | 2.0 | OSHA ID-125G | ICP |
| Welding Fumes Metals (Bulk) | Aluminum, Antimony, Beryllium, Cadmium, Cobalt, Copper, Iron, Lead, Manganese, Molybdenum, Nickel, Titanium, Vanadium, Zinc | Approximately 2 grams | N/A | N/A | OSHA ID-125G | ICP |
| Welding Fumes Metals (Wipe) | Aluminum, Antimony, Beryllium, Cadmium, Cobalt, Copper, Iron, Lead, Manganese, Molybdenum, Nickel, Titanium, Vanadium, Zinc | 100 square centimeters area taken | 100sq cm or 1sq ft | N/A | OSHA ID-125G | ICP |

Organic Profiles

| Profile | Analyte | Sample Media SKC Cat. No | Volume Liter | Flow Rate LPM | Method | Technique |
|------------------------------|--|-----------------------------|-----------------|------------------|----------------|-----------|
| Aldehydes | Acetaldehyde Acrolein Benzaldehyde Butyraldehyde Formaldehyde Gutaraldehyde Isovalealdehyde Propionaldehyde | DNPH ST 226-119 | 16-30 | 0.2-1.0 | NIOSH 2016M | HPLC/UV |
| Aromatic Hydrocarbons | Benzene Chlorobenzene Cumene o-Dichlorobenzene p-Dichlorobenzene Ethyl Benzene α-Methyl Styrene Naphthalene p-tert-Butyl Toluene Styrene Toluene Vinyl Toluene Xylene | ST 226-01 | 10 | 0.1-0.5 | NIOSH 1501 | GC/FID |
| BTEX | Benzene Ethyl Benzene Toluene Xylene | ST 226-01 | 5-15 | 0.05-0.2 | NIOSH 1501 | GC/FID |
| Organochlorine Pesticides | Aldrin α-BHC β-BHC δ-BHC γ-BHC (Lindane) α-Chlordane γ-Chlordane 4,4-DDD 4,4-DDE 4,4-DDT Dieldrin Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Heptachlor Heptachlor Epoxide Methoxychlor | PUF 226-92&226-124 | 240-7200 | 1-5 | TO-10A | GC/ECD |
| Diisocyanates | HDI MDI 2,4-TDI 2,6-TDI | CF/CST 225-9002 | 15-240 | 1 | OSHA 42&47 | HPLC |

Organic Profiles

| Profile | Analyte | Sample Media SKC Cat. No | Volume Liter | Flow Rate LPM | Method | Technique |
|-----------------|--|----------------------------------|-----------------|------------------|----------------|---------------|
| Glycols | Butylene Glycol Diethylene Glycol Ethylene Glycol Propylene Glycol Triethylene Glycol | ST 226-57 | 5-60 | 0.2-2.0 | NIOSH 5523 | GC/FID |
| Organic Solvent | Acetone Benzene Butyl Acetate Chlorobenzene Cumene Cyclohexanone Decane 1,2-Dichloroethane 1,4-Dioxane Ethyl Acetate Ethyl Benzene Heptane Hexane Isooctane Methyl Ethyl Ketone Methyl Isobutyl Ketone Methylene Chloride n-Propyl Acetate Octane Pentane Perchloroethylene Styrene Toluene 1,2,4-Trimethylbenzene Xylenes | ST 226-01 | 3-10 | 0.02-0.1 | OSHA 7M | GC/FID |
| PNAs (PAHs) | Acenaphthene Acenaphthylene Anthracene Benzo(k)fluoranthene Benzo(g,h,i)perylene Benzo(a)pyrene Benzo(a)anthracene Benzo(b)fluoranthene Chrysene Dibenzo(a,h)anthracene Fluoranthene Fluorene Indeno(1,2,3-cd)pyrene Naphthalene Phenanthrene Pyrene | FLT/ST 225-17-07 226-30-04 | 200-1000 | 2 | NIOSH 5506 | HPLC UV/FL |
| PCBs | Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 | FLT/ST 226-32 226-39 | 50 | 0.05-0.2 | NIOSH 5503M | GC/ECD |

Organic Profiles

| Profile | Analyte | Sample Media SKC Cat. No | Volume Liter | Flow Rate LPM | Method | Technique |
|---------|-----------------------------|-----------------------------|-----------------|------------------|---------------|-----------|
| THC | Total Hydrocarbon as Hexane | ST 226-01 | 5-15 | 0.05-0.2 | NIOSH 1501 | GC/FID |

Terms and Abbreviations

| | | | |
|--------|---|-----|-------------------|
| AA | Atomic Absorption | SCN | Screen |
| AIHA | American Industrial Hygiene Association | ST | Sorbent Tube |
| BTEX | Benzene, Toluene, Ethyl Benzene, Xylenes | THC | Total Hydrocarbon |
| C/HLD | Filter Cassette and Cyclone Holder | TTM | Titrimetric |
| CAS # | Chemical Abstract Service Number | UV | Ultraviolet |
| CF/CST | Coated Filter in Preloaded Cassette | W | Wipe |
| CST | Filter Cassette | | |
| CYC | Cyclone | | |
| DNPH | Dinitrophenyl Hydrazine | | |
| EPA | Environmental Protection Agency | | |
| F/CST | Preloaded Filter Cassette | | |
| FID | Flame Ionization Detector | | |
| FLT | Filter | | |
| FNL | Filter Funnel | | |
| G | Glass | | |
| g | Gram | | |
| GC | Gas Chromatography | | |
| GC/ECD | Gas Chromatography/Electron Capture Detector | | |
| GC/FID | Gas Chromatography/Flame Ionization Detector | | |
| GC/NPD | Gas Chromatography/Nitrogen-Phosphorus Detector | | |
| GFAA | Graphite Furnace Atomic Absorption | | |
| GFF | Glass Fiber Filter | | |
| GR | Gravimetric | | |
| HPLC | High Performance Liquid Chromatography | | |
| IAQ | Indoor Air Quality | | |
| IC | Ion Chromatography | | |
| ICP | Inductively Coupled Plasma | | |
| IMP | Impinger | | |
| ISE | Ion Specific Electrode | | |
| L | Liter | | |
| M | Modified | | |
| MCEF | Mixed Cellulose Ester Filter | | |
| N/A | Not Applicable | | |
| NaOH | Sodium Hydroxide | | |
| NIOSH | National Institute for Occupational Safety and Health | | |
| OSHA | Occupational Safety and Health Administration | | |
| OVS | OSHA Versatile Sampler | | |
| PAHs | Polynuclear Aromatic Hydrocarbons | | |
| PCBs | Polychlorinated Biphenyls | | |
| PCM | Phase Contrast Microscopy | | |
| PID | Photoionization Detector | | |
| PLM | Polarized Light Microscopy | | |
| PNAs | Polynuclear Aromatics | | |
| POVM | Passive Organic Vapor Monitor | | |
| PTFE | Polytetrafluoroethylene Filter | | |
| PUF | PUF Cartridge | | |
| PVC | Polyvinyl Chloride Filter | | |
| PW | Pre-Weighed | | |