

AIR-SCAN COMPOUND LIST

Compounds based on EPA Method TO-17 and ISO Method 16000-6 for Thermal Desorption GC-MS.

CAS: Chemical Abstract Service number (unique identifier)

Core Quantitative Compound List

| * Compound | CAS |
|--------------------------------|------------|
| * Acetone | 67-64-1 |
| * Acetonitrile | 75-05-8 |
| * Acrylonitrile | 107-13-1 |
| * Benzene | 71-43-2 |
| * Bromobenzene | 108-86-1 |
| * Bromochloromethane | 74-97-5 |
| * Bromodichloromethane | 75-27-4 |
| * Bromoform | 75-25-2 |
| * 1,3- Butadiene | 106-99-0 |
| * tert- Butylbenzene | 98-06-6 |
| * sec- Butylbenzene | 135-98-8 |
| * n- Butylbenzene | 104-51-8 |
| * Carbon Disulfide | 75-15-0 |
| * Carbon Tetrachloride | 56-23-5 |
| * Chlorobenzene | 108-90-7 |
| * Chlorodibromomethane | 124-48-1 |
| 2- Chloroethanol | 107-07-3 |
| * Chloroform | 67-66-3 |
| Chloroprene | 126-99-8 |
| * 3- Chloropropene | 107-05-1 |
| * 2- Chlorotoluene | 95-49-8 |
| * 4- Chlorotoluene | 106-43-4 |
| * Cyclohexane | 110-82-7 |
| * 1,2- Dibromo-3-chloropropane | 96-12-8 |
| * 1,2- Dibromoethane | 106-93-4 |
| Dibromomethane | 74-95-3 |
| cis 1,4- Dichloro-2-butene | 1476-11-5 |
| trans 1,4- Dichloro-2-butene | 110-57-6 |
| * 1,3- Dichlorobenzene | 541-73-1 |
| * 1,4- Dichlorobenzene | 106-46-7 |
| * 1,2- Dichlorobenzene | 95-50-1 |
| * 1,1- Dichloroethane | 75-34-3 |
| * 1,2- Dichloroethane | 107-06-2 |
| * trans 1,2- Dichloroethene | 156-60-5 |
| * 1,1- Dichloroethene | 75-35-4 |
| * cis 1,2- Dichloroethene | 156-59-2 |
| 2,2- Dichloropropane | 594-20-7 |
| * 1,2- Dichloropropane | 78-87-5 |
| 1,3- Dichloropropane | 142-28-9 |
| 1,1- Dichloropropene | 563-58-6 |
| * trans 1,3- Dichloropropene | 10061-02-6 |
| * cis 1,3- Dichloropropene | 10061-01-5 |

Core Quantitative Compound List

| * Compound | CAS |
|--|-----------|
| Diethyl ether | 60-29-7 |
| * 1,4- Dioxane | 123-91-1 |
| Ethanol | 64-17-5 |
| Ethylacetate | 141-78-6 |
| * Ethylbenzene | 100-41-4 |
| Ethylmethacrylate | 97-63-2 |
| 4- Ethyltoluene | 622-96-8 |
| * Hexachlorobutadiene | 87-68-3 |
| * Hexane (C 6) | 110-54-3 |
| Isooctane | 540-84-1 |
| Isopropanol | 67-63-0 |
| * Isopropylbenzene | 98-82-8 |
| p- Isopropyltoluene | 99-87-6 |
| Methacrylonitrile | 126-98-7 |
| * Methyl methacrylate | 80-62-6 |
| * Methyl Tertiary Butyl Ether (MTBE) | 1634-04-4 |
| * 4- Methyl-2-pentanone | 108-10-1 |
| Methylacrylate | 96-33-3 |
| * Methylene Chloride | 75-09-2 |
| 2- Methylnaphthalene | 91-57-6 |
| * Naphthalene | 91-20-3 |
| Nitrobenzene | 98-95-3 |
| Pentachloroethane | 76-01-7 |
| Propionitrile | 107-12-0 |
| * n- Propylbenzene | 103-65-1 |
| * Styrene | 100-42-5 |
| * 1,1,1,2- Tetrachloroethane | 630-20-6 |
| * 1,1,2,2- Tetrachloroethane | 79-34-5 |
| * Tetrachloroethene | 127-18-4 |
| * Tetrahydrofuran | 109-99-9 |
| * Toluene | 108-88-3 |
| * 1,1,2- Trichloro-1,2,2-trifluoroethane | 76-13-1 |
| * 1,2,4- Trichlorobenzene | 120-82-1 |
| * 1,2,3- Trichlorobenzene | 87-61-6 |
| * 1,1,1- Trichloroethane | 71-55-6 |
| * 1,1,2- Trichloroethane | 79-00-5 |
| * Trichloroethene | 79-01-6 |
| 1,2,3- Trichloropropane | 96-18-4 |
| * 1,3,5- Trimethylbenzene | 108-67-8 |
| * 1,2,4- Trimethylbenzene | 95-63-6 |
| * m,p- Xylene | 108-38-3; |
| | 106-42-3 |
| * o- Xylene | 95-47-6 |

Notes: Some compounds may appear on more than one list.

* Indicates a NY NELAC TO-17 Certified Compound

AIR-SCAN COMPOUND LIST

Compounds based on EPA Method TO-17 and ISO Method 16000-6 for Thermal Desorption GC-MS.

CAS: Chemical Abstract Service number (unique identifier)

Semi-Quantitative Compound List

| Compound | CAS |
|------------------------------|-----------|
| Acenaphthene | 83-32-9 |
| Acenaphthylene | 208-96-8 |
| Acetaldehyde | 75-07-0 |
| Acetic Acid | 64-19-7 |
| Acetoin | 513-86-0 |
| Acetol | 116-09-6 |
| Acetone | 67-64-1 |
| Acetonitrile | 75-05-8 |
| Acetophenone | 98-86-2 |
| Acrolein | 107-02-8 |
| Acrylamide | 79-06-1 |
| Acrylonitrile | 107-13-1 |
| Allyl alcohol | 107-18-6 |
| Aniline | 62-53-3 |
| Anthracene | 120-12-7 |
| Benzaldehyde | 100-52-7 |
| Benzisothiazolone | 2634-33-5 |
| 2,3- Benzofuran | 271-89-6 |
| Benzoic acid | 65-85-0 |
| Benzonitrile | 100-47-0 |
| Benzophenone | 119-61-9 |
| p- Benzoquinone | 106-51-4 |
| Benzothiazole | 95-16-9 |
| Benzothiophene | 95-15-8 |
| Benzyl alcohol | 100-51-6 |
| Benzylchloride | 100-44-7 |
| Benzylpropionate | 122-63-4 |
| Biphenyl | 92-52-4 |
| Bisphenol A | 80-05-7 |
| 1- Borneol | 507-70-0 |
| 4- Bromo-1-butene | 5162-44-7 |
| 2- Bromo-1-chloropropane | 3017-95-6 |
| 2- Bromobutane | 78-76-2 |
| Bromochloroacetonitrile | 590-17-0 |
| 4- Bromochlorobenzene | 106-39-8 |
| 3- Bromochlorobenzene | 108-37-2 |
| 2- Bromochlorobenzene | 694-80-4 |
| Bromochlorofluoromethane | 593-98-6 |
| Bromodichlorobenzene | MI |
| 4- Bromofluorobenzene, Surr. | 460-00-4 |
| 1,3- Butadiene | 106-99-0 |
| Butanal | 123-72-8 |
| Butane (C 4) | 106-97-8 |

Semi-Quantitative Compound List

| Compound | CAS |
|---------------------------------|------------|
| 2- Butanol | 15892-23-6 |
| 1- Butanol | 71-36-3 |
| tert- Butanol | 75-65-0 |
| trans-2- Butenal | 4170-30-3 |
| 2- Butene | 107-01-7 |
| trans-2- Butene | 624-64-6 |
| 1- Butoxy-2-propanol | 5131-66-8 |
| 2- Butoxyethanol | 111-76-2 |
| Butoxyethoxyethanol | 112-34-5 |
| 2- Butoxyethylacetate | 112-07-2 |
| m-tert- Butyl phenol | 585-34-2 |
| n- Butylacetate | 123-86-4 |
| tert- Butylacetate | 540-88-5 |
| Butylacrylate | 141-32-2 |
| n- Butylamine | 109-73-9 |
| Butylated Hydroxytoluene | 128-37-0 |
| 4-tert- Butylcyclohexyl acetate | 32210-23-4 |
| di-n- Butyldisulfide | 629-45-8 |
| di-n- Butylether | 142-96-1 |
| di-tert- Butylether | 6163-66-2 |
| sec- Butylethylbenzene | 28654-79-7 |
| 2-n- Butylfuran | 4466-24-4 |
| n- Butylmercaptan | 109-79-5 |
| sec- Butylmercaptan | 513-53-1 |
| tert- Butylmercaptan | 75-66-1 |
| Butylmethacrylate | 97-88-1 |
| di-n- Butylphthalate | 84-74-2 |
| Butyric Acid | 107-92-6 |
| Camphene | 79-92-5 |
| Camphor | 76-22-2 |
| Cannabidiol (CBD) | 13956-29-1 |
| Caprolactam | 105-60-2 |
| Carbon Disulfide | 75-15-0 |
| Carbontetrabromide | 558-13-4 |
| Carbonyl Sulfide | 463-58-1 |
| 3- Carene | 13466-78-9 |
| Carvone | 99-49-0 |
| Caryophyllene | 87-44-5 |
| Catechol | 120-80-9 |
| a- Cedrene | 469-61-4 |
| Cedrol | 77-53-2 |
| 1- Chloro-1,1-difluoroethane | 75-68-3 |
| 1- Chloro-1-fluoroethene | 2317-91-1 |

Notes: Some compounds may appear on more than one list.
 Some compounds may be Semi-Volatile and require separate sampling/analysis.
 MI - compound has multiple isomers which are not differentiated, therefore, no CAS number is listed.

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Semi-Quantitative Compound List

| Compound | CAS |
|---|-------------|
| 1- Chloro-1-propene | 590-21-6 |
| 3- Chloro-2-methyl-1-propene | 563-47-3 |
| 5- Chloro-2-methyl-4-isothiazolin-3-one | 26172-55-4 |
| 1- Chloro-2-propanol | 127-00-4 |
| 1- Chloro-3,3,3-trifluoropropene | 102687-65-0 |
| Chloroaniline | MI |
| 2- Chlorobenzaldehyde | 89-98-5 |
| p- Chlorobenzenethiol | 106-54-7 |
| 3- Chlorobenzotrifluoride | 98-15-7 |
| 4- Chlorobenzotrifluoride | 98-56-6 |
| o- Chlorobenzylidene malononitrile | 2698-41-1 |
| 1- Chlorobutane | 109-69-3 |
| Chlorodifluoromethane | 75-45-6 |
| Chloroethane | 75-00-3 |
| 2- Chloroethanol | 107-07-3 |
| 2- Chloroethylvinylether | 110-75-8 |
| Chloromethane | 74-87-3 |
| p- Chlorophenol | 106-48-9 |
| Chloroprene | 126-99-8 |
| 3- Chloropropene | 107-05-1 |
| 2- Chloropropene | 557-98-2 |
| Chlorotrifluoroethene | 79-38-9 |
| Cinnamaldehyde | 14371-10-9 |
| Citral | 5392-40-5 |
| Citronellol | 106-22-9 |
| Citronellyl acetate | 150-84-5 |
| Citronellyl formate | 105-85-1 |
| Copaene | 3856-25-5 |
| p- Cresol | 106-44-5 |
| m- Cresol | 108-39-4 |
| o- Cresol | 95-48-7 |
| a- Cubebene | 17699-14-8 |
| Cyclohexane | 110-82-7 |
| Cyclohexanol | 108-93-0 |
| Cyclohexanone | 108-94-1 |
| Cyclohexene | 110-83-8 |
| Cyclohexylamine | 108-91-8 |
| N- Cyclohexylcyclohexanamine | 101-83-7 |
| N- Cyclohexyl-N-methylcyclohexanamine | 7560-83-0 |
| Cyclopentane | 287-92-3 |
| Cyclopentanone | 120-92-3 |
| Cyclopentene | 142-29-0 |
| Decahydronaphthalene | 91-17-8 |

Semi-Quantitative Compound List

| Compound | CAS |
|--------------------------------------|------------|
| Decamethyltetrasilane | 865-76-9 |
| Decamethyltetrasiloxane (L4) | 141-62-8 |
| Decanal | 112-31-2 |
| Decane (C 10) | 124-18-5 |
| Decanoic Acid | 334-48-5 |
| 2- Decanone | 693-54-9 |
| Diacetyl | 431-03-8 |
| Diallyl disulfide | 2179-57-9 |
| Diallyl sulfide | 592-88-1 |
| Diallyl tetrasulfide | 2444-49-7 |
| Diallyl trisulfide | 2050-87-5 |
| Dibenzofuran | 132-64-9 |
| 2,5- Dibromotoluene | 615-59-8 |
| 2,2- Dichloro-1,1,1-trifluoroethane | 306-83-2 |
| 1,1- Dichloro-1-fluoroethane | 1717-00-6 |
| 2,3- Dichloro-1-propene | 78-88-6 |
| trans 1,4- Dichloro-2-butene | 110-57-6 |
| cis 1,4- Dichloro-2-butene | 1476-11-5 |
| 1,1- Dichloro-2-ethenyl-cyclopropane | 694-33-7 |
| 1,3- Dichloro-2-propanol | 96-23-1 |
| Dichlorobutane | 541-33-3 |
| Dichlorodifluoromethane | 75-71-8 |
| Dichlorofluoromethane | 75-43-4 |
| 2,4- Dichlorophenol (2,4-D or DCP) | 120-83-2 |
| 1,2- Dichlorotetrafluoroethane | 76-14-2 |
| Diethyl ether | 60-29-7 |
| Diethyl fumarate | 623-91-6 |
| Diethyl maleate | 141-05-9 |
| Diethyl phthalate | 84-66-2 |
| Diethylamine | 109-89-7 |
| 1,4- Diethylbenzene | 105-05-5 |
| 1,2- Diethylbenzene | 135-01-3 |
| 1,3- Diethylbenzene | 141-93-5 |
| Diethyldisulfide | 110-81-6 |
| Diethylene glycol | 111-46-6 |
| Diethylene glycol ethyl ether | 111-90-0 |
| N,N- Diethylformamide | 617-84-5 |
| Diethyltoluamide | 134-62-3 |
| 1,1- Difluoroethane | 75-37-6 |
| 2,5- Dihydrofuran | 1708-29-8 |
| Diisopropyldisulfide | 4253-89-8 |
| 1,1- Dimethoxy-2-butene | 21962-24-3 |
| 1,2- Dimethoxyethane | 110-71-4 |

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Semi-Quantitative Compound List

| Compound | CAS |
|--|------------|
| 1,1- Dimethoxyheptane | 10032-05-0 |
| 1,1- Dimethoxyhexane | 1599-47-9 |
| Dimethoxymethane | 109-87-5 |
| 1,1- Dimethoxynonane | 18824-63-0 |
| 1,1- Dimethoxyoctane | 10022-28-3 |
| 1,2- Dimethoxypropane | 7778-85-0 |
| N,N- Dimethyl acetamide | 127-19-5 |
| Dimethyl carbonate | 616-38-6 |
| Dimethyl ether | 115-10-6 |
| Dimethyl phthalate | 131-11-3 |
| Dimethyl sulfone | 67-71-0 |
| 1,2- Dimethyl-1H-Imidazole | 1739-84-0 |
| 2,2- Dimethyl-1-pentanol | 2370-12-9 |
| 2,6- Dimethyl-4-heptanone | 108-83-8 |
| 2,6- Dimethyl-7-octen-2-ol | 18479-58-8 |
| Dimethyladipate | 627-93-0 |
| Dimethylamine | 124-40-3 |
| 2- Dimethylaminoethanol | 108-01-0 |
| bis (2- Dimethylaminoethyl)ether | 3033-62-3 |
| bis (2- Dimethylaminoethyl)methylamine | 3030-47-5 |
| 2,5- Dimethylbenzaldehyde | 5779-94-2 |
| N,N- Dimethyl-benzenamine | 121-69-7 |
| N,N- Dimethylbenzenemethanamine | 103-83-3 |
| 2,2- Dimethylbutane | 75-83-2 |
| 2,3- Dimethylbutane | 79-29-8 |
| N,N- Dimethylcyclohexanamine | 98-94-2 |
| Dimethylcyclohexane | 590-66-9 |
| Dimethyldisulfide | 624-92-0 |
| 1,1- Dimethylethoxybenzene | 6669-13-2 |
| N,N- Dimethylformamide | 68-12-2 |
| 2,4- Dimethylfuran | 3710-43-8 |
| 2,5- Dimethylfuran | 625-86-5 |
| Dimethylglutarate | 1119-40-0 |
| Dimethylhexane | MI |
| 2,4- Dimethylpentane | 108-08-7 |
| 2,3- Dimethylpentane | 565-59-3 |
| 2,4- Dimethylphenol | 105-67-9 |
| 2,3- Dimethylphenol | 526-75-0 |
| 2,5- Dimethylphenol | 95-87-4 |
| 2,2- Dimethylpropane | 463-82-1 |
| 2,5- Dimethylpyrazine | 123-32-0 |
| Dimethylsuccinate | 106-65-0 |
| Dimethylsulfide | 75-18-3 |
| Dimethyltrisulfide | 3658-80-8 |

Semi-Quantitative Compound List

| Compound | CAS |
|------------------------------------|-------------|
| 1,4- Dioxane | 123-91-1 |
| Diphenylether | 101-84-8 |
| | 110-98-5; |
| Dipropylene glycol | 106-62-7; |
| | 108-61-2 |
| | 13588-28-8; |
| Dipropylene glycol methyl ether | 34590-94-8 |
| 1,3- Di-tert-butylbenzene | 1014-60-4 |
| Dodecamethylcyclohexasiloxane (D6) | 540-97-6 |
| Dodecamethylpentasiloxane (L5) | 141-63-9 |
| Dodecanal | 112-54-9 |
| Dodecane (C 12) | 112-40-3 |
| Dodecanoic Acid | 143-07-7 |
| 1- Dodecanol | 112-53-8 |
| 1- Dodecene | 112-41-4 |
| Epichlorhydrin | 106-89-8 |
| Estragole | 140-67-0 |
| Ethanol | 64-17-5 |
| 4- Ethenyl cyclohexene | 100-40-3 |
| 2- Ethoxyethanol | 110-80-5 |
| Ethoxymethylbenzene | 539-30-0 |
| Ethyl 3-methylbutyrate | 108-64-5 |
| Ethyl lactate | 97-64-3 |
| Ethyl tertiary butyl ether | 637-92-3 |
| 2- Ethyl-1-hexanol | 104-76-7 |
| 2- Ethyl-1-hexene | 1632-16-2 |
| Ethyl-3-ethoxypropionate | 763-69-9 |
| 2- Ethyl-4-methyl-1,3-dioxolane | 4359-46-0 |
| Ethylacetate | 141-78-6 |
| Ethylacrylate | 140-88-5 |
| Ethylamine | 75-04-7 |
| Ethylbenzoate | 93-89-0 |
| Ethylbutyrate | 105-54-4 |
| Ethylcyclohexane | 1678-91-7 |
| Ethylcyclopentane | 1640-89-7 |
| Ethylene Glycol | 107-21-1 |
| Ethylene oxide | 75-21-8 |
| Ethylhexanoate | 123-66-0 |
| Ethylhexanoic acid | 149-57-5 |
| Ethylhexyl benzoate | 5444-75-7 |
| 2- Ethylhexyl salicylate | 118-60-5 |
| 2- Ethylhexylacetate | 103-09-3 |
| 2- Ethylhexylacrylate | 103-11-7 |
| Ethylmercaptan | 75-08-1 |

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Semi-Quantitative Compound List

| Compound | CAS |
|--------------------------------------|-----------|
| Ethylmethacrylate | 97-63-2 |
| 2- Ethyltoluene | 611-14-3 |
| 3- Ethyltoluene | 620-14-4 |
| 4- Ethyltoluene | 622-96-8 |
| Eucalyptol | 470-82-6 |
| Eugenol | 97-53-0 |
| Fenchol | 1632-73-1 |
| Fenchone | 4695-62-9 |
| Fluorene | 86-73-7 |
| Fluorobenzene | 462-06-6 |
| Formamide | 75-12-7 |
| Formic acid | 64-18-6 |
| n- Formylmorpholine | 4394-85-8 |
| 3- Furaldehyde | 498-60-2 |
| 2- Furaldehyde | 98-01-1 |
| Furan | 110-00-9 |
| 2- Furanmethanol | 98-00-0 |
| 2- Furyl methyl ketone | 1192-62-7 |
| Geraniol | 106-24-1 |
| Geranyl acetate | 105-87-3 |
| Glutaraldehyde | 111-30-8 |
| Glycerin | 56-81-5 |
| Heptadecane (C 17) | 629-78-7 |
| 1,1,1,2,2,3,3- Heptafluoropropane | 2252-84-8 |
| 1,1,1,2,3,3,3- Heptafluoropropane | 431-89-0 |
| Heptanal | 111-71-7 |
| Heptane (C 7) | 142-82-5 |
| Heptanoic Acid | 111-14-8 |
| 1- Heptanol | 111-70-6 |
| 3- Heptanone | 106-35-4 |
| 2- Heptanone | 110-43-0 |
| Heptylbenzene | 1078-71-3 |
| Hexachloroethane | 67-72-1 |
| Hexadecamethylheptasiloxane | 541-01-5 |
| Hexadecane (C 16) | 544-76-3 |
| 1,1,1,3,3,3- Hexafluoro-2-propanol | 920-66-1 |
| (E)-1,1,1,4,4,4- Hexafluorobut-2-ene | 407-60-3 |
| (Z)-1,1,1,4,4,4- Hexafluorobut-2-ene | 692-49-9 |
| Hexamethylcyclotrisiloxane (D3) | 541-05-9 |
| Hexamethyldisiloxane (L2) | 107-46-0 |
| Hexanal | 66-25-1 |
| Hexane (C 6) | 110-54-3 |
| 2,3- Hexanedione | 3848-24-6 |

Semi-Quantitative Compound List

| Compound | CAS |
|---------------------------------|-----------------------------|
| Hexanoic Acid | 142-62-1 |
| 1- Hexanol | 111-27-3 |
| 2- Hexanol | 626-93-7 |
| 2- Hexanone | 591-78-6 |
| 1- Hexene | 592-41-6 |
| 2- Hexene | 592-43-8 |
| 3- Hexene | 13269-52-8 |
| Hexyl cellosolve | 112-25-4 |
| Hexylene glycol | 107-41-5 |
| Homosalate | 118-56-9 |
| 4- Hydroxy-4-methyl-2-pentanone | 123-42-2 |
| Indane | 496-11-7 |
| Indene | 95-13-6 |
| Indole | 120-72-9 |
| Iodomethane | 74-88-4 |
| Isoamyl acetate | 123-92-2 |
| Isobornylacetate | 125-12-2 |
| Isobutane | 75-28-5 |
| Isobutyl acetate | 110-19-0 |
| Isobutyric Acid | 79-31-2 |
| Isocyanic Acid | 75-13-8 |
| Isoflurane | 26675-46-7 |
| Isohexadecane | 4390-04-9 |
| Isononyl acetate | 40379-24-6 or 58430-94-7 |
| Isooctane | 540-84-1 |
| Isophorone | 78-59-1 |
| Isoprene | 78-79-5 |
| Isopropanol | 67-63-0 |
| di- Isopropyl ether | 108-20-3 |
| Isopropyl myristate | 110-27-0 |
| Isopropylacetate | 108-21-4 |
| p- Isopropylbenzaldehyde | 122-03-2 |
| Isopropylmercaptan | 75-33-2 |
| 1- Isopulegol | 89-79-2 |
| Limonene | 138-86-3 or 5989-27-5 |
| Linalool | 78-70-6 |
| Linalool propionate | 144-39-8 |
| Maltol | 118-71-8 |
| Menthol | 89-78-1 or 1490-04-6 |
| Menthone | 89-80-5 |

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CAS: Chemical Abstract Service number (unique identifier)

Semi-Quantitative Compound List

| Compound | CAS |
|---|------------|
| Menthyl acetate | 89-48-5 |
| Mesityl methyl ketone | 1667-01-2 |
| Methacrylonitrile | 126-98-7 |
| Methamphetamine | 537-46-2 |
| 2- Methoxy-1-propanol | 1589-47-5 |
| Methoxy-2-propanol | 107-98-2 |
| 1- Methoxy-2-propylacetate | 108-65-6 |
| 2- Methoxy-4-(1-propenyl)-phenol | 97-54-1 |
| Methoxybenzene | 100-66-3 |
| 1- Methoxycyclohexene | 931-57-7 |
| 2- Methoxyethanol | 109-86-4 |
| 2- Methoxynaphthalene | 93-04-9 |
| 2- Methoxyphenol | 90-05-1 |
| Methyl 2-(3-oxo-2-pentylcyclopentyl)acetate | 24851-98-7 |
| Methyl allyl disulfide | 2179-58-0 |
| a- Methyl benzeneacetaldehyde | 93-53-8 |
| Methyl benzoate | 93-58-3 |
| Methyl diethylamine | 616-39-7 |
| Methyl ethyl ketone | 78-93-3 |
| Methyl formate | 107-31-3 |
| Methyl isopropyl ketone | 563-80-4 |
| Methyl mercaptan | 74-93-1 |
| Methyl methacrylate | 80-62-6 |
| Methyl salicylate | 119-36-8 |
| Methyl tertiary butyl ether | 1634-04-4 |
| Methyl thiirane | 1072-43-1 |
| Methyl vinyl ketone | 78-94-4 |
| 2- Methyl-1,3,5-hexatriene | 19264-50-7 |
| 2- Methyl-1,3-dioxolane | 497-26-7 |
| 3- Methyl-1-butanol | 123-51-3 |
| 2- Methyl-1-butanol | 137-32-6 |
| 3- Methyl-1-butene | 563-45-1 |
| 3- Methyl-1H-Indole | 83-34-1 |
| 2- Methyl-1-pentene | 763-29-1 |
| 2- Methyl-1-propanol | 78-83-1 |
| 2- Methyl-1-propene | 115-11-7 |
| 2- Methyl-2-butanol | 75-85-4 |
| 4- Methyl-2-pentanone | 108-10-1 |
| 2- Methyl-2-propenal | 78-85-3 |
| 1- Methyl-2-pyrrolidinone | 872-50-4 |
| 2- Methyl-3-buten-2-ol | 115-18-4 |
| Methyl-3-methoxypropionate | 3852-09-3 |

Semi-Quantitative Compound List

| Compound | CAS |
|--|------------|
| 4- Methyl-3-penten-2-one | 141-79-7 |
| 6- Methyl-5-hepten-2-one | 110-93-0 |
| Methylacetate | 79-20-9 |
| Methylacrylate | 96-33-3 |
| 4- Methylbenzaldehyde | 104-87-0 |
| 2- Methylbenzaldehyde | 529-20-4 |
| 3- Methylbenzaldehyde | 620-23-5 |
| 2- Methylbenzofuran | 4265-25-2 |
| Methylbiphenyl | MI |
| 3- Methylbutanal | 590-86-3 |
| 2- Methylbutanal | 96-17-3 |
| 2- Methylbutane | 78-78-4 |
| Methylbutylbenzene | MI |
| N- Methylcyclohexanamine | 100-60-7 |
| Methylcyclohexane | 108-87-2 |
| Methylcyclopentane | 96-37-7 |
| 1- Methylcyclopentene | 693-89-0 |
| 1- Methyldecahydronaphthalene | 2958-75-0 |
| 2- Methyldecahydronaphthalene | 2958-76-1 |
| 2- Methylenebutyrate | 7452-79-1 |
| Methylethylsulfide | 20333-39-5 |
| Methylethylsulfide | 624-89-5 |
| 2- Methylfuran | 534-22-5 |
| 3- Methylfuran | 930-27-8 |
| 3- Methylheptane | 589-81-1 |
| 2- Methylheptane | 592-27-8 |
| 3- Methylhexane | 589-34-4 |
| 2- Methylhexane | 591-76-4 |
| Methylisothiocyanate | 556-61-6 |
| 2- Methylmethylpropionate | 547-63-7 |
| 4- Methylmorpholine | 109-02-4 |
| N- Methyl-N-(N,N-dimethyl aminoethyl)-aminoethanol | 2212-32-0 |
| 1- Methylinaphthalene | 90-12-0 |
| Methyl-n-pentylsulfide | 72437-68-4 |
| Methyl-n-propylsulfide | 2179-60-4 |
| Methyl-n-propylsulfide | 3877-15-4 |
| 3- Methyl-octane | 2216-33-3 |
| 4- Methyl-octane | 2216-34-4 |
| 2- Methylpentane | 107-83-5 |
| 3- Methylpentane | 96-14-0 |
| 2- Methylpyridine | 109-06-8 |
| m- Methylstyrene | 100-80-1 |

Notes: Some compounds may appear on more than one list.
 Some compounds may be Semi-Volatile and require separate sampling/analysis.
 MI - compound has multiple isomers which are not differentiated, therefore, no CAS number is listed.

AIR-SCAN COMPOUND LIST

Compounds based on EPA Method TO-17 and ISO Method 16000-6 for Thermal Desorption GC-MS.
CAS: Chemical Abstract Service number (unique identifier)

Semi-Quantitative Compound List

| Compound | CAS |
|-----------------------------------|------------|
| o- Methylstyrene | 611-15-4 |
| a- Methylstyrene | 98-83-9 |
| 1- (Methylthio)-1-propene | 42848-06-6 |
| 2- Methylthiobutane | 10359-64-5 |
| Methylthiophene | 554-14-3 |
| 3- Methylthiophene | 616-44-4 |
| Morpholine | 110-91-8 |
| Myrcene | 123-35-3 |
| Neryl acetate | 141-12-8 |
| Nicotine | 54-11-5 |
| Nitromethane | 75-52-5 |
| N- Nitrosodimethylamine | 62-75-9 |
| Nonanal | 124-19-6 |
| Nonane (C 9) | 111-84-2 |
| Nonanoic Acid | 112-05-0 |
| 2- Nonanone | 821-55-6 |
| trans 2- Nonenal | 18829-56-6 |
| Norflurane | 811-97-2 |
| Octadecane (C18) | 593-45-3 |
| Octamethylcyclotetrasiloxane (D4) | 556-67-2 |
| Octamethyltrisiloxane (L3) | 107-51-7 |
| Octanal | 124-13-0 |
| Octane (C 8) | 111-65-9 |
| Octanoic Acid | 124-07-2 |
| 1- Octanol | 111-87-5 |
| 3- Octanol | 589-98-0 |
| 1- Octen-3-ol | 3391-86-4 |
| Octyl ether | 629-82-3 |
| 2,2- Oxybis(1-chloropropane) | 108-60-1 |
| Pentachloroethane | 76-01-7 |
| Pentachlorophenol | 87-86-5 |
| Pentadecane (C 15) | 629-62-9 |
| 1,3- Pentadiene | 504-60-9 |
| 1,1,1,3,3- Pentafluorobutane | 406-58-6 |
| Pentafluoroethane | 354-33-6 |
| 1,1,1,3,3- Pentafluoropropane | 460-73-1 |
| 2,2,4,6,6- Pentamethylheptane | 13475-82-6 |
| Pentamethylheptane | 30586-18-6 |
| Pentanal | 110-62-3 |
| Pentane (C 5) | 109-66-0 |
| 2,3- Pentanedione | 600-14-6 |
| Pentanoic Acid | 109-52-4 |
| 1- Pentanol | 71-41-0 |

Semi-Quantitative Compound List

| Compound | CAS |
|--|------------|
| 2- Pentanone | 107-87-9 |
| 1- Pentene | 109-67-1 |
| 2- Pentene | 109-68-2 |
| n- Pentylacetate | 628-63-7 |
| 2- Pentylfuran | 3777-69-3 |
| p-tert- Pentylphenol | 80-46-6 |
| a- Phellandrene | 99-83-2 |
| Phenanthrene | 85-01-8 |
| Phenol | 108-95-2 |
| 2- Phenoxy ethanol | 122-99-6 |
| 2- Phenoxyethylacrylate | 48145-04-6 |
| 3- Phenyl-2-propenal | 104-55-2 |
| Phenylacetaldehyde | 122-78-1 |
| 4- Phenylcyclohexene | 4994-16-5 |
| 2- Phenylethanol | 60-12-8 |
| 1- Phenylethylacetate | 93-92-5 |
| Phenylethyne | 536-74-3 |
| 2- Phenylisopropanol | 617-94-7 |
| Phenylmethylacetate | 140-11-4 |
| Phenylmethylsulfide | 100-68-5 |
| o- Phenylphenol | 90-43-7 |
| 3- Picoline | 108-99-6 |
| Pinane | 473-55-2 |
| B- Pinene | 127-91-3 |
| a- Pinene | 80-56-8 |
| Propanal | 123-38-6 |
| Propane | 74-98-6 |
| Propanoic Acid | 79-09-4 |
| 1- Propanol | 71-23-8 |
| 2- Propenyl benzene | 300-57-2 |
| p-tert- Propenylanisole | 104-46-1 |
| b- Propiolactone | 57-57-8 |
| Propionitrile | 107-12-0 |
| 2- Propoxyethanol | 2807-30-9 |
| Propyl propionate | 106-36-5 |
| n- Propylacetate | 109-60-4 |
| n- Propylamine | 107-10-8 |
| Propylcyclohexane | 1678-92-8 |
| di-n- Propyldisulfide | 629-19-6 |
| Propylene | 115-07-1 |
| Propylene Carbonate | 108-32-7 |
| Propylene glycol | 57-55-6 |
| Propylene glycol n-propyl ether (PGPE) | 1569-01-3 |

Notes: Some compounds may appear on more than one list.
Some compounds may be Semi-Volatile and require separate sampling/analysis.
MI - compound has multiple isomers which are not differentiated, therefore, no CAS number is listed.

AIR-SCAN COMPOUND LIST

Compounds based on EPA Method TO-17 and ISO Method 16000-6 for Thermal Desorption GC-MS.

CAS: Chemical Abstract Service number (unique identifier)

Semi-Quantitative Compound List

| Compound | CAS |
|--|------------|
| 2- Propylfuran | 4229-91-8 |
| n- Propylmercaptan | 107-03-9 |
| Pulegone | 89-82-7 |
| Pyrazine | 290-37-9 |
| Pyridine | 110-86-1 |
| Rose Oxide | 16409-43-1 |
| Salicylaldehyde | 90-02-8 |
| Sevoflurane | 28523-86-6 |
| Sulfolane | 126-33-0 |
| Sulfur dioxide | 7446-09-5 |
| Syringol | 91-10-1 |
| gamma- Terpinene | 99-85-4 |
| a- Terpinene | 99-86-5 |
| alpha- Terpineol | 98-55-5 |
| Terpinolene | 586-62-9 |
| a- Terpinyl acetate | 80-26-2 |
| Tetradecamethylheptasiloxane | 107-50-2 |
| Tetradecamethylhexasiloxane | 107-52-8 |
| Tetradecane (C 14) | 629-59-4 |
| 1- Tetradecanol | 112-72-1 |
| 1,3,3,3- Tetrafluoroprop-1-ene | 1645-83-6 |
| Tetrahydrocannabinol (THC) | 1972-08-3 |
| Tetrahydrofuran | 109-99-9 |
| Tetrahydrothiophene | 110-01-0 |
| 2,4,7,9- Tetramethyl-5-decyne-4,7-diol | 126-86-3 |
| Texanol-A | 74367-33-2 |
| Texanol-B | 74367-34-3 |
| Thiophene | 110-02-1 |
| Thiophenol | 108-98-5 |
| Thymol | 89-83-8 |
| Tri(2-chloroethyl) phosphate (TCEP) | 115-96-8 |
| Triacetin | 102-76-1 |
| Tributylamine | 102-82-9 |
| 1,1,2- Trichloro-1,2,2-trifluoroethane | 76-13-1 |
| Trichlorobenzene | MI |
| Trichlorofluoromethane | 75-69-4 |
| 2,4,5- Trichlorophenol | 95-95-4 |
| Tricyclene | 508-32-7 |
| Tridecane (C 13) | 629-50-5 |
| Triethylamine | 121-44-8 |
| Triethylbenzene | MI |
| Triethylene diamine | 280-57-9 |

Semi-Quantitative Compound List

| Compound | CAS |
|--|-------------|
| Triethylphosphate | 78-40-0 |
| 1,3,5- Triisopropylbenzene | 717-74-8 |
| Trimethyl Pentanyl Diisobutyrate | 6846-50-0 |
| 1,3,5- Trimethylbenzene | 108-67-8 |
| 1,2,3- Trimethylbenzene | 526-73-8 |
| 1,2,4- Trimethylbenzene | 95-63-6 |
| Trimethylcyclohexane | MI |
| 3,3,5- Trimethylcyclohexanone | 873-94-9 |
| Trimethylethylbenzene | MI |
| 2,2,4- Trimethylpentane | 540-84-1 |
| 2,3,3- Trimethylpentane | 560-21-4 |
| 2,3,4- Trimethylpentane | 565-75-3 |
| Trimethylpyrazine | 14667-55-1 |
| Trimethylsilane | 993-07-7 |
| Trimethylsilanol (TMS) | 1066-40-6 |
| | 25498-49-1; |
| Tripropylene glycol methyl ether (TPGME) | 10213-77-1; |
| | 20324-33-8 |
| Tris(1,3-dichloroisopropyl) phosphate (TDCP) | 13674-87-8 |
| Tris(1-chloro-2-propyl) phosphate (TCPP) | 13674-84-5 |
| 1,2,4- Trithiolane | 289-16-7 |
| Undecanal | 112-44-7 |
| Undecane (C 11) | 1120-21-4 |
| Undecanoic Acid | 112-37-8 |
| Urea | 57-13-6 |
| Vanillic Acid | 121-34-6 |
| Vanillin | 121-33-5 |
| Vinyl bromide | 593-60-2 |
| Vinylacetate | 108-05-4 |

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