

COMPOUNDS TO BE SAMPLED AND ANALYZED

Aldehydes

Constituent
0-tolualdehyde
2,5-dimethylbenzaldehyde
3-methylbenzaldehyde
Acetaldehyde
Benzaldehyde
Butyraldehyde
Crotonaldehyde (total)
Formaldehyde
Isovaleraldehyde
m, p-tolualdehyde
n-hexaldehyde
o-tolualdehyde
Propionaldehyde
Valeraldehyde

Ammonia

Constituent
Ammonia

Dioxins/Furans

Constituent
1,2,3,4,6,7,8,9-Octachlorodibenzofuran
1,2,3,4,6,7,8,9-Octachlorodibenzo-p- dioxin
1,2,3,4,6,7,8-Heptachlorodibenzofuran
1,2,3,4,6,7,8-Heptachlorodibenzo-p- dioxin
1,2,3,4,7,8,9-Heptachlorodibenzofuran
1,2,3,4,7,8-Hexachlorodibenzofuran
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin
1,2,3,6,7,8-Hexachlorodibenzofuran
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin
1,2,3,7,8,9-Hexachlorodibenzofuran
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin
1,2,3,7,8-Pentachlorodibenzofuran
1,2,3,7,8-Pentachlorodibenzo-p-dioxin
2,3,4,6,7,8-Hexachlorodibenzofuran
2,3,4,7,8-Pentachlorodibenzofuran
2,3,7,8-Tetrachlorodibenzofuran (TCDF)
2,3,7,8-Tetrachlorodibenzo-p-dioxin

Amines

Constituent
Butylamine and isomers
Diethylamine
Diisopropylamine
Dimethylamine
Dipropylamine
Ethylamine
Isobutylamine
Isopropylamine
Isoprpylamine
Propylamine
s-butylamine
Triethylamine
Trimethylamine

Carboxylic Acids

Constituent
2-ethylhexanoic Acid
2-ethylhexanoic acid
2-methyl Butanoic Acid
2-methylpentanoic acid
2-methylpropanoic acid
3-methylbutanoic acid
3-methylpentanoic acid
4-methylpentanoic acid
Acetic Acid
Benzoic acid
Butanoic (butyric) Acid
Cyclohexanecarboxylic acid
Heptanoic Acid
Hexanoic acid
Methyl Butanoic Acid (isovaleric acid)
Methyl Propanoic Acid
Methylpentanoic Acid isomers
Nonanoic Acid
Octanoic Acid
Pentanoic Acid
Propanoic Acid

Hydrogen Chloride

Constituent
Hydrogen Chloride

PAHs

Constituent
Acenaphthylene
Acenaphthene
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(g,h,i)perylene
Benzo(k)fluoranthene
Chrysene
Dibenz(a,h)anthracene
Fluoranthene
Fluorene
Indeno(1,2,3-cd)pyrene
Naphthalene
Phenanthrene
Pyrene

VOCs

Constituent
1,1,1-trichloroethane
1,1,2,2-tetrachloroethane
1,1,2-trichloroethane
1,1-dichloroethane
1,1-dichloroethane
1,2,4-trichlorobenzene
1,2,4-trimethylbenzene
1,2-dibromo-3-chloropropane
1,2-dibromomethane
1,2-dichloro-1,1,2,2-tetrafluoroethane
1,2-dichlorobenzene
1,2-dichloroethane
1,2-dichloropropane
1,3,5-trimethylbenzene
1,3-butadiene
1,3-dichlorobenzene
1,4-dichlorobenzene
1,4-dioxane
2-Butanone (methyl-ethyl-ketone)
2-hexanone
2-propanol
3-chloro-1-propene
4-ethyltoluene
4-methyl-2-pentanone
Acetone
Acetonitrile
Acrolein
Acrylonitrile

Hydrogen Cyanide

Constituent
Hydrogen Cyanide

Fixed Gases

Constituent
Carbon Monoxide
Hydrogen
Methane

Mercury

Constituent
Mercury (elemental)

Reduced Sulfur

Constituent
2,5-dimethylthiophene
2-ethylthiophene
3-methylthiophene
Carbon Disulfide
Carbonyl Sulfide
Diethyl Disulfide
Diethyl Sulfide
Dimethyl Disulfide
Dimethyl sulfide
Ethyl mercaptan
Ethyl methyl sulfide
Hydrogen Sulfide
Isobutyl mercaptan
Isopropyl mercaptan
Mercaptan isomers
Methyl mercaptan
n-butyl mercaptan
n-propyl mercaptan
tert-butyl mercaptan
Tetrahydrothiophene
Thiophene

Sulfur Dioxide

Constituent
Sulfur Dioxide

VOCs (Continued)

Constituent
alpha-pinene
a-pinene
Benzene
Benzyl chloride
Bromodichloromethane
Bromoform
Bromomethane
Carbon Tetrachloride
Chlorobenzene
Chloroethane
Chloroform
Chloromethane
cis-1,2-dichloroethylene
cis-1,3-dichloropropene
Cumene
Cyclohexane
Dibromochloromethane
Dichlorodifluoromethane (R12)
d-limonene
Ethanol
Ethyl acetate
Ethylbenzene
Hexachlorobutadiene
Methyl methacrylate
Methyl tert-butyl ether
Methylene chloride
n-butyl acetate
n-heptane
n-hexane
n-nonane
n-octane
n-propylbenzene
Propene
Styrene
t-butylamine
Tetrachloroethylene
Tetrahydrofuran
Toluene
trans-1,2-dichloroethylene
trans-1,3-dichloropropene
Trichloroethylene
Trichlorofluoroethane
Vinyl acetate
Vinyl Chloride
Xylenes