

## Hazardous Air Pollutant List

### By CAS Number

CAS #	Chemical Name	Volatile Organic Compound (VOC)
-	Antimony compounds	
-	Arsenic compounds	
-	Beryllium compounds	
-	Cadmium compounds	
-	Chromium compounds	
-	Cobalt compounds	
-	Coke oven emissions	YES
-	Cyanide compounds <sup>1</sup>	
-	Glycol ethers <sup>2</sup>	YES
-	Lead compounds	
-	Manganese compounds	
-	Mercury compounds	
-	Mineral Fibers <sup>3</sup>	
-	Nickel compounds	
-	Polycyclic organic matter-POM <sup>4</sup>	YES
-	Radionuclides (including radon) <sup>5</sup>	
-	Selenium compounds	
50-00-0	Formaldehyde	YES
51-28-5	2,4-Dinitrophenol	YES
51-79-6	Ethyl carbamate (Urethane)	
53-96-3	2-Acetylaminofluorine	YES
56-23-5	Carbon tetrachloride	YES
56-38-2	Parathion	YES
57-14-7	1,1-Dimethyl hydrazine	YES
57-57-8	beta-Propiolactone	YES
57-74-9	Chlordane	YES
58-89-9	Lindane (hexachlorocyclohexane, gamma)	
59-89-2	N-Nitrosomorpholine	YES
60-11-7	Dimethyl aminoazobenzene	YES
60-34-4	Methyl hydrazine	YES
60-35-5	Acetamide	YES
62-53-3	Aniline	YES
62-73-7	Dichlorvos	YES
62-75-9	N-Nitrosodimethylamine	YES
63-25-2	Carbaryl	
64-67-5	Diethyl sulfate	YES
67-56-1	Methanol	YES
67-66-3	Chloroform	YES
67-72-1	Hexachloroethane	
68-12-2	Dimethyl formamide	YES
71-43-2	Benzene	YES
71-55-6	Methyl chloroform (1,1,1-Trichloroethane)	

CAS #	Chemical Name	Volatile Organic Compound (VOC)
72-43-5	Methoxychlor	YES
72-55-9	DDE (1,1-dichloro-2,2-bis(p-chlorophenol)ethylene)	YES
74-83-9	Methyl bromide (Bromomethane)	YES
74-87-3	Methyl chloride (Chloromethane)	YES
74-88-4	Methyl iodide (Iodomethane)	YES
75-00-3	Ethyl chloride (Chloroethane)	YES
75-01-4	Vinyl chloride (Chloroethene)	YES
75-05-8	Acetonitrile	YES
75-07-0	Acetaldehyde	YES
75-09-2	Methylene chloride (Dichloromethane)	
75-15-0	Carbon disulfide	YES
75-21-8	Ethylene oxide	YES
75-25-2	Bromoform	YES
75-34-3	Ethylidene dichloride (1,1-Dichloroethane)	YES
75-35-4	Vinylidene chloride (1,1-Dichloroethylene)	YES
75-44-5	Phosgene	YES
75-55-8	1,2-Propylenimine (2-Methyl aziridine)	YES
75-56-9	Propylene oxide	YES
76-44-8	Heptachlor	YES
77-47-4	Hexachlorocyclopentadiene	YES
77-78-1	Dimethyl sulfate	YES
78-59-1	Isophorone	YES
78-87-5	Propylene dichloride (1,2-Dichloropropane)	YES
79-00-5	1,1,2-Trichloroethane	YES
79-01-6	Trichloroethylene	YES
79-06-1	Acrylamide	YES
79-10-7	Acrylic acid	YES
79-11-8	Chloroacetic acid	YES
79-34-5	1,1,2,2-Tetrachloroethane	YES
79-44-7	Dimethyl carbamoyl chloride	YES
79-46-9	2-Nitropropane	YES
80-62-6	Methyl methacrylate	YES
82-68-8	Pentachloronitrobenzene (Quintobenzene)	YES
84-74-2	Dibutylphthalate	YES
85-44-9	Phthalic anhydride	
87-68-3	Hexachloro-1,3-butadiene	YES
87-86-5	Pentachlorophenol	YES
88-06-2	2,4,6-Trichlorophenol	YES
90-04-0	o-Anisidine	YES
91-20-3	Naphthalene	YES
91-22-5	Quinoline	YES
91-94-1	3,3-Dichlorobenzidene	YES
92-52-4	Biphenyl	YES
92-67-1	4-Aminobiphenyl	YES
92-87-5	Benzidine	YES
92-93-3	4-Nitrobiphenyl	YES

CAS #	Chemical Name	Volatile Organic Compound (VOC)
94-75-7	2,4-D, salts, esters (2,4-Dichlorophenoxy acetic acid)	YES
95-47-6	o-Xylenes	YES
95-48-7	o-Cresol	YES
95-53-4	o-Toluidine	YES
95-80-7	2,4-Toluene diamine	YES
95-95-4	2,4,5-Trichlorophenol	YES
96-09-3	Styrene oxide	YES
96-12-8	1,2-Dibromo-3-chloropropane	YES
96-45-7	Ethylene thiourea	
98-07-7	Benzotrichloride	YES
98-82-8	Cumene	YES
98-86-2	Acetophenone	YES
98-95-3	Nitrobenzene	YES
100-02-7	4-Nitrophenol	YES
100-41-4	Ethyl benzene	YES
100-42-5	Styrene	YES
100-44-7	Benzyl chloride	YES
101-14-4	4,4-Methylenebis (2-chloroaniline)	
101-68-8	Methylene diphenyl diisocyanate	
101-77-9	4,4'-Methylenedianiline	
106-42-3	p-Xylenes	YES
106-44-5	p-Cresol	YES
106-46-7	1,4-Dichlorobenzene(p)	YES
106-50-3	p-Phenylenediamine	YES
106-51-4	Quinone	YES
106-88-7	1,2-Epoxybutane (1,2-Butylene oxide)	YES
106-89-8	Epichlorohydrin	YES
106-93-4	Ethylene dibromide (1, 2-Dibromoethane)	YES
106-99-0	1,3-Butadiene	YES
107-02-8	Acrolein	YES
107-05-1	Allyl chloride	YES
107-06-2	Ethylene dichloride (1,2-Dichloroethane)	YES
107-13-1	Acrylonitrile	YES
107-21-1	Ethylene glycol	YES
107-30-2	Chloromethyl methyl ether	YES
108-05-4	Vinyl acetate	YES
108-10-1	Methyl isobutyl ketone	YES
108-31-6	Maleic anhydride	
108-38-3	m-Xylenes	YES
108-39-4	m-Cresol	YES
108-88-3	Toluene	YES
108-90-7	Chlorobenzene	YES
108-95-2	Phenol	YES
110-54-3	Hexane	YES
111-42-2	Diethanolamine	YES
111-44-4	Dichloroethyl ether (Bis(2-chloroethyl)ether)	YES

CAS #	Chemical Name	Volatile Organic Compound (VOC)
114-26-1	Propoxur (Baygone)	
117-81-7	Bis(2-ethylhexyl)phthalate (DEHP)	YES
118-74-1	Hexachlorobenzene	
119-90-4	3,3'-Dimethoxybenzidine	YES
119-93-7	3,3'-Dimethyl benzidine	YES
120-80-9	Catechol	YES
120-82-1	1,2,4-Trichlorobenzene	YES
121-14-2	2,4-Dinitrotoluene	YES
121-44-8	Triethylamine	YES
121-69-7	N,N-Dimethylaniline	YES
122-66-7	1,2-Diphenylhydrazine	YES
123-31-9	Hydroquinone	YES
123-38-6	Propionaldehyde	YES
123-91-1	1,4-Dioxane (1,4-Diethyleneoxide)	YES
126-99-8	Chloroprene	YES
127-18-4	Tetrachloroethylene (Perchloroethylene)	
131-11-3	Dimethyl phthalate	YES
132-64-9	Dibenzofuran	
133-06-2	Captan	
133-90-4	Chloramben	
140-88-5	Ethyl acrylate	YES
151-56-4	Ethylene imine (Aziridine)	YES
156-62-7	Calcium cyanamide	
302-01-2	Hydrazine	
334-88-3	Diazomethane	YES
463-58-1	Carbonyl sulfide	YES
510-15-6	Chlorobenzilate	YES
532-27-4	2-Chloroacetophenone	YES
534-52-1	4,6-Dinitro-o-cresol, and salts	
540-84-1	2,2,4-Trimethylpentane	YES
542-75-6	1,3-Dichloropropene	YES
542-88-1	Bis(chloromethyl)ether	YES
584-84-9	2,4-Toluene diisocyanate	YES
593-60-2	Vinyl bromide (bromoethene)	YES
624-83-9	Methyl isocyanate	YES
680-31-9	Hexamethylphosphoramide	
684-93-5	N-Nitroso-N-methylurea	YES
822-06-0	Hexamethylene,-1,6-diisocyanate	
1120-71-4	1,3-Propane sultone	
1319-77-3	Cresols/Cresylic acid (mixed isomers)	YES
1330-20-7	Xylenes (mixed isomers)	YES
1332-21-4	Asbestos (friable)	
1336-36-3	Polychlorinated biphenyls (PCBs) (Aroclors)	YES
1582-09-8	Trifluralin	
1634-04-4	Methyl tert-butyl ether (MTBE)	YES
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	

CAS #	Chemical Name	Volatile Organic Compound (VOC)
7550-45-0	Titanium tetrachloride	
7647-01-0	Hydrochloric acid	
7664-39-3	Hydrogen fluoride	
7723-14-0	Phosphorous	
7782-50-5	Chlorine	
7803-51-2	Phosphine	
8001-35-2	Toxaphene (chlorinated camphene)	

### Hazardous Air Pollutant List Alphabetically by Chemical Name

CAS #	Chemical Name	Volatile Organic Compound (VOC)
79-34-5	1,1,2,2-Tetrachloroethane	YES
79-00-5	1,1,2-Trichloroethane	YES
57-14-7	1,1-Dimethyl hydrazine	YES
120-82-1	1,2,4-Trichlorobenzene	YES
96-12-8	1,2-Dibromo-3-chloropropane	YES
122-66-7	1,2-Diphenylhydrazine	YES
106-88-7	1,2-Epoxybutane (1,2-Butylene oxide)	YES
75-55-8	1,2-Propylenimine (2-Methyl aziridine)	YES
106-99-0	1,3-Butadiene	YES
542-75-6	1,3-Dichloropropene	YES
1120-71-4	1,3-Propane sultone	
106-46-7	1,4-Dichlorobenzene(p)	YES
123-91-1	1,4-Dioxane (1,4-Diethyleneoxide)	YES
540-84-1	2,2,4-Trimethylpentane	YES
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	
95-95-4	2,4,5-Trichlorophenol	YES
88-06-2	2,4,6-Trichlorophenol	YES
94-75-7	2,4-D, salts, esters (2,4-Dichlorophenoxy acetic acid)	YES
51-28-5	2,4-Dinitrophenol	YES
121-14-2	2,4-Dinitrotoluene	YES
95-80-7	2,4-Toluene diamine	YES
584-84-9	2,4-Toluene diisocyanate	YES
53-96-3	2-Acetylaminofluorine	YES
532-27-4	2-Chloroacetophenone	YES
79-46-9	2-Nitropropane	YES
91-94-1	3,3-Dichlorobenzidene	YES
119-90-4	3,3'-Dimethoxybenzidine	YES
119-93-7	3,3'-Dimethyl benzidine	YES
101-14-4	4,4-Methylenebis (2-chloroaniline)	
101-77-9	4,4'-Methylenedianiline	

CAS #	Chemical Name	Volatile Organic Compound (VOC)
534-52-1	4,6-Dinitro-o-cresol, and salts	
92-67-1	4-Aminobiphenyl	YES
92-93-3	4-Nitrobiphenyl	YES
100-02-7	4-Nitrophenol	YES
75-07-0	Acetaldehyde	YES
60-35-5	Acetamide	YES
75-05-8	Acetonitrile	YES
98-86-2	Acetophenone	YES
107-02-8	Acrolein	YES
79-06-1	Acrylamide	YES
79-10-7	Acrylic acid	YES
107-13-1	Acrylonitrile	YES
107-05-1	Allyl chloride	YES
62-53-3	Aniline	YES
-	Antimony compounds	
-	Arsenic compounds	
1332-21-4	Asbestos (friable)	
71-43-2	Benzene	YES
92-87-5	Benzidine	YES
98-07-7	Benzotrichloride	YES
100-44-7	Benzyl chloride	YES
-	Beryllium compounds	
57-57-8	beta-Propiolactone	YES
92-52-4	Biphenyl	YES
117-81-7	Bis(2-ethylhexyl)phthalate (DEHP)	YES
542-88-1	Bis(chloromethyl)ether	YES
75-25-2	Bromoform	YES
-	Cadmium compounds	
156-62-7	Calcium cyanamide	
133-06-2	Captan	
63-25-2	Carbaryl	
75-15-0	Carbon disulfide	YES
56-23-5	Carbon tetrachloride	YES
463-58-1	Carbonyl sulfide	YES
120-80-9	Catechol	YES
133-90-4	Chloramben	
57-74-9	Chlordane	YES
7782-50-5	Chlorine	
79-11-8	Chloroacetic acid	YES
108-90-7	Chlorobenzene	YES
510-15-6	Chlorobenzilate	YES
67-66-3	Chloroform	YES
107-30-2	Chloromethyl methyl ether	YES
126-99-8	Chloroprene	YES
-	Chromium compounds	
-	Cobalt compounds	

CAS #	Chemical Name	Volatile Organic Compound (VOC)
-	Coke oven emissions	YES
1319-77-3	Cresols/Cresylic acid (mixed isomers)	YES
98-82-8	Cumene	YES
-	Cyanide compounds <sup>1</sup>	
72-55-9	DDE (1,1-dichloro-2,2-bis(p-chlorophenol)ethylene)	YES
334-88-3	Diazomethane	YES
132-64-9	Dibenzofuran	
84-74-2	Dibutylphthalate	YES
111-44-4	Dichloroethyl ether (Bis(2-chloroethyl)ether)	YES
62-73-7	Dichlorvos	YES
111-42-2	Diethanolamine	YES
64-67-5	Diethyl sulfate	YES
60-11-7	Dimethyl aminoazobenzene	YES
79-44-7	Dimethyl carbamoyl chloride	YES
68-12-2	Dimethyl formamide	YES
131-11-3	Dimethyl phthalate	YES
77-78-1	Dimethyl sulfate	YES
106-89-8	Epichlorohydrin	YES
140-88-5	Ethyl acrylate	YES
100-41-4	Ethyl benzene	YES
51-79-6	Ethyl carbamate (Urethane)	
75-00-3	Ethyl chloride (Chloroethane)	YES
106-93-4	Ethylene dibromide (1, 2-Dibromoethane)	YES
107-06-2	Ethylene dichloride (1,2-Dichloroethane)	YES
107-21-1	Ethylene glycol	YES
151-56-4	Ethylene imine (Aziridine)	YES
75-21-8	Ethylene oxide	YES
96-45-7	Ethylene thiourea	
75-34-3	Ethylidene dichloride (1,1-Dichloroethane)	YES
50-00-0	Formaldehyde	YES
-	Glycol ethers <sup>2</sup>	YES
76-44-8	Heptachlor	YES
87-68-3	Hexachloro-1,3-butadiene	YES
118-74-1	Hexachlorobenzene	
77-47-4	Hexachlorocyclopentadiene	YES
67-72-1	Hexachloroethane	
822-06-0	Hexamethylene,-1,6-diisocyanate	
680-31-9	Hexamethylphosphoramide	
110-54-3	Hexane	YES
302-01-2	Hydrazine	
7647-01-0	Hydrochloric acid	
7664-39-3	Hydrogen fluoride	
123-31-9	Hydroquinone	YES
78-59-1	Isophorone	YES
-	Lead compounds	
58-89-9	Lindane (hexachlorcyclohexane, gamma)	

CAS #	Chemical Name	Volatile Organic Compound (VOC)
108-31-6	Maleic anhydride	
-	Manganese compounds	
108-39-4	m-Cresol	YES
-	Mercury compounds	
67-56-1	Methanol	YES
72-43-5	Methoxychlor	YES
74-83-9	Methyl bromide (Bromomethane)	YES
74-87-3	Methyl chloride (Chloromethane)	YES
71-55-6	Methyl chloroform (1,1,1-Trichloroethane)	
60-34-4	Methyl hydrazine	YES
74-88-4	Methyl iodide (Iodomethane)	YES
108-10-1	Methyl isobutyl ketone	YES
624-83-9	Methyl isocyanate	YES
80-62-6	Methyl methacrylate	YES
1634-04-4	Methyl tert-butyl ether (MTBE)	YES
75-09-2	Methylene chloride (Dichloromethane)	
101-68-8	Methylene diphenyl diisocyanate	
-	Mineral Fibers <sup>3</sup>	
108-38-3	m-Xylenes	YES
121-69-7	N,N-Dimethylaniline	YES
91-20-3	Naphthalene	YES
-	Nickel compounds	
98-95-3	Nitrobenzene	YES
62-75-9	N-Nitrosodimethylamine	YES
59-89-2	N-Nitrosomorpholine	YES
684-93-5	N-Nitroso-N-methylurea	YES
90-04-0	o-Anisidine	YES
95-48-7	o-Cresol	YES
95-53-4	o-Toluidine	YES
95-47-6	o-Xylenes	YES
56-38-2	Parathion	YES
106-44-5	p-Cresol	YES
82-68-8	Pentachloronitrobenzene (Quintobenzene)	YES
87-86-5	Pentachlorophenol	YES
108-95-2	Phenol	YES
75-44-5	Phosgene	YES
7803-51-2	Phosphine	
7723-14-0	Phosphorous	
85-44-9	Phthalic anhydride	
1336-36-3	Polychlorinated biphenyls (PCBs) (Aroclors)	YES
-	Polycyclic organic matter-POM <sup>4</sup>	YES
106-50-3	p-Phenylenediamine	YES
123-38-6	Propionaldehyde	YES
114-26-1	Propoxur (Baygone)	
78-87-5	Propylene dichloride (1,2-Dichloropropane)	YES
75-56-9	Propylene oxide	YES



CAS #	Chemical Name	Volatile Organic Compound (VOC)
106-42-3	p-Xylenes	YES
91-22-5	Quinoline	YES
106-51-4	Quinone	YES
-	Radionuclides (including radon) <sup>5</sup>	
-	Selenium compounds	
100-42-5	Styrene	YES
96-09-3	Styrene oxide	YES
127-18-4	Tetrachloroethylene (Perchloroethylene)	
7550-45-0	Titanium tetrachloride	
108-88-3	Toluene	YES
8001-35-2	Toxaphene (chlorinated camphene)	
79-01-6	Trichloroethylene	YES
121-44-8	Triethylamine	YES
1582-09-8	Trifluralin	
108-05-4	Vinyl acetate	YES
593-60-2	Vinyl bromide (bromoethene)	YES
75-01-4	Vinyl chloride (Choroethene)	YES
75-35-4	Vinylidene chloride (1,1-Dichloroethylene)	YES
1330-20-7	Xylenes (mixed isomers)	YES

<sup>1</sup> XCN where X=H or any other group where a formal dissociation may occur.

<sup>2</sup> Includes mono- and di- ethers of ethylene glycol, diethylene glycol, and triethylene glycol  
R-(OCH<sub>2</sub>CH<sub>2</sub>)<sub>n</sub>-OR' where n = 1, 2, or 3; R = alkyl or aryl groups; and R' = R, H, or groups which, when removed, yield glycol ethers with the structure: R-(OCH<sub>2</sub>CH<sub>2</sub>)<sub>n</sub>-OH  
Polymers are excluded from the glycol category.

\*\* Ethylene glycol monobutyl ether is excluded from this category (delisted from Title 129 5/5/05).

<sup>3</sup> Includes glass microfibers, glass wool fibers, rock wool fibers, and slag wool fibers, each characterized as "respirable" (fiber diameter < 3.5 micrometers) and possessing an aspect ratio (fiber length divided by fiber diameter) > 3

<sup>4</sup> Includes organic compounds with more than one benzene ring, and which have a boiling point greater than or equal to 100° C

<sup>5</sup> A type of atom which spontaneously undergoes radioactive decay

\*\* 78-93-3 - Methyl ethyl ketone (2-Butanone) delisted from Title 129 12/14/06.