

## Appendix A

Table A – List of Toxic Air Contaminants

Table B – List of Toxic Air Contaminants for which further review was deferred  
after the initial ranking

**Table A -- All Toxic Air Contaminants**

Acetaldehyde
Acetamide
Acetonitrile
Acetophenone
2-Acetylaminofluorene
Acrolein
Acrylamide
Acrylic acid
Acrylonitrile
Allyl chloride
4-Aminobiphenyl
Aniline
o-Anisidine
Antimony compounds
Arsenic compounds (inorganic, including arsine)
Asbestos
Benzene
Benzidine
Benzotrichloride
Benzyl chloride
Beryllium compounds
Biphenyl
Bis(chloromethyl)ether
Bis(2-ethylhexyl)phthalate (DEHP)
Bromoform
1,3-Butadiene
Cadmium and cadmium compounds
Calcium cyanamide
Caprolactam
Captan
Carbaryl
Carbon disulfide
Carbon tetrachloride
Carbonyl sulfide
Catechol
Chloramben
Chlordane
Chlorinated dibenzo-p-dioxins and dibenzofurans (including 2,3,7,8-tetrachlorodibenzo-p-dioxin)
Chlorine
Chloroacetic acid
2-Chloroacetophenone

**Table A -- All Toxic Air Contaminants (continued)**

Chlorobenzene
Chlorobenzilate
Chloroform
Chloromethyl methyl ether
Chloroprene
Chromium and compounds (trivalent)
Chromium VI
Cobalt compounds
Coke oven emissions
Cresols/Cresylic acid (isomers/mixtures)
Cumene
Cyanide compounds
2,4-D, salts and esters
DDE (p,p-Dichlorodiphenyldichloroethylene)
Diazomethane
Dibenzofuran
1,2-Dibromo-3-chloropropane (DBCP)
Dibutylphthalate
1,4-Dichlorobenzene (p-Dichlorobenzene)
3,3'-Dichlorobenzidene
Dichloroethyl ether (Bis(2-chloroethyl)ether)
1,3-Dichloropropene (Telone)
Dichlorvos (DDVP)
Diethanolamine
Diethyl sulfate
3,3'-Dimethoxybenzidine
4-Dimethyl aminoazobenzene
N,N-Dimethylaniline
3,3'-Dimethyl benzidine
Dimethyl carbamoyl chloride
Dimethyl formamide
1,1-Dimethyl hydrazine
Dimethyl phthalate
Dimethyl sulfate
4,6-Dinitro-o-cresol, and salts
2,4-Dinitrophenol
2,4-Dinitrotoluene
1,4-Dioxane (1,4-Diethyleneoxide)
1,2-Diphenylhydrazine
Epichlorohydrin (1-Chloro-2,3-epoxypropane)
1,2-Epoxybutane

**Table A -- All Toxic Air Contaminants (continued)**

Ethyl acrylate
Ethyl benzene
Ethyl carbamate (Urethane)
Ethyl chloride (Chloroethane)
Ethylene dibromide (Dibromoethane)
Ethylene dichloride (1,2-Dichloroethane)
Ethylene glycol
Ethylene imine (Aziridine)
Ethylene oxide
Ethylene thiourea
Ethylidene dichloride (1,1-Dichloroethane)
Fine Mineral Fibers
Formaldehyde
Glycol ethers
Heptachlor
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexachloroethane
Hexamethylene-1,6-diisocyanate
Hexamethylphosphoramide
Hexane (n-)
Hydrazine
Hydrochloric acid
Hydrogen fluoride (Hydrofluoric acid)
Hydroquinone
Isophorone
Lead and compounds (elemental, inorganic, organic)
Lindane (all isomers)
Maleic anhydride
Manganese and compounds
Mercury and compounds
Methanol
Methoxychlor
Methyl bromide (Bromomethane)
Methyl chloride (Chloromethane)
Methyl chloroform (1,1,1-Trichloroethane)
Methyl ethyl ketone (2-Butanone)
Methyl hydrazine
Methyl iodide ((Iodomethane)
Methyl isobutyl ketone (Hexone)
Methyl isocyanate

**Table A -- All Toxic Air Contaminants (continued)**

Methyl methacrylate
Methyl tert-butyl ether (MTBE)
4,4'-Methylene bis(2-chloroaniline) (MOCA)
Methylene chloride (Dichloromethane)
4,4'-Methylenedianiline
Methylene diphenyl diisocyanate
Naphthalene
Nickel and compounds
Nitrobenzene
4-Nitrobiphenyl
4-Nitrophenol
2-Nitropropane
N-Nitrosodimethylamine
N-Nitrosomorpholine
N-Nitroso-N-methylurea
Parathion
Particulate emissions from diesel-fueled engines
Pentachloronitrobenzene (Quintozene)
Pentachlorophenol
Phenol
p-Phenylenediamine
Phosgene
Phosphine
Phosphorus
Phthalic anhydride
Polychlorinated biphenyls (PCBs)
Polycyclic organic matter (POM, includes Polycyclic Aromatic Hydrocarbons [PAHs] and Benzo[a]pyrene)
beta-Propiolactone
1,3-Propane sultone
Propionaldehyde
Propoxur (Baygon)
Propylene dichloride (1,2 Dichloropropane)
Propylene oxide
1,2-Propylenimine (2-Methyl aziridine)
Quinoline
Quinone
Radionuclides (including radon)
Selenium and compounds (including hydrogen selenide)
Styrene
Styrene oxide
1,1,2,2-Tetrachloroethane

**Table A -- All Toxic Air Contaminants (continued)**

Tetrachloroethylene (Perchloroethylene)
Titanium tetrachloride
Toluene
2,4-Toluene diisocyanate
2,4-Toluenediamine (2,4-Diaminotoluene)
o-Toluidine
Toxaphene (chlorinated camphene)
1,2,4-Trichlorobenzene
1,1,2-Trichloroethane (Vinyl trichloride)
Trichloroethylene
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol
Triethylamine
Trifluralin
2,2,4-Trimethylpentane
Vinyl acetate
Vinyl bromide
Vinyl chloride
Vinylidene chloride (1,1-Dichloroethylene)
Xylenes (isomers and mixtures)

**Table B – List of Toxic Air Contaminants for which further review was deferred after the initial ranking, due to no cRELs, cancer potency factors or inadequate ambient air level data, and no other obvious reason for concern for differential effects from airborne exposure based on known toxicity. N = no data available**

Compound	Ambient Data (ng/m <sup>3</sup> )	California Cancer Unit Risk Factor	Acute REL	Chronic REL
Acetamide	N	2×10 <sup>-5</sup>	N	N
Acetonitrile	50	N	N	N
Acetophenone	150	N	N	N
2-Acetylaminofluorene	N	1.3×10 <sup>-3</sup>	N	N
Acrylic acid	N	N	N	N
Allyl chloride	N	6×10 <sup>-6</sup>	N	N
4-Aminobiphenyl	N	6×10 <sup>-3</sup>	N	N
o-Anisidine	N	4×10 <sup>-5</sup>	N	N
Antimony compounds	2.8	N	N	N
Benzotrichloride	N	N	N	N
Biphenyl	N	N	N	N
Bis(chloromethyl)ether	N	1.3×10 <sup>-2</sup>	N	N
Bromoform	2300	N	N	N
Calcium cyanamide	N	N	N	N
Caprolactam	N	N	N	N
Captan	N	6.7×10 <sup>-7</sup>	N	N
Carbaryl	N	N	N	N
Carbonyl sulfide	1200	N	N	N
Catechol	N	N	N	N
Chloramben	N	N	N	N
Chloroacetic acid	N	N	N	N
2-Chloroacetophenone	N	N	N	N
Chlorobenzilate	N	N	N	N
Chloromethyl methyl ether	N	6.9×10 <sup>-4</sup>	N	N
Chromium compounds (trivalent)	3.9	N	N	N
Cobalt compounds	8	N	N	N
Coke oven emissions	N	6.2×10 <sup>-4</sup>	N	N
Cumene	N	N	N	N
Cyanide compounds	N	N	N	N
2,4-D, salts and esters	N	N	N	N
Diazomethane	N	N	N	N
Dibenzofuran	N	N	N	N

**Table B – List of Toxic Air Contaminants for which further review was deferred after the initial ranking (continued)**

	Ambient Data (ng/m <sup>3</sup> )	California Cancer Unit Risk Factor	Acute REL	Chronic REL
Dibutylphthalate	1300	N	N	N
3,3'-Dichlorobenzidene	N	3.4×10 <sup>-4</sup>	N	N
Dichloroethyl ether (Bis(2-chloroethyl)ether)	N	7.1×10 <sup>-6</sup>	N	N
1,3-Dichloropropene (Telone)	N	1.6×10 <sup>-5</sup>	N	N
Diethanolamine	N	N	N	N
Diethyl sulfate	N	N	N	N
3,3'-Dimethoxybenzidine	N	N	N	N
Dimethyl aminoazobenzene	N	1.3×10 <sup>-3</sup>	N	N
N,N-Dimethylaniline	N	N	N	N
3,3'-Dimethyl benzidine	N	N	N	N
Dimethyl carbamoyl chloride	N	3.7×10 <sup>-3</sup>	N	N
Dimethyl formamide	9800	N	N	N
1,1-Dimethyl hydrazine	N	4.9×10 <sup>-4</sup>	N	N
Dimethyl phthalate	N	N	N	N
4,6-Dinitro- <i>o</i> -cresol, and salts	N	N	N	N
2,4-Dinitrophenol	N	N	N	N
2,4-Dinitrotoluene	N	8.9×10 <sup>-5</sup>	N	N
1,2-Diphenylhydrazine	N	N	N	N
1,2-Epoxybutane	N	N	N	N
Ethyl benzene	1610	N	N	N
Ethyl carbamate (Urethane)	N	2.9×10 <sup>-4</sup>	N	N
Ethylene glycol	N	N	N	N
Ethylene imine (Aziridine)	N	1.9×10 <sup>-2</sup>	N	N
Ethylene thiourea	N	1.3×10 <sup>-5</sup>	N	N
Fine Mineral Fibers	N	N	N	N
Hexachlorobutadiene	N	N	N	N
Hexamethylene-1,6-diisocyanate	N	N	N	N
Hexamethylphosphoramide	N	N	N	N
Hydroquinone	N	N	N	N
Isophorone	N	N	N	N
Methoxychlor	0.1	N	N	N
Methyl chloride (Chloromethane)	1550	N	N	N
Methyl hydrazine	N	N	N	N
Methyl iodide ((Iodomethane)	55.9	N	N	N
Methyl isobutyl ketone (Hexone)	N	N	N	N
Methyl tert-butyl ether (MTBE)	N	2.6 x 10 <sup>-7</sup>	N	N



**Table B – List of Toxic Air Contaminants for which further review was deferred after the initial ranking (continued)**

	Ambient Data (ng/m <sup>3</sup> )	California Cancer Unit Risk Factor	Acute REL	Chronic REL
4,4'-Methylene bis(2-chloroaniline) (MOCA)	N	4.3×10 <sup>-4</sup>	N	N
4-Nitrobiphenyl	6	N	N	N
4-Nitrophenol	N	N	N	N
N-Nitrosomorpholine	N	1.9×10 <sup>-3</sup>	N	N
N-Nitroso-N-methylurea	N	3.4×10 <sup>-2</sup>	N	N
Parathion	N	N	N	N
Pentachloronitrobenzene (Quintobenzene)	N	N	N	N
Phosgene	N	N	12	N
Phosphorus		N	N	N
p-Phenylenediamine	N	N	N	N
1,3-Propane sultone	N	6.9×10 <sup>-4</sup>	N	N
beta-Propiolactone	N	4×10 <sup>-3</sup>	N	N
Propionaldehyde	10,000	N	N	N
Propoxur (Baygon)	2.5	N	N	N
1,2-Propylenimine (2-Methyl aziridine)	N	N	N	N
Quinoline	340	N	N	N
Quinone	N	N	N	N
Radionuclides (including radon)	N	N	N	N
Styrene oxide	N	4.6×10 <sup>-5</sup>	N	N
Titanium tetrachloride	N	N	N	N
2,4-Toluenediamine (2,4- Diaminotoluene)	N	1.1×10 <sup>-3</sup>	N	N
o-Toluidine	N	5.1×10 <sup>-5</sup>	N	N
Toxaphene (chlorinated camphene)	N	3.4×10 <sup>-4</sup>	N	N
1,2,4-Trichlorobenzene	1300	N	N	N
2,4,5-Trichlorophenol	200	N	N	N
Triethylamine	3400	N	N	N
Trifluralin	0.27	N	N	N
2,2,4-Trimethylpentane	2200	N	N	N
Vinyl acetate	N	N	N	N
Vinyl bromide	N	N	N	N