

<b>Listed Toxic Air Contaminants and Common Chemicals</b> <i>(sorted by CASNO)</i>		
<b>CAS #</b>	<b>CHEMICAL NAME</b>	<b>Listed Air Toxic</b>
230	Glycol ethers	Y
50000	Formaldehyde	Y
51285	2,4-Dinitrophenol	Y
51796	Ethyl carbamate (Urethane)	Y
53963	2-Acetylaminofluorene	Y
55185	N-Nitrosodiethylamine	Y
56235	Carbon tetrachloride	Y
56382	Parathion	Y
57147	1,1-Dimethyl hyrazine	Y
57556	Propylene glycol	N
57578	beta-Propiolactone	Y
57749	Chlordane	Y
58899	gamma-Hexachlorocyclohexane (Lindane)	Y
59892	N-Nitrosomorpholine	Y
60177	p-Dimethyl aminoazobenzene	Y
60344	Methyl hydrazine	Y
60355	Acetamide	Y
60571	Dieldrin	Y
62533	Aniline	Y
62555	Thioacetamide	Y
62737	Dichlorvos	Y
62759	N-Nitrosodimethylamine	Y
63252	Carbaryl	Y
64175	Ethanol	N
64186	Formic Acid	N
64197	Acetic Acid	N
64675	Diethyl sulfate	Y
65850	Benzoic acid	Y
67561	Methanol	Y
67630	Isopropanol	Y
67641	Acetone	Y
67663	Chloroform	Y
67721	Hexachloroethane	Y

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68122	Dimethyl formamide	Y
71238	N-Propyl Alcohol	N
71363	N-Butyl alcohol	N
71432	Benzene	Y
71556	Methyl chloroform (1,1,1-Trichloroethane)	Y
72435	Methoxychlor	Y
74839	Methyl bromide (Bromomethane)	Y
74873	Chloromethane (Methyl Chloride)	N
74873	Methyl chloride (Chloromethane)	Y
74884	Methyl iodide (Iodomethane)	Y
74908	Hydrogen cyanide	Y
75003	Ethyl chloride (Chloroethane)	Y
75014	Vinyl chloride	Y
75058	Acetonitrile	Y
75070	Acetaldehyde	Y
75092	Methylene chloride (Dichloromethane)	Y
75150	Carbon disulfide	Y
75218	Ethylene oxide	Y
75252	Bromoform	Y
75274	Bromodichloromethane	Y
75343	Ethylidene dichloride (1,1-Dichloroethane)	Y
75354	Vinylidene chloride (1,1-Dichloroethylene)	Y
75376	1,1-Difluoroethane (HCFC 152a)	Y
75445	Phosgene	Y
75456	Chlorodifluoromethane (HCFC-22)	Y
75558	1,2-Propylenimine (2-Methyl aziridine)	Y
75569	Propylene oxide	Y
75683	1-Chloro-1,1-difluoroethane (CFC 142B)	Y
75694	Trichlorofluoromethane	Y

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76062	Chloropicrin	Y
76131	Chlorinated Fluorocarbon (Freons)	N
76448	Heptachlor	Y
77474	Hexachlorocyclopentadiene	Y
77781	Dimethyl sulfate	Y
78002	Lead - tetraethyl lead	Y
78591	Isophorone	Y
78831	Isobutanol	N
78875	Propylene dichloride (1,2-Dichloropropane)	Y
78933	Methyl ethyl ketone (2-Butanone)	Y
79005	1,1,2-Trichloroethane	Y
79016	Trichloroethylene	Y
79061	Acrylamide	Y
79107	Acrylic acid	Y
79118	Chloroacetic acid	Y
79209	Methyl acetate	N
79345	1,1,2,2-Tetrachloroethane	Y
79447	Dimethyl carbamoyl chloride	Y
79469	2-Nitropropane	Y
80626	Methyl methacrylate	Y
82688	Pentachloronitrobenzene (Quintozene)	Y
84742	Dibutylphthalate	Y
85449	Phthalic anhydride	Y
85687	Butyl benzyl phthalate	Y
86306	N-Nitrosodiphenylamine	Y
87683	Hexachlorobutadiene	Y
87865	Pentachlorophenol	Y
88062	2,4,6-Trichlorophenol	Y
90040	o-Anisidine	Y
90948	Michler's ketone (4,4'-Bis(dimethylamino) benzophenone)	Y

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91203	Naphthalene	Y
91225	Quinoline	Y
91941	3,3'-Dichlorobenzidene	Y
92524	Biphenyl	Y
92671	4-Aminobiphenyl	Y
92875	Benzidine	Y
92933	4-Nitrobiphenyl	Y
94757	2,4-Dichlorophenoxyacetic acid, salts & esters (2,4-D)	Y
95501	1,2-Dichlorobenzene	Y
95534	o-Toluidine	Y
95578	2-Chlorophenol	Y
95636	1,2,4 Trimethylbenzene	N
95692	p-chloro-o-toluidine	Y
95807	2,4-Diaminotoluene	Y
95807	2,4-Toluene diamine (2,4-Diaminotoluene)	Y
95830	4-Chloro-o-phenylenediamine	Y
95954	2,4,5-Trichlorophenol	Y
96093	Styrene oxide	Y
96128	1,2-Dibromo-3-chloropropane	Y
96457	Ethylene thiourea	Y
98077	Benzotrichloride	Y
98828	Cumene	Y
98862	Acetophenone	Y
98953	Nitrobenzene	Y
100027	4-Nitrophenol	Y
100414	Ethyl benzene	Y
100425	Styrene	Y
100447	Benzyl chloride	Y
100516	Benzyl alcohol	N
100754	N-Nitrosopiperidine	Y
101144	4,4-Methylene bis (2-chloroaniline)	Y
101688	Methylene diphenyl diisocyanate	Y
101779	4,4-Methylenedianiline	Y
103333	Azobenzene	Y

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105679	2,4-Dimethylphenol	Y
106434	Chlorotoluene	N
106467	1,4-Dichlorobenzene (p-Dichlorobenzene)	Y
106478	4-Chloroaniline	Y
106503	p-Phenylenediamine	Y
106514	Quinone	Y
106887	1,2-Epoxybutane	Y
106898	Epichlorohydrin	Y
106934	Ethylene dibromide (Dibromoethane)	Y
<u>106945</u>	<u>n-Propyl bromide(1-Bromopropane)</u>	<u>Y</u>
106978	Butane	N
106990	1,3-Butadiene	Y
107028	Acrolein	Y
107051	Allyl chloride	Y
107062	Ethylene dichloride (1,2-Dichloroethane)	Y
107131	Acrylonitrile	Y
107211	Ethylene glycol	Y
107302	Chloromethyl methyl ether	Y
107982	Propylene glycol monomethyl ether (PGME)	Y
108054	Vinyl acetate	Y
108101	Methyl isobutyl ketone (Hexanone)	Y
108316	Maleic anhydride	Y
108872	Methyl cyclohexane	N
108883	Toluene	Y
108907	Chlorobenzene	Y
108941	Cyclohexanone	N
108952	Phenol	Y
109604	N-Propyl Acetate	N
109660	Pentane	N
109864	Ethylene glycol monomethyl ether	Y
110190	Isobutyl acetate	N
110430	Methyl amyl ketone	N

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110496	Ethylene glycol monomethyl ether acetate	Y
110543	Hexane	Y
110805	Ethylene glycol monoethyl ether	Y
110827	Cyclohexane	Y
111159	Ethylene glycol monoethyl ether acetate	Y
111308	Glutaraldehyde	Y
111422	Diethanolamine	Y
111444	Dichloroethyl ether (Bis (chloroethyl) ether)	Y
111466	Diethylene glycol	N
111733	Diethyleneglycol monomethyl ether	N
111762	Ethylene glycol monobutyl ether	Y
111900	Diethyleneglycol monoethyl ether	N
112345	Diethylene glycol monobutyl ether	N
114261	Propoxur (Baygon)	Y
115071	Propylene	Y
115106	Dimethyl Ether	N
117793	2-Aminoanthraquinone	Y
117817	Bis (2-ethylhexyl) phthalate (DEHP)	Y
117840	N-Dioctyl phthlate	N
118741	Hexachlorobenzene	Y
119904	3,3'-Dimethoxybenzidine	Y
119937	3,3'-Dimethyl benzidine	Y
120718	p-Cresidine	Y
120809	Catechol	Y
120821	1,2,4-Trichlorobenzene	Y
121142	2,4-Dinitrotoluene	Y
121448	Triethylamine	Y
121697	n,n-Dimethyl aniline	Y
122667	1,2-Diphenylhydrazine (Hydrazobenzene)	Y
123319	Hydroquinone	Y

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123386	Propionaldehyde	Y
123864	Butyl Acetate	N
123911	1,4-Dioxane (1,4-Diethyleneoxide)	Y
124481	Dibromochloromethane	Y
126998	Chloroprene	Y
127184	Tetrachloroethylene (Perchloroethylene)	Y
131113	Dimethyl phthalate	Y
133062	Captan	Y
133904	Chloramben	Y
135206	Cupferron	Y
140578	Aramite	Y
140885	Ethyl acrylate	Y
141786	Ethyl Acetate	N
142825	Heptane	N
151564	Ethylene imine (Aziridine)	Y
156592	cis- 1,2-Dichloroethene	Y
156605	trans- 1,2-Dichloroethene	Y
156627	Calcium cyanamide	Y
302012	Hydrazine	Y
309002	Aldrin	Y
319846	alpha-Hexachlorocyclohexane	Y
319857	beta-Hexachlorocyclohexane	Y
334883	Diazomethane	Y
463581	Carbonyl sulfide	Y
510156	Chlorobenzilate	Y
532274	2-Chloroacetophenone	Y
534521	4,6-Dinitro-o-cresol	Y
540738	1,2-Dimethyl hyrazine	Y
540841	2,2,4-Trimethylpentane	Y
542756	1,3-Dichloropropene	Y
542881	Bis (chloromethyl) ether	Y
593602	Vinyl bromide	Y
608731	Hexachlorocyclohexanes, technical grade & mixed isomers	Y
615054	2,4-Diaminoanisole	Y

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621647	N-Nitrosdi-n-propylamine	Y
624839	Methyl isocyanate	Y
630206	1,1,1,2-Tetrachloroethane	Y
680319	Hexamethylphosphoramide	Y
684935	N-Nitroso-n-methylurea	Y
811972	1,1,1,2-Tetrafluoroethane	Y
822060	Hexamethylene-1,6-diisocyanate	Y
924163	N-Nitrosodi-n-butylamine	Y
930552	N-Nitrosopyrrolidine	Y
1120714	1,3-Propane sultone	Y
1310732	Sodium hydroxide	Y
1319773	Cresols/Cresylic acid isomers and mixtures (Methylphenols)	Y
1330207	Xylenes, isomers and mixtures	Y
1332214	Asbestos <sup>b</sup>	Y
1336363	Polychlorinated biphenyls (PCBs), except Aroclor 1254	Y
1582098	Trifluralin	Y
1634044	Methyl tert butyl ether (MTBE)	Y
3547044	Dichloro diphenyl dichloroethylene (DDE)	Y
7440393	Barium	Y
7446346	Selenium sulfide	Y
7550450	Titanium tetrachloride	Y
7647010	Hydrochloric acid (Hydrogen chloride)	Y
7664382	Phosphoric acid	Y
7664417	Ammonia	Y
7697372	Nitric acid	Y
7723140	Phosphorus, white	Y
7782505	Chlorine	Y
7783064	Hydrogen sulfide	Y
7784421	Arsine	Y
7803512	Phosphine	Y
8001352	Toxaphene (Chlorinated camphene)	Y
8007452	Coke oven emissions	Y



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8008206	Kerosene	N
8052413	Naptha	N
10035106	Hydrogen bromide	Y
10049044	Chlorine dioxide	Y
10595956	N-Nitroso-n-methylethylamine	Y
11097691	PCBs- Aroclor 1254	Y
12035722	Nickel subsulfide	Y
22967926	Mercury – Methyl mercury	Y
25167833	Tetrachlorophenols	Y
26471625	2,4-and 2,6-Toluene diisocyanate <sup>h</sup>	Y
64475850	Mineral spirits	N
64742898	Lactol Spirits	N
108171262	Chlorinated paraffins (avg length C12-C13, 60% chlorine)	Y
	Antimony & compounds <sup>a</sup> , including antimony trioxide	Y
	Arsenic & compounds <sup>a</sup> (inorganic)	Y
	Beryllium & compounds <sup>a</sup>	Y
	Boron and borates	Y
	Bromates (including Potassium bromate)	Y
	Bromine and compounds (except Hydrogen bromide & Bromates)	Y
	Cadmium & compounds <sup>a</sup>	Y
	Chromium III & compounds <sup>a</sup> , insoluble salts	Y
	Chromium VI & compounds <sup>a</sup>	Y
	Cobalt & compounds <sup>a</sup>	Y
	Copper & compounds <sup>a</sup> , except Copper cyanide	Y
	Cyanide & compounds (inorganic) <sup>i</sup> , except Hydrogen cyanide	Y
	Fine mineral fibers <sup>c</sup>	Y
	Fluorides & compounds, including Hydrogen fluoride	Y
	Lead & compounds <sup>a</sup> , inorganic	Y
	Manganese & compounds <sup>a</sup>	Y

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	Mercury & compounds <sup>a</sup> – elemental & inorganic	Y
	Molybdenum and compounds <sup>a</sup>	Y
	Nickel and compounds <sup>a</sup> , except Nickel subsulfide	Y
	Polychlorinated dibenzo dioxins (PCDDs), polychlorinated dibenzo furans (PCDFs) and dioxin-like polychlorinated biphenyls (PCBs) <sup>d</sup>	Y
	Polycyclic Organic Matter <sup>e</sup>	Y
	Selenium – Hydrogen selenide	Y
	Selenium & compounds <sup>a</sup> except Hydrogen selenide and Selenium sulfide	Y
	Sulfates <sup>f</sup>	Y
	Sulfuric acid and Oleum <sup>g</sup>	Y
	Vanadium and compounds <sup>a</sup>	Y
	Zinc and compounds <sup>a</sup>	Y

<sup>a</sup>For metal compounds, Minimum Quantities apply to the metal portion of the compound.

<sup>b</sup>Asbestos units are fibers/year.

<sup>c</sup>Fine mineral fibers are mineral fiber emissions from facilities manufacturing or processing glass, rock, or slag fibers or other mineral derived fibers of average diameter 1 micrometer (µm) or less.

<sup>d</sup>PCDD Minimum Quantity is in terms of 2,3,7,8-tetrachlorodibenzodioxin equivalents, calculated as specified in the Rhode Island Air Toxics Guideline.

<sup>e</sup>Polycyclic Organic Matter Minimum Quantity is in terms of benzo(a)pyrene equivalents, calculated as specified in the Rhode Island Air Toxics Guideline.

<sup>f</sup>Sulfates MQ applies to ammonium bisulfate [(NH<sub>4</sub>)HSO<sub>4</sub>, CAS 7803-63-6], ammonium sulfate [(NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub>, CAS 7783-20-2], ferric sulfate [Fe(SO<sub>4</sub>)<sub>3</sub>, CAS 10028-22-5] and sodium sulfate [Na<sub>2</sub>SO<sub>4</sub>, CAS 7757-82-6]

<sup>g</sup>Sulfuric acid and oleum MQ applies to sulfuric acid (H<sub>2</sub>SO<sub>4</sub>, CAS 7664-03-9), sulfur trioxide (SO<sub>3</sub>, CAS 7446-71-9) and oleum (H<sub>2</sub>SO<sub>4</sub> + SO<sub>3</sub>, CAS 8014-95-7)

<sup>h</sup>Includes 2,4-TDI (CAS 584849), 2,6-TDI (CAS 91087) and 2,4/2,6 mixtures (CAS 26471625)

<sup>i</sup>XCN where X equals any group other than H where a formal dissociation may occur, such as KCN or Ca(CN)<sub>2</sub>.