

AB 2588 Air Toxics "Hot Spots" Emission Inventory Criteria and Guidelines Regulation (Appendix A-I)
 Substances for which emissions must be quantified

CAS	A-I Substance
75070	Acetaldehyde
60355	Acetamide
75058	Acetonitrile
98862	Acetophenone
53963	2-Acetylaminofluorene
107028	Acrolein
79061	Acrylamide
79107	Acrylic acid
107131	Acrylonitrile
107051	Allyl chloride
7429905	Aluminum
1344281	Aluminum oxide (fibrous)
117793	2-Aminoanthraquinone
92671	4-Aminobiphenyl
61825	Amitrole
7664417	Ammonia
6484522	Ammonium nitrate
7783202	Ammonium sulfate
62533	Aniline
90040	o-Anisidine
1309644	Antimony trioxide
7440360	Antimony
1016	Arsenic compounds (inorganic)
7440382	Arsenic
*	[D] Arsenic compounds (inorganic)
7784421	Arsine
1017	Arsenic compounds (other than inorganic)
7440393	Barium
71432	Benzene
92875	Benzidine (and its salts)
2602462	Direct Blue 6
16071866	Direct Brown 95 (technical grade)
1020	Benzidine-based dyes
1937377	Direct Black 38
271896	Benzofuran
98077	Benzoic trichloride
98884	Benzoyl chloride
94360	Benzoyl peroxide
100447	Benzyl chloride
*	[D] Beryllium compounds
7440417	Beryllium
92524	Biphenyl
111444	Bis(2-chloroethyl) ether {DCEE}
542881	Bis(chloromethyl) ether
103231	Bis(2-ethylhexyl) adipate
7726956	Bromine
7758012	Potassium bromate
*	[D] Bromine compounds (Inorganic)
75252	Bromoform

106990 1,3-Butadiene
141322 Butyl acrylate
71363 n-Butyl alcohol
78922 sec-Butyl alcohol
75650 tert-Butyl alcohol
85687 Butyl benzyl phthalate
7440439 Cadmium
* [D] Cadmium compounds
156627 Calcium cyanamide
105602 Caprolactam
2425061 Captafol
133062 Captan
63252 Carbaryl
1050 Carbon black extracts
75150 Carbon disulfide
56235 Carbon tetrachloride
463581 Carbonyl sulfide
1055 Carrageenan (degraded)
120809 Catechol
133904 Chloramben
57749 Chlordane
108171262 Chlorinated paraffins (average chain length, C12; approx. 60% Cl by weight)
7782505 Chlorine
10049044 Chlorine dioxide
79118 Chloroacetic acid
532274 2-Chloroacetophenone
106478 p-Chloroaniline
95501 1,2-Dichlorobenzene
118741 Hexachlorobenzene
120821 1,2,4-Trichlorobenzene
541731 1,3-Dichlorobenzene
25321226 Dichlorobenzenes (mixed isomers)
1058 Chlorobenzenes
106467 p-Dichlorobenzene
108907 Chlorobenzene
510156 Chlorobenzilate
67663 Chloroform
107302 Chloromethyl methyl ether (technical grade)
120832 2,4-Dichlorophenol
88062 2,4,6-Trichlorophenol
1060 Chlorophenols
95954 2,4,5-Trichlorophenol
58902 2,3,4,6-Tetrachlorophenol
87865 Pentachlorophenol
95830 4-Chloro-o-phenylenediamine
76062 Chloropicrin
126998 Chloroprene
95692 p-Chloro-o-toluidine
7440473 Chromium
18540299 Chromium, hexavalent (& compounds)
7789062 Strontium chromate
7758976 Lead chromate

13765190 Calcium chromate
10294403 Barium chromate
10588019 Sodium dichromate
1333820 Chromium trioxide
7440484 Cobalt
 1066 Coke oven emissions
* [D] Copper compounds
7440508 Copper
 1070 Creosotes
 120718 p-Cresidine
 108394 m-Cresol
1319773 Cresols (mixtures of) {Cresylic acid}
 95487 o-Cresol
 106445 p-Cresol
4170303 Crotonaldehyde
 98828 Cumene
 80159 Cumene hydroperoxide
135206 Cupferron
 1073 Cyanide compounds
 74908 Hydrocyanic acid
110827 Cyclohexane
108930 Cyclohexanol
 66819 Cycloheximide
1163195 Decabromodiphenyl oxide
 924163 N-Nitrosodi-n-butylamine
10595956 N-Nitrosomethylethylamine
1116547 N-Nitrosodiethanolamine
 55185 N-Nitrosodiethylamine
 621647 N-Nitrosodi-n-propylamine
 1075 Dialkylnitrosamines
 62759 N-Nitrosodimethylamine
615054 2,4-Diaminoanisole
 95807 2,4-Diaminotoluene
 1078 Diaminotoluenes (mixed isomers)
334883 Diazomethane
226368 Dibenz[a,h]acridine
224420 Dibenz[a,j]acridine
194592 7H-Dibenzo[c,g]carbazole
132649 Dibenzofuran
 96128 1,2-Dibromo-3-chloropropane
 96139 2,3-Dibromo-1-propanol
 84742 Dibutyl phthalate
 91941 3,3'-Dichlorobenzidine
 72559 Dichlorodiphenyldichloroethylene {DDE}
 75343 1,1-Dichloroethane
 94757 Dichlorophenoxyacetic acid, salts and esters {2,4-D}
 78875 1,2-Dichloropropane
542756 1,3-Dichloropropene
 62737 Dichlorovos
115322 Dicofol
 9901 Diesel engine exhaust, particulate matter
 9902 Diesel engine exhaust, total organic gas

111422 Diethanolamine
117817 Di(2-ethylhexyl) phthalate
64675 Diethyl sulfate
119904 3,3'-Dimethoxybenzidine
60117 4-Dimethylaminoazobenzene
121697 N,N-Dimethylaniline
57976 7,12-Dimethylbenz[a]anthracene
119937 3,3'-Dimethylbenzidine {o-Tolidine}
79447 Dimethyl carbamoyl chloride
68122 Dimethyl formamide
57147 1,1-Dimethylhydrazine
131113 Dimethyl phthalate
77781 Dimethyl sulfate
534521 4,6-Dinitro-o-cresol (and salts)
51285 2,4-Dinitrophenol
42397648 1,6-Dinitropyrene
42397659 1,8-Dinitropyrene
25321146 Dinitrotoluenes (mixed isomers)
606202 2,6-Dinitrotoluene
121142 2,4-Dinitrotoluene
123911 1,4-Dioxane
630933 Diphenylhydantoin
122667 1,2-Diphenylhydrazine {Hydrazobenzene}
1090 Environmental Tobacco Smoke
106898 Epichlorohydrin
106887 1,2-Epoxybutane
1091 Epoxy resins
140885 Ethyl acrylate
100414 Ethyl benzene
75003 Ethyl chloride {Chlorethane}
74851 Ethylene
106934 Ethylene dibromide {EDB}
107062 Ethylene dichloride {EDC}
107211 Ethylene glycol
151564 Ethyleneimine {Aziridine}
75218 Ethylene oxide
96457 Ethylene thiourea
1101 Fluorides and compounds
7664393 Hydrogen fluoride
1103 Fluorocarbons (brominated)
1104 Fluorocarbons (chlorinated)
75434 Dichlorofluoromethane {Freon 12}
75456 Chlorodifluoromethane {Freon 22}
* [D] Fluorocarbons (Chlorinated and Brominated)
76131 Chlorinated fluorocarbon {CFC-113}
75694 Trichlorofluoromethane {Freon 11}
50000 Formaldehyde
110009 Furan
9910 Gasoline engine exhaust, particulate matter
9911 Gasoline engine exhaust, total organic gas
1110 Gasoline vapors
111308 Glutaraldehyde

111762 Ethylene glycol monobutyl ether
111900 Diethylene glycol monoethyl ether
110805 Ethylene glycol monoethyl ether
110496 Ethylene glycol monomethyl ether acetate
629141 Ethylene glycol diethyl ether
112492 Triethylene glycol dimethyl ether
2807309 Ethylene glycol monopropyl ether
25265718 Dipropylene glycol
111773 Diethylene glycol monomethyl ether
1115 Glycol ethers (and their acetates)
111466 Diethylene glycol
111966 Diethylene glycol dimethyl ether
112345 Diethylene glycol monobutyl ether
110714 Ethylene glycol dimethyl ether
107982 Propylene glycol monomethyl ether
109864 Ethylene glycol monomethyl ether
111159 Ethylene glycol monoethyl ether acetate
34590948 Dipropylene glycol monomethyl ether
108656 Propylene glycol monomethyl ether acetate
76448 Heptachlor
87683 Hexachlorobutadiene
58899 Lindane {gamma-Hexachlorocyclohexane}
319857 beta-Hexachlorocyclohexane
319846 alpha-Hexachlorocyclohexane
1120 Hexachlorocyclohexanes (mixed or technical grade)
77474 Hexachlorocyclopentadiene
67721 Hexachloroethane
680319 Hexamethylphosphoramide
110543 Hexane
302012 Hydrazine
7647010 Hydrochloric acid
7783064 Hydrogen sulfide
123319 Hydroquinone
13463406 Iron pentacarbonyl
1125 Isocyanates
624839 Methyl isocyanate
101688 Methylene diphenyl diisocyanate
822060 Hexamethylene-1,6-diisocyanate
78591 Isophorone
78795 Isoprene, except from vegetative emission sources
67630 Isopropyl alcohol
80057 4,4'-Isopropylidenediphenol
301042 Lead acetate
1128 Lead compounds (inorganic)
7446277 Lead phosphate
7439921 Lead
* [D] Lead compounds (Inorganic)
1335326 Lead subacetate
1129 Lead compounds (other than inorganic)
108316 Maleic anhydride
* [D] Manganese compounds
7439965 Manganese

* [D] Mercury compounds

7487947 Mercuric chloride

7439976 Mercury

593748 Methyl mercury

67561 Methanol

72435 Methoxychlor

75558 2-Methylaziridine

74839 Methyl bromide {Bromomethane}

74873 Methyl chloride {Chloromethane}

71556 Methyl chloroform {1,1,1-TCA}

56495 3-Methylcholanthrene

3697243 5-Methylchrysene

101144 4,4'-Methylene bis(2-chloroaniline)

75092 Methylene chloride {Dichloromethane}

101779 4,4'-Methylenedianiline (and its dichloride)

78933 Methyl ethyl ketone {2-Butanone}

60344 Methyl hydrazine

74884 Methyl iodide {Iodomethane}

108101 Methyl isobutyl ketone {Hexone}

75865 2-Methylacetonitrile {Acetone cyanohydrin}

80626 Methyl methacrylate

109068 2-Methylpyridine

1634044 Methyl tert-butyl ether

90948 Michler's ketone

1136 Mineral fibers (fine: man-made)

1168 Rockwool (man-made fibers)

1056 Ceramic fibers (man-made)

1111 Glasswool (man-made fibers)

1181 Slagwool (man-made fibers)

1190 Talc containing asbestiform fibers

1135 Mineral fibers (other than man-made)

12510428 Erionite

1332214 Asbestos

1313275 Molybdenum trioxide

* [D] Nickel compounds

13463393 Nickel carbonyl

3333393 Nickel carbonate

12054487 Nickel hydroxide

7440020 Nickel

1313991 Nickel oxide

12035722 Nickel subsulfide

1146 Nickel refinery dust from the pyrometallurgical process

373024 Nickel acetate

1271289 Nickelocene

7697372 Nitric acid

139139 Nitrilotriacetic acid

98953 Nitrobenzene

92933 4-Nitrobiphenyl

7496028 6-Nitrochrysene

607578 2-Nitrofluorene

302705 Nitrogen mustard N-oxide

100027 4-Nitrophenol

79469 2-Nitropropane
5522430 1-Nitropyrene
156105 p-Nitrosodiphenylamine
684935 N-Nitroso-N-methylurea
59892 N-Nitrosomorpholine
100754 N-Nitrosopiperidine
930552 N-Nitrosopyrrolidine
1151 PAHs, total, w/o individ. components reported
1150 PAHs, total, with individ. components also reported
50328 Benzo[a]pyrene
85018 Phenanthrene
91576 2-Methyl naphthalene
129000 Pyrene
206440 Fluoranthene
208968 Acenaphthylene
207089 Benzo[k]fluoranthene
193395 Indeno[1,2,3-cd]pyrene
189640 Dibenzo[a,h]pyrene
53703 Dibenzo[a,h]anthracene
56553 Benz[a]anthracene
218019 Chrysene
120127 Anthracene
192972 Benzo[e]pyrene
191242 Benzo[g,h,i]perylene
91203 Naphthalene
189559 Dibenzo[a,i]pyrene
198550 Perylene
83329 Acenaphthene
191300 Dibenzo[a,l]pyrene
86737 Fluorene
205992 Benzo[b]fluoranthene
192654 Dibenzo[a,e]pyrene
205823 Benzo[j]fluoranthene
56382 Parathion
1336363 Polychlorinated biphenyls (PCBs)
82688 Pentachloronitrobenzene {Quintobenzene}
79210 Peracetic acid
127184 Perchloroethylene {Tetrachloroethene}
108952 Phenol
106503 p-Phenylenediamine
90437 2-Phenylphenol
75445 Phosgene
7723140 Phosphorus
78400 Triethyl phosphine
10026138 Phosphorus pentachloride
115866 Triphenyl phosphate
78308 Triorthocresyl phosphate
7664382 Phosphoric acid
126738 Tributyl phosphate
512561 Trimethyl phosphate
10025873 Phosphorus oxychloride
7719122 Phosphorus trichloride

101020 Triphenyl phosphite
7803512 Phosphine
1314563 Phosphorus pentoxide
85449 Phthalic anhydride
1086 Dioxins, total, w/o individ. isomers reported {PCDDs}
1085 Dioxins, total, with individ. isomers also reported {PCDDs}
57653857 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin
37871004 Total Heptachlorodibenzo-p-dioxin
34465468 Total Hexachlorodibenzo-p-dioxin
3268879 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin
1746016 2,3,7,8-Tetrachlorodibenzo-p-dioxin
19408743 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin
41903575 Total Tetrachlorodibenzo-p-dioxin
36088229 Total Pentachlorodibenzo-p-dioxin
40321764 1,2,3,7,8-Pentachlorodibenzo-p-dioxin
35822469 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin
39227286 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin
60851345 2,3,4,6,7,8-Hexachlorodibenzofuran
57117449 1,2,3,6,7,8-Hexachlorodibenzofuran
51207319 2,3,7,8-Tetrachlorodibenzofuran
67562394 1,2,3,4,6,7,8-Heptachlorodibenzofuran
70648269 1,2,3,4,7,8-Hexachlorodibenzofuran
55722275 Total Tetrachlorodibenzofuran
39001020 1,2,3,4,6,7,8,9-Octachlorodibenzofuran
30402154 Total Pentachlorodibenzofuran
1080 Dibenzofurans (chlorinated) {PCDFs}
72918219 1,2,3,7,8,9-Hexachlorodibenzofuran
57117314 2,3,4,7,8-Pentachlorodibenzofuran
57117416 1,2,3,7,8-Pentachlorodibenzofuran
55684941 Total Hexachlorodibenzofuran
55673897 1,2,3,4,7,8,9-Heptachlorodibenzofuran
38998753 Total Heptachlorodibenzofuran
* [D] Polycyclic Organic Matter(POM):other than PAH
1120714 1,3-Propane sultone
57578 beta-Propiolactone
123386 Propionaldehyde
114261 Propoxur
115071 Propylene
75569 Propylene oxide
110861 Pyridine
91225 Quinoline
106514 Quinone
1166 Radon and its decay products
1165 Radionuclides
24267569 Iodine-131
50555 Reserpine
7782492 Selenium
* [D] Selenium compounds
7446346 Selenium sulfide
1175 Silica, crystalline
7440224 Silver
1310732 Sodium hydroxide

96093 Styrene oxide
100425 Styrene
7664939 Sulfuric acid
100210 Terephthalic acid
79345 1,1,2,2-Tetrachloroethane
7440280 Thallium
62555 Thioacetamide
62566 Thiourea
7550450 Titanium tetrachloride
108883 Toluene
584849 Toluene-2,4-diisocyanate
91087 Toluene-2,6-diisocyanate
1204 Toluene diisocyanates
95534 o-Toluidine
8001352 Toxaphene
79005 1,1,2-Trichloroethane
79016 Trichloroethylene
96184 1,2,3-Trichloropropane
121448 Triethylamine
1582098 Trifluralin
95636 1,2,4-Trimethylbenzene
540841 2,2,4-Trimethylpentane
51796 Urethane
7440622 Vanadium (fume or dust)
108054 Vinyl acetate
593602 Vinyl bromide
75014 Vinyl chloride
100403 4-Vinylcyclohexene
75025 Vinyl fluoride
75354 Vinylidene chloride
1206 Wood preservatives (containing arsenic and chromate)
95476 o-Xylene
108383 m-Xylene
106423 p-Xylene
1210 Xylenes (mixed)
* [D] Zinc compounds
7440666 Zinc
1314132 Zinc oxide