

**HAZARDOUS AIR POLLUTANTS
SORTED BY POLLUTANT NAME**

APPENDIX II

(A) The pollutants listed in Tables AII-1 and AII-2 of this appendix are regulated hazardous air pollutants under the LLCAPCPRS:

Table AII-1

Chemical Name	CAS Number	VOC? (Yes or No)	Reporting Level (lbs/year)	Other Common Names or Designations
Acetaldehyde	75-07-0	Yes	2,000	Acetic aldehyde; Ethanal
Acetamide	60-35-5	Yes	1,000	Ethanamide; Acetic acid amide
Acetonitrile	75-05-8	Yes	1,000	Cyanomethane; Ethanenitrile
Acetophenone	98-86-2	Yes	1,000	1-Phenylethanone; Acetylbenzene
2-Acetylaminofluorene	53-96-3	Yes	10	2-AAF
Acrolein	107-02-8	Yes	40	2-Propenal; Acraldehyde
Acrylamide	79-06-1	Yes	20	2-Propenamidine
Acrylic acid	79-10-7	Yes	600	2-Propenoic acid; Acroleic acid
Acrylonitrile	107-13-1	Yes	300	2-Propenenitrile
Allyl chloride	107-05-1	Yes	1,000	2-Propenyl chloride
4-Aminobiphenyl	92-67-1	Yes	1,000	Biphenylamine
Aniline	62-53-3	Yes	1,000	Aminobenzene
o-Anisidine	90-04-0	Yes	1,000	2-Anisidine
Antimony compounds (refer to paragraph (B) of this appendix)	7440-36-0	No	2,000 *	
Arsenic and inorganic arsenic compounds	7440-38-2	No	10	
Arsine	7784-42-1	No	10	
Asbestos	1332-21-4	No	0	
Benz(a)anthracene **	56-55-3	Yes	20	
Benz(c)aridine **	225-54-1	Yes	20	
Benzene	71-43-2	Yes	1,000	Benzine; Coal/Mineral naphtha
Benzidine	92-87-5	Yes	0.6	4,4'-Bianiline
Benzo(a)pyrene	50-32-8	Yes	20	
Benzo(b)fluoranthene	205-99-2	Yes	20	
Benzo(trichloride)	98-07-7	Yes	12	Benzoic trichloride
Benzyl chloride	100-44-7	Yes	100	Chloromethylbenzene
Beryllium compounds (except salts)	7440-41-7	No	16	
Beryllium salts	1304-56-9	No	0.04	
Biphenyl	92-52-4	Yes	2,000	Diphenyl
Bis(chloromethyl)ether	542-88-1	Yes	0.6	BCME; Dichloromethyl ether
Bromoform	75-25-2	Yes	2,000	Tribromomethane
<u>1-Bromopropane</u>	<u>106-94-5</u>	<u>Yes</u>	<u>0</u>	<u>1-BP; n-Propyl bromide; nBP</u>
1,3-Butadiene	106-99-0	Yes	70	Buta-1,3-diene; Biethylene
Cadmium compounds	7440-43-9	No	20	
Calcium cyanamide	156-62-7	No	2,000	Calcium carbimide
Captan	133-06-2	No	2,000	
Cabaryl	63-25-2	No	2,000	1-Naphthalenol, methylcarbamate
Carbon disulfide	75-15-0	Yes	1,000	Carbon bisulfide
Carbon tetrachloride	56-23-5	Yes	1,000	Carbon Tet; Benzinoform
Carbonyl sulfide	463-58-1	Yes	2,000	Carbon oxide sulfide
Catechol	120-80-9	Yes	2,000	1,2-Benzenediol
Chloramben	133-90-4	No	1,000	3-Amino-2,5-dichlorobenzoic acid
Chlordane	57-74-9	Yes	20	Chlor Kil; Chlorindan
Chlorine	7782-50-5	No	100	

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Table AII-1

Chemical Name	CAS Number	VOC? (Yes or No)	Reporting Level (lbs/year)	Other Common Names or Designations
Chloroacetic acid	79-11-8	Yes	100	Monochloroacetic acid
2-Chloroacetophenone	532-27-4	Yes	60	Phenacyl chloride
Chlorobenzene	108-90-7	Yes	2,000	Benzene chloride
Chlorobenzilate	510-15-6	Yes	400	4,4'-Dichlorobenzilate
Chloroform	67-66-3	Yes	900	Methyl trichloride
Chloromethane	74-87-3	Yes	2,000	Methyl chloride
Chloromethyl methyl ether	107-30-2	Yes	100	Chlorodimethyl ether
Chloroprene	126-99-8	Yes	1,000	Chlorobutadiene
Chromic chloride	10025-73-7	No	100	
Chromium compounds (except Hexavalent and Trivalent)	7440-47-3	No	2,000	
Chromium compounds – Hexavalent only	18540-29-9	No	4	
Chromium compounds – Trivalent only	1308-38-9	No	2,000	
Chrysene **	218-01-9	Yes	20	
Cobalt compounds	7440-48-4	No	100	
Coke oven emissions	N/A	No	30	
m-Cresol	108-39-4	Yes	1,000	1-Hydroxy-3-methylbenzene
o-Cresol	95-48-7	Yes	1,000	1-Hydroxy-2-methylbenzene
p-Cresol	106-44-5	Yes	1,000	1-Hydroxy-4-methylbenzene
Cresols/Cresylic acid (mixed and isomers)	1319-77-3	Yes	1,000	
Cumene	98-82-8	Yes	2,000	Isopropyl benzene
Cyanide compounds ^a (refer to paragraph (B) of this appendix)	57-12-5	No	2,000 *	
2,4-D (salts and esters)	94-75-7	Yes	2,000	2,4-Dichlorophenoxyacetic acid
DDE	3547-04-4	Yes	20	Dichlorodiphenyldichloroethylene
Diazomethane	334-88-3	Yes	1,000	Azimethylene
Dibenz(a,h)anthracene **	53-70-3	Yes	20	
Dibenz(a,i)pyrene **	189-55-9	Yes	20	
Dibenzofurans	132-64-9	No	2,000	2,2'-Biphenylene oxide
1,2-Dibromo-3-chloropropane	96-12-8	Yes	20	DBCP; Dibromochloropropane
Dibutylphthalate	84-74-2	Yes	2,000	n-Butyl phthalate
1,4-Dichlorobenzene	106-46-7	Yes	1,000	p-DCB; p-Dichlorobenzene
3,3'-Dichlorobenzidine	91-94-1	Yes	200	Benzidine 3,3'-Dichloro-
1,1-Dichloroethane	75-34-3	Yes	1,000	1,1-DCA; Ethylidene dichloride
Dichloroethyl ether	111-44-4	Yes	60	Bis(2-chloroethyl)ether
1,1-Dichloroethylene	75-35-4	Yes	400	1,1-DCE; 1,1-Dichloroethene
1,2-Dichloropropane	78-87-5	Yes	1,000	Propylene dichloride
1,3-Dichloropropene	542-75-6	Yes	1,000	3-Dichloropropylene
Dichlorvos	62-73-7	Yes	200	2,2-Dichlorovinyl
Diethanolamine	111-42-2	Yes	2,000	2,2'-Dihydroxydiethylamine
Diethyl sulfate	64-67-5	Yes	1,000	DES; Ethyl sulfate
Diethylhexylphthalate	117-81-7	Yes	2,000	DEHP; Bis(2-ethylhexyl)phthalate
3,3'-Dimethoxybenzidine	119-90-4	Yes	100	3,3'-Dianisidine; Bianisidine
4-Dimethylaminoazobenzene	60-11-7	Yes	1,000	Dimethyl aminoazobenzene
3,3'-Dimethylbenzidine	119-93-7	Yes	16	2-Tolidine
Dimethyl carbamoyl chloride	79-44-7	Yes	20	DDC; DMCC

Table AII-1

Chemical Name	CAS Number	VOC? (Yes or No)	Reporting Level (lbs/year)	Other Common Names or Designations
Dimethyl formamide	68-12-2	Yes	1,000	N,N-Dimethylformamide
1,1-Dimethylhydrazine	57-14-7	Yes	16	N,N'-Dimethylhydrazine
Dimethyl phthalate	131-11-3	Yes	2,000	Dimethyl 1,2-Benzendicarboxylate
Dimethyl sulfate	77-78-1	Yes	100	DMS; Dimethyl monosulfate
N,N-Dimethylaniline	121-69-7	Yes	1,000	(Dimethylamino)benzene
7,12-Dimethylbenz(a)anthracene **	57-97-6	Yes	0	
4,6-Dinitro-o-cresol, and salts	534-52-1	No	100	Dinitrocresol
2,4-Dinitrophenol	51-28-5	Yes	1,000	DNP
2,4-Dinitrotoluene	121-14-2	Yes	20	DNT; 1-Methyl-2,4-dinitrobenzene
1,4-Dioxane	123-91-1	Yes	2,000	Diethylene oxide
Dioxins and Furans ^b (TCDD Equivalent)	N/A	No	0	
1,2-Diphenylhydrazine	122-66-7	Yes	90	Hydroazobenzene
Epichlorohydrin	106-89-8	Yes	1,000	1-Chloro-2,3-epoxypropane
1,2-Epoxybutane	106-88-7	Yes	1,000	1,2-Butene oxide
2-Ethoxy ethanol ***	110-80-5	No	2,000	
Ethyl acrylate	140-88-5	Yes	1,000	2-Propenoic acid ethyl ester
Ethyl benzene	100-41-4	Yes	2,000	Alpha-Methyltoluene
Ethyl carbamate	51-79-6	No	800	Urethane
Ethyl chloride	75-00-3	Yes	2,000	Chloroethane
Ethylene dibromide	106-93-4	Yes	100	1,2-Dibromoethane
Ethylene dichloride	107-06-2	Yes	800	1,1-Dichloroethane
Ethylene glycol	107-21-1	Yes	2,000	1,2-Dihydroxyethane
Ethylene oxide	75-21-8	Yes	100	Oxirane
Ethylene thiourea	96-45-7	No	600	2-Imidazolidinethione
Ethyleneimine	151-56-4	Yes	6	Aziridine
Fine mineral fiber compounds ^c (refer to paragraph (B) of this appendix)	N/A	No	0 *	
Formaldehyde	50-00-0	Yes	1,000	
Glycol ethers ^d (refer to paragraph (B) of this appendix)	N/A	No	2,000 *	
Heptachlor	76-44-8	Yes	20	3-Chlorochlordene
Hexachlorobenzene	118-74-1	No	20	HCB; Perchlorobenzene
Hexachlorobutadiene	87-68-3	Yes	900	Hexachloro-1,3-butadiene
Hexachlorocyclopentadiene	77-47-4	Yes	100	HCCPD
Hexachloroethane	67-72-1	No	2,000	1,1,1,2,2,2-Hexachloroethane
Hexamethylene diisocyanate	822-06-0	No	20	1,6-Diisocyanatohexane
Hexamethylphosphoramide	680-31-9	No	20	HMPA; HMPT; HMPTA
Hexane	110-54-3	Yes	2,000	N-Hexane
Hydrazine	302-01-2	No	8	Diamine
Hydrochloric acid	7647-01-0	No	2,000	Hydrogen chloride
Hydrogen cyanide	74-90-8	No	0	Hydrocyanic acid
Hydrogen fluoride	7664-39-3	No	100	Hydrofluoric acid
Hydroquinone	123-31-9	Yes	1,000	1,4-Benzenediol
Ideno(1,2,3-cd)pyrene	193-39-5	Yes	20	
Isophorone	78-59-1	Yes	2,000	Cyclohexane-1-one
Lead and lead compounds	7439-92-1	No	20	

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APPENDIX II

Table AII-1

Chemical Name	CAS Number	VOC? (Yes or No)	Reporting Level (lbs/year)	Other Common Names or Designations
Lindane (all isomers)	58-89-9	No	20	
Maleic anhydride	108-31-6	No	1,000	2,5-Furandione
Manganese and manganese compounds (refer to paragraph (B) of this appendix)	7439-96-5	No	800 *	
Mercury and mercury compounds	7439-97-6	No	20	
Methanol	67-56-1	Yes	2,000	Methyl alcohol
2-Methoxy ethanol ***	108-86-4	No	2,000	
Methoxychlor	72-43-5	Yes	2,000	
Methyl bromide	74-83-9	Yes	2,000	Bromomethane
Methyl hydrazine	60-34-4	Yes	60	Monomethylhydrazine
Methyl iodide	74-88-4	Yes	1,000	Iodomethane
Methyl isobutyl ketone	108-10-1	Yes	2,000	MIBK; Hexone
Methyl isocyanate	624-83-9	Yes	100	Isocyanatomethane
Methyl methacrylate	80-62-6	Yes	2,000	2-(Methoxycarbonyl)-1-propene
Methyl tert-butyl ether	1634-04-4	Yes	2,000	MTBE
4,4'-Methylene bis(2-chloroaniline)	101-14-4	No	200	MOCA; MBOCA; Bisamine
Methylene chloride	75-09-2	No	2,000	Dichloromethane
Methylene diphenyl diisocyanate	101-68-8	No	100	MDI
4,4'-Methylenedianiline	101-77-9	No	1,000	MDA; Bis(4-aminophenyl)methane
Naphthalene	91-20-3	Yes	2,000	
Nickel compounds (refer to paragraph (B) of this appendix)	7440-02-0	No	1,000 *	
Nitrobenzene	98-95-3	Yes	1,000	
4-Nitrobiphenyl	92-93-3	Yes	1,000	PNB; 4-Nitrodiphenyl
2-Nitropropane	79-46-9	Yes	1,000	2-NP
4-Nitrophenol	100-02-7	Yes	2,000	PNP; p-Nitrophenol
N-Nitrosodimethylamine	62-75-9	Yes	2	DMN; DMNA
N-Nitrosomorpholine	59-89-2	Yes	1,000	4-Nitrosomorpholine
N-Nitroso-N-methylurea	684-93-5	Yes	0.4	MNU; Methylnitrosourea
Parathion	56-38-2	Yes	100	
Pentachloronitrobenzene	82-68-8	Yes	300	PCNB; Quintobenzene
Pentachlorophenol	87-86-5	Yes	700	PCP; 2,3,4,5,6-Pentachlorophenol
Perchloroethylene	127-18-4	No	2,000	Tetrachloroethylene
Phenol	108-95-2	Yes	100	Hydroxybenzene
p-Phenylenediamine	106-50-3	Yes	2,000	1,4-Benzenediamine
Phosgene	75-44-5	Yes	100	Dichloroformaldehyde
Phosphine	7803-51-2	No	2,000	Hydrogen phosphide
Phosphorous	7723-14-0	No	100	
Phthalic anhydride	85-44-9	No	2,000	1,3-Phthalandione
Polychlorinated biphenyls	1336-36-3	Yes	18	PCBs
Polycyclic Organic Matter ° (refer to paragraph (B) of this appendix)	N/A	Yes	20 *	POM
1,3-Propane sultone	1120-71-4	No	30	Propyl sultone
beta-Propiolactone	57-57-8	Yes	100	BPL; 1,3-Propiolactone
Propionaldehyde	123-38-6	Yes	2,000	1-Propanone

Table AII-1

Chemical Name	CAS Number	VOC? (Yes or No)	Reporting Level (lbs/year)	Other Common Names or Designations
Propoxur	114-26-1	No	2,000	
Propylene oxide	75-56-9	Yes	2,000	Methyl oxirane
1,2-Propylenimine	75-55-8	Yes	6	2-Methylaziridine
Quinoline	91-22-5	Yes	12	Benzopyridine
Quinone	106-51-4	Yes	2,000	p-Benzoquinone
Radionuclides (including radon) ^f	N/A	No	^g	
Selenium and selenium compounds	7782-49-2	No	100	
Styrene	100-42-5	Yes	1,000	Vinylbenzene; Phenylethene
Styrene oxide	96-09-3	Yes	1,000	1,2-Epoxyethylbenzene
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	No	0.0012	Tetradioxin
1,1,2,2-Tetrachloroethane	79-34-5	Yes	300	Acetylene tetrachloride
Titanium tetrachloride	7550-45-0	No	100	Tetrachlorotitanium
Toluene	108-88-3	Yes	2,000	1-Methylbenzene
2,4-Toluene diamine	95-80-7	Yes	20	2,4-Diaminotoluene
2,4-Toluenediisocyanate	584-84-9	Yes	100	2,4-TDI
o-Toluidine	95-53-4	Yes	1,000	2-Aminotoluene
Toxaphene	8001-35-2	No	20	Campechlor
1,2,4-Trichlorobenzene	120-82-1	Yes	2,000	
1,1,1-Trichloroethane	71-55-6	No	2,000	Methyl chloroform; Chloroethane
1,1,2-Trichloroethane	79-00-5	Yes	1,000	1,1,2-TCA; Vinyl trichloride
Trichloroethylene	79-01-6	Yes	2,000	TCE; 1,1,2-Trichloroethylene
2,4,5-Trichlorophenol	95-95-4	Yes	1,000	2,4,5-TCP
2,4,6-Trichlorophenol	88-06-2	Yes	2,000	TCP; Phenacolor
Triethylamine	121-44-8	Yes	2,000	N,N-Diethylethanamine
Trifluralin	1582-09-8	No	2,000	
2,2,4-Trimethylpentane	540-84-1	Yes	2,000	Isooctane
Vinyl acetate	108-05-4	Yes	1,000	Acetic acid ethenyl ester
Vinyl bromide	593-60-2	Yes	600	Bromoethene
Vinyl chloride	75-01-4	Yes	200	1-Chloroethene
m-Xylenes	108-38-3	Yes	2,000	1,3-Xylene; 1,3-Dimethylbenzene
o-Xylenes	95-47-6	Yes	2,000	1,2-Xylene; 1,2-Dimethylbenzene
p-Xylenes	106-42-3	Yes	2,000	p-Dimethylbenzene
Xylenes (mixed isomers)	1330-20-7	Yes	2,000	Dimethylbenzenes

* – The reporting level for specific compounds in this group may be different than the reporting level provided in Table AII-1. Refer to Table AII-2 of this appendix for specific reporting levels for each compound.

** – These pollutants are not listed by name in EPA's list of Hazardous Air Pollutants. The pollutants are included here because they are part of the 'Polycyclic Organic Matter' pollutant group.

*** – These pollutants are not listed by name in EPA's list of Hazardous Air Pollutants. The pollutants are included here because they are part of the 'Glycol Ethers' pollutant group.

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(B) Individual hazardous air pollutants that are part of one of the chemical groups set forth in Table AII-2 below may have different reporting levels. The reporting level for each individual hazardous air pollutant in each chemical group is established Table AII-2. For the purpose of determining major source status as described in Article 2, Section 2 of the LLCAPCPRS, the emissions of all compounds included in each of the chemical groups presented in Table AII-2 below should be aggregated.

Table AII-2

Chemical Name	CAS Number	VOC? (Yes or No)	Reporting Level (lbs/year)	Other Common Names or Designations
Chemical Group: Antimony				
Antimony compounds	7440-36-0	No	2,000	
Antimony pentafluoride	7783-70-2	No	100	
Antimony potassium tartrate	28300-74-5	No	1,000	
Antimony trioxide	1309-64-4	No	1,000	
Antimony trisulfide	1345-04-6	No	100	
Chemical Group: Arsenic				
Arsenic and inorganic arsenic compounds	7440-38-2	No	10	
Arsine	7784-42-1	No	10	
Chemical Group: Beryllium				
Beryllium compounds (except salts)	7440-41-7	No	16	
Beryllium salts	N/A	No	0.04	
Chemical Group: Chromium				
Chromium compounds except Hexavalent and Trivalent	7440-47-3	No	2,000	
Chromium compounds - Hexavalent	18540-29-9	No	4	
Chromium compounds - Trivalent	1308-38-9	No	2,000	Chromium oxide
Chromic chloride	10025-73-7	No	100	
Chemical Group: Cresols				
Cresols/Cresylic acid (mixed and isomers)	1319-77-3	Yes	1,000	
m-Cresol	108-39-4	Yes	1,000	1-Hydroxy-3-methylbenzene
o-Cresol	95-48-7	Yes	1,000	1-Hydroxy-2-methylbenzene
p-Cresol	106-44-5	Yes	1,000	1-Hydroxy-4-methylbenzene
Chemical Group: Cyanide				
Cyanide compounds	57-12-5	No	2,000	
Potassium cyanide	151-50-8	No	100	
Sodium cyanide	14-33-3	No	100	
Chemical Group: Fine Mineral Fibers				
Fine mineral fibers	N/A	No	0	
Ceramic fibers	142844-00-6	No	0	
Erionite	66733-21-9	No	0	
Glass Wool	65997-17-3	No	0	
Rock Wool	N/A	No	0	
Silica (crystalline)	14464-46-1	No	0	
Slag wool	N/A	No	0	
Talc containing asbestos form fibers	14807-96-6	No	0	

Table AII-2

Chemical Name	CAS Number	VOC? (Yes or No)	Reporting Level (lbs/year)	Other Common Names or Designations
Chemical Group: Glycol Ethers				
Glycol ethers	N/A	No	2,000	
2-Ethoxy ethanol	110-80-5	No	2,000	
2-Methoxy ethanol	108-86-4	No	2,000	
Chemical Group: Manganese				
Manganese and manganese compounds, except those below	7439-96-5	No	800	
Methylcyclopentadienyl manganese	12108-13-3	No	100	
Chemical Group: Nickel				
Nickel compounds, except those below	7440-02-0	No	1,000	
Nickel carbonyl	13463-39-3	No	100	
Nickel refinery dust	1-14-6	No	80	
Nickel subsulfide	12035-72-2	No	40	
Chemical Group: Polycyclic Organic Matter (POM)				
Polycyclic Organic Matter (including those marked with ** in Table AII-1)	N/A	Yes	20	POM
2-Acetylaminofluorene	53-96-3	Yes	10	2-AAF
4-Aminobiphenyl	92-67-1	Yes	1,000	Biphenylamine
Benzidine	92-87-5	Yes	0.6	4,4'-Bianiline
Biphenyl	92-52-4	Yes	2,000	Diphenyl
Cabaryl	63-25-2	No	2,000	1-Naphthalenol, methylcarbamate
Chlorobenzilate	510-15-6	Yes	400	4,4'-Dichlorobenzilate
DDE	3547-04-4	Yes	20	Dichlorodiphenyldichloroethylene
Dibenzofurans	132-64-9	No	2,000	2,2'-Biphenylene oxide
3,3'-Dichlorobenzidine	91-94-1	Yes	200	Benzidine 3,3'-Dichloro-
3,3'-Dimethoxybenzidine	119-90-4	Yes	100	3,3'-Dianisidine; Bianisidine
3,3'-Dimethylbenzidine	119-93-7	Yes	16	2-Tolidine
4,4'-Methylene bis(2-chloroaniline)	101-14-4	No	200	MOCA; MBOCA; Bisamine
Methylene diphenyl diisocyanate	101-68-8	No	100	MDI
4-Nitrobiphenyl	92-93-3	Yes	1,000	PNB; 4-Nitrodiphenyl
Quinoline	91-22-5	Yes	12	Benzopyridine
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	No	0.0012	Tetradoxin
Chemical Group: Xylenes				
Xylenes (mixed and isomers)	1330-20-7	Yes	2,000	Dimethylbenzenes
m-Xylenes	108-38-3	Yes	2,000	1,3-Xylene; 1,3-Dimethylbenzene
o-Xylenes	95-47-6	Yes	2,000	1,2-Xylene; 1,2-Dimethylbenzene
p-Xylenes	106-42-3	Yes	2,000	p-Dimethylbenzene

^a – X'CN where X=H' or any other group where formal dissociation may occur (e.g. KCN or Ca(CN)₂).

^b – The "toxic equivalent factor" method in EPA/625/3-89-016, [U.S. EPA (1989) Interim procedures for estimating risk associated with exposure to mixtures] should be used for PCDD/PCDF mixtures. A different de minimis level will be determined for each mixture depending on the equivalency factors which are compound specific.

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- ^c – 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.
- ^d – Include mono- and di-ethers of ethylene glycol, diethylene glycol, and triethylene glycol $R-(OCH_2CH_2)_n-OR'$
- Where:
n = 1, 2, or 3;
R = alkyl C7 or aryl groups less; or
R = phenyl or alkyl substituted phenyl;
R' = R, H; or alkyl C7 or less; or groups which, when removed, yield glycol ethers with the structure: $R-(OCH_2CH_2)_n-OH$. Polymers, as well as ethylene glycol monobutyl ether, are excluded from this category.
OR' consisting of carboxylic acid ester, sulfate, phosphate, nitrate, or sulfonate.
- ^e – Includes organic compounds with more than one benzene ring, and which have a boiling point greater than or equal to 100 °C.
- ^f – A type of atom which spontaneously undergoes radioactive decay.
- ^g – The EPA relies on Subparts B and I, and Appendix E of 40 CFR Part 61 and assigns a de minimis level based on an effective dose equivalent of 0.3 millirem per year for a 7 year exposure period that would result in a cancer risk of 1 per million. The individual radionuclides subject to de minimis levels used for Section 112(g) are also contained in 40 CFR Part 61.

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