

Louisiana Toxic Air Pollutant Ambient Air Standards

Compounds	CAS Number	Class	Ambient Air Standard			
			(µg/m ³) (8-Hour Avg.)	(ppb) (8-Hour Avg.)	(µg/m ³) (Annual Avg.)	(ppb) (Annual Avg.)
Acetaldehyde	75-07-0	II			45.50	25.25
Acetonitrile	75-05-8	II	810.00	482.45		
Acrolein	107-02-8	II	5.40	2.36		
Acrylamide	79-06-1	II			0.08	0.03
Acrylic Acid	79-10-7	III	140.00	47.50		
Acrylonitrile	107-13-1	I			1.47	0.68
Allyl Chloride	107-05-1	II	71.40	22.82		
Ammonia *	7664-41-7	III	640.00	918.85		
Aniline	62-53-3	II	181.00	47.52		
Antimony (and compounds)	7440-36-0	II	11.90	N/A		
Arsenic (and compounds)	7440-38-2	I			0.02	N/A
Asbestos (friable)	1332-21-4	I			†	
Barium (and compounds) *	7440-39-3	II	11.90	N/A		
Benzene	71-43-2	I			12.00	3.76
Beryllium (and compounds)	7440-41-7	I			0.04	N/A
Biphenyl	92-52-4	II	23.80	3.77		
Bis (2-chloroethyl) Ether	111-44-4	I			0.30	0.05
1,3-Butadiene	106-99-0	II			0.92	0.42
n-Butyl Alcohol *	71-36-3	III	3,620.00	1194.13		
Cadmium (and compounds)	7440-43-9	I			0.06	N/A
Carbon Disulfide	75-15-0	II	71.40	22.93		
Carbon Tetrachloride	56-23-5	II			6.67	1.06
Carbonyl Sulfide	463-58-1	III	582.00	236.89		
Chlorinated Dibenzo-p-Dioxines	3268-87-9	II			.003	N/A
Chlorinated Dibenzo Furans	51207-31-9	II			.003	N/A
Chlorine	7782-50-5	III	35.7	12.31		
Chlorine Dioxide*	10049-04-4	II	6.67	2.42		
Chlorobenzene	108-90-7	II	1,100.00	238.94		
Chloroethane	75-00-3	II	6,290.00	2383.60		
Chloroform	67-66-3	II			4.30	0.88
Chloromethane	74-87-3	II			55.56	26.91
Chloroprene	126-99-8	II	857.00	236.66		
Chromium VI (and compounds)	7440-47-3	I			0.01	N/A
Copper (and compounds) *	7440-50-8	II	23.80	N/A		
Cresol	1319-77-3	III	238.00	53.58		
Cumene	98-82-8	III	5,860.00	1192.09		
Diaminotoluene *	25376-45-8	II	181.00			
1,2-Dibromoethane	106-93-4	I			0.45	0.06
Dibutyl Phthalate	84-74-2	II	119.00	10.45		
1,4-Dichlorobenzene	106-46-7	II	1,430.00	237.83		
1,2-Dichloroethane	107-06-2	II			3.85	0.95
Dichloromethane	75-09-2	II			212.77	61.25
1,2-Dichloropropane	78-87-5	II	8,260.00	1787.39		
1,3-Dichloropropylene	542-75-6	II	107.00	23.58		
2,4-Dinitrotoluene *	121-14-2	II	4.76**	0.64		
2,6-Dinitrotoluene	606-20-2	II	4.76**	0.64		
1,4-Dioxane	123-91-1	II	2,140.00	593.84		
Epichlorohydrin	106-89-8	I			83.00	21.93
Ethyl Acrylate	140-88-5	II	476.00	116.25		
Ethylbenzene	100-41-4	II	10,300.00	2372.22		
Ethylene Glycol	107-21-1	III	2,380.00	937.51		

Table 1 (Continued)

Compounds	CAS Number	Class	Ambient Air Standard			
			($\mu\text{g}/\text{m}^3$) (8 Hour Avg.)	(ppb) (8-Hour Avg.)	($\mu\text{g}/\text{m}^3$) (Annual Avg.)	(ppb) (Annual Avg.)
Ethylene Oxide	75-21-8	I			1.00	0.56
Formaldehyde	50-00-0	I			7.69	6.26
Glycol Ethers	109-86-4	II	571.00	N/A		
Hexachloro-1,3-Butadiene	87-68-3	II			4.55	0.43
Hexachlorobenzene	118-74-1	II			0.20	0.02
Hexachloroethane	67-72-1	II			25.00	2.58
n-Hexane	110-54-3	III	4,190.00	1188.46		
Hydrazine	302-01-2	II			0.02	0.02
Hydrochloric Acid	7647-01-0	III	180.00	N/A		
Hydrofluoric Acid	7664-39-3	III	61.90	N/A		
Hydrogen Cyanide*	74-90-8	III	260.00	N/A		
Hydrogen Sulfide *	7783-06-4	III	330.00	236.61		
Maleic Anhydride	108-31-6	III	23.80	N/A		
Manganese (and compounds)	7439-96-5	II	4.76	N/A		
Mercury (and compounds)	7439-97-6	II	1.19	N/A		
Methanol	67-56-1	III	6,240.00	4761.80		
Methyl Ethyl Ketone *	78-93-3	III	14,000.00	4747.57		
Methyl Isobutyl Ketone	108-10-1	III	4,880.00	1191.25		
Methyl Methacrylate	80-62-6	III	9,760.00	2383.46		
Naphthalene (and Methylnaphthalene)	91-20-3	II	1,190.00	N/A		
Nickel (and compounds)	7440-02-0	I		N/A	0.21	N/A
Nickel (refinery dust) *	7440-02-0	I			0.42	N/A
Nitric Acid *	7697-37-2	III	120.00	N/A		
Nitrobenzene	98-95-3	II	119.00	23.63		
2-Nitropropane	79-46-9	II			20.00	5.49
Phenol	108-95-2	II	452.00	117.43		
Phosgene	75-44-5	III	9.50	2.35		
Phthalic Anhydride	85-44-9	III	145.00	N/A		
Polynuclear Aromatic Hydrocarbons	206-44-0	II			0.06	N/A
Propionaldehyde	123-38-6	III	4,290.00	1805.97		
Propylene Oxide	75-56-9	I			27.00	5.84
Pyridine *	110-86-1	III	381.00	117.77		
Selenium (and compounds)	7782-49-2	II	4.76	N/A		
Styrene	100-42-5	II	5,070.00	1190.34		
Sulfuric Acid *	7664-93-9	III	23.80	N/A		
1,1,2 Tetrachloroethane	79-34-5	II			1.70	0.25
Tetrachloro Ethylene	127-18-4	II			105.26	15.52
Toluene	108-88-3	III	8,900.00	2361.93		
Toluene-2,4-Diisocyanate	584-84-9	II	0.86**	0.12		
Toluene-2,6-Diisocyanate *	91-08-7	II	0.86**	0.12		
1,1,1-Trichloroethane	71-55-6	III	45,200.00	8283.17		
1,1,2-Trichloroethane	79-00-5	II			6.25	1.15
Trichloroethylene	79-01-6	II			58.80	10.94
Vinyl Acetate	108-05-4	III	830.00	235.72		
Vinyl Chloride	75-01-4	I			1.19	0.47
Vinylidene Chloride	75-35-4	II			2.00	0.50
Xylene (mixed isomers)	1330-20-7	II	10,300.00	2372.00		
Zinc (and compounds)	7440-66-6	III	119.00	N/A		

† Refer to standards pursuant to LAC 33:III.5151; *: TAPS not on the Federal HAP list; **: including mixed isomers; NA: ppb (by volume) cannot be calculated.

