

Chemical	CAS No.	De Minimis				Cancer Risk			Chronic Noncancer Risk						
		Lb/Yr ³	Lb/Ave Period	Lb/Hr	C/NC ⁴	BAC _C µg/m ³	Basis of BAC _C Source	Date	BAC _{NC} µg/m ³	Ave Period	Type	Basis of BAC _{NC} Source	Date		
Category 1 TACs															
1	Acrylonitrile	107-13-1		7.20		0.008	C	0.015	IRIS	1/1/1991	2	Annual	RfC	IRIS	12/1/1991
2	Arsenic and arsenic compounds ¹	7440-38-2		0.11		0.00012	C	0.00023	IRIS	4/10/1998	0.015	Annual	REL	Cal	12/1/2008
3	Benzene	71-43-2		216		0.243	C	0.45	IRIS	1/9/2000	30	Annual	RfC	IRIS	4/17/2003
4	Bromoform	75-25-2		437		0.49	C	0.91	IRIS	1/1/1991	70	Annual	RfD	IRIS	3/1/1991
5	1,3-Butadiene	106-99-0		14.4		0.016	C	0.03	IRIS	11/5/2002	2	Annual	RfC	IRIS	11/5/2002
6	Cadmium and cadmium compounds ¹	7440-43-9		0.27		0.0003	C	0.00056	IRIS	6/1/1992	0.02	Annual	REL	Cal	1/1/2001
7	Carbon tetrachloride	56-23-5		81.6		0.092	C	0.17	IRIS	3/31/2010	0.1	Annual	RfC	IRIS	3/31/2010
8	Chloroform	67-66-3		20.6		0.023	C	0.043	IRIS	10/19/2001	300	Annual	REL	Cal	4/1/2000
9	Chloroprene [2-Chloro-1,3-butadiene]	126-99-8		0.96		0.0011	C	0.002	MI ^{N,IA}	11/22/2000	0.02	Annual	RfC	IRIS	9/30/2010
10	Chromium ^{hexavalent} & Cr compounds ¹	7440-47-3		0.040		0.000045	C	0.000083	IRIS	9/3/1998	0.008	Annual	RfC	IRIS	9/3/1998
	Chromium ^{trivalent} & Cr compounds ¹	16065-83-1	0.10	110		0.10	NC				5	8hr	ITSL	Mich	12/26/1995
11	1,4-Dichlorobenzene	106-46-7		43.7		0.049	C	0.091	CA ^{N,IA}	4/1/1999	800	Annual	RfC	IRIS	11/1/1996
12	Ethyl acrylate	140-88-5		33.6		0.038	C	0.07	MI ^{IA}	2/8/1984	30	24hr	ITSL	Mich	
13	Formaldehyde	50-00-0		37.0		0.042	C	0.077	IRIS	5/1/1991	9	Annual	REL	Cal	12/1/2008
14	Methylene chloride [Dichloromethane]	75-09-2		1,008		1.13	C	2.1	IRIS	2/1/1995	400	Annual	REL	Cal	2/1/2000
15	Nickel and nickel compounds ¹	7440-02-0		1.82		0.002	C	0.0038	CA ^{N,IA}	8/1/1991	0.05	Annual	REL	Cal	2/1/2000
16	Perchloroethylene [Tetrachloroethylene]	127-18-4		81.6		0.092	C	0.17	CA ^{N,IA}	10/1/1991	35	Annual	REL	Cal	10/1/1991
17	Trichloroethylene	79-01-6		240		0.270	C	0.5	CA ^{N,IA}	10/1/1990	600	Annual	REL	Cal	4/1/2000
18	Vinyl chloride	75-01-4		110		0.12	C	0.23	IRIS	8/7/2000	100	Annual	RfC	IRIS	8/7/2000
Category 2 TACs															
1	Aluminum (fume or dust)	7429-90-5		1,095	1.0	1.0	NC				50	8hr	OEL	NIOSH	
2	Ammonia	7664-41-7		48,000	48,000	54.0	NC				100	Annual	RfC	IRIS	5/1/1991
3	Boron trifluoride	7637-07-2		30.7	0.084	0.035	NC				0.7	24hr	ITSL	Mich	5/7/1997
4	Butyl acrylate	141-32-2		2,190	2	2	NC				100	8hr	ITSL	Mich	11/3/1992
5	Chlorine	7782-50-5		96.0	96	0.11	NC				0.2	Annual	REL	Cal	2/1/2000
6	Cobalt and cobalt compounds ¹	7440-48-4		4.38	0.004	0.004	NC				0.2	8hr	ITSL	Mich	5/15/1995
7	Copper and copper compounds ¹	7440-50-8		43.8	0.04	0.04	NC				2	8hr	ITSL	Mich	
8	Diisocyanates ³	Various													
	1,6-Hexamethylene diisocyanate	822-06-0		4.80	4.8	0.005	NC				0.01	Annual	RfC	IRIS	9/1/1994
	Isophorone diisocyanate	4098-71-9		9.86	0.009	0.009	NC				0.45	8hr	OEL	NIOSH	
	Methylene bis (4-cyclohexylisocyanate)	5124-30-1		24.1	0.02	0.02	NC				1.1	8hr	OEL	NIOSH	
	Methylene diphenyl diisocyanate [MDI]	101-68-8		288	288	0.32	NC				0.6	Annual	RfC	IRIS	2/7/1998
*	Polymeric diphenylmethane diisocyanate	9016-87-9		26.3	0.072	0.03	NC				0.6	24hr	ITSL	Mich	
9	Glycol ethers ³	Various													
	Diethylene glycol monobutyl ether	112-34-5		876	2.4	1.0	NC				20	24hr	ITSL	Mich	10/19/1992
	Diethylene glycol monobutyl ether acetate	124-17-4		1,095	3.0	1.3	NC				25	24hr	ITSL	Mich	9/22/1993
*	Diethylene glycol monoethyl ether	111-90-0		76,650	210	87.5	NC				1,750	24hr	ITSL	Mich	2/5/1996
	Diethylene glycol ethyl ether acrylate	7328-17-8		19.2	19.2	0.022	NC				0.04	Annual	Dflt		
	Diethylene glycol monoethyl ether acetate	112-15-2		8,640	8,640	9.72	NC				18	Annual	ITSL	Mich	5/31/1994
*	Diethylene glycol methyl ether	111-77-3		8,322	22.8	9.5	NC				190	24hr	ITSL	Mich	2/28/1996
	Ethylene glycol dibutyl ether	112-48-1		4,800	4,800	5.4	NC				10	Annual	ITSL	Mich	1/10/1995
	Ethylene glycol ethyl ether	110-80-5		96,000	96,000	108	NC				200	Annual	RfC	IRIS	5/1/1991
	Ethylene glycol ethyl ether acetate	111-15-9		144,000	144,000	162	NC				300	Annual	REL	Cal	2/1/2000
	Ethylene glycol methyl ether	109-86-4		28,800	28,800	32.4	NC				60	Annual	REL	Cal	2/1/2000
	Ethylene glycol methyl ether acetate	110-49-6		43,200	43,200	48.6	NC				90	Annual	REL	Cal	2/1/2000
	Ethylene glycol monobutyl ether acetate	112-07-2		770,880	2,112	880	NC				17,600	24hr	ITSL	Mich	1/5/2000
	Ethylene glycol monopropyl ether	2807-30-9		14,400	14,400	16.2	NC				30	Annual	ITSL	Mich	4/6/1993
10	Hydrochloric acid [Hydrogen chloride] ²	7647-01-0		9,600	9,600	10.8	NC				20	Annual	RfC	IRIS	7/1/1995
11	Hydrofluoric acid [Hydrogen fluoride]	7664-39-3		6,720	6,720	7.6	NC				14	Annual	REL	Cal	8/1/2003
12	Lead compounds ¹	Various		38.4		0.04	C	0.08	CA ^{N,IA}	4/1/1997					
13	Manganese and Mn compounds ¹	7439-96-5		24.0	24	0.027	NC				0.05	Annual	RfC	IRIS	12/1/1993
14	Naphthalene	91-20-3		13.9		0.016	C	0.029	CA ^{N,IA}	8/1/2004	3	Annual	RfC	IRIS	9/17/1998
15	Nitric acid	7697-37-2		1,095	1.0	1.0	NC				50	8hr	ITSL	Mich	2/1/1993
16	Sulfuric acid	7664-93-9		480	480	0.54	NC				1	Annual	REL	Cal	12/1/2001
17	Toluene	108-88-3		2,400,000	2,400,000	2,700	NC				5,000	Annual	RfC	IRIS	9/23/2005

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							Source	Date				Source	Date	
18	1,2,4-trimethylbenzene	95-63-6	9,636	26.4	11	NC			220	24hr	ITSL	Mich	8/12/1996	
19	Xylene (mixed isomers)	1330-20-7	48,000	48,000	54.0	NC			100	Annual	RfC	IRIS	2/21/2003	
Category 3 TACs														
1	Acetaldehyde	75-07-0	216		0.24	C	0.45	IRIS	1/1/1991	9	Annual	RfC	IRIS	10/1/1991
2	Acrolein	107-02-8	9.6	10	0.011	NC			0.02	Annual	RfC	IRIS	6/3/2003	
3	Beryllium and beryllium compounds ¹	7440-41-7	0.20		0.00023	C	0.00042	IRIS	4/3/1998	0.02	Annual	RfC	IRIS	4/3/1998
* 4	Coke oven emissions	8007-45-2	0.96		0.0011	C	0.002	IRIS	3/1/1994	1.5	8hr	OEL	NIOSH	9/1/2005
* 5	1,3-Dichloropropene	542-75-6	120		0.14	C	0.25	IRIS	5/25/2000	20	Annual	RfC	IRIS	5/25/2000
* 6	Diesel particulate matter		1.58		0.0018	C	0.0033	CA ^{N,IA}	8/1/1998	5	Annual	RfC	IRIS	2/28/2003
* 7	Ethylene dibromide [1,2-Dibromoethane]	106-93-4	0.96		0.0011	C	0.002	IRIS	7/29/2004	9	Annual	RfC	IRIS	7/29/2004
* 8	Ethylene dichloride [1,2-Dichloroethane]	107-06-2	18.2		0.021	C	0.038	IRIS	1/1/1991	400	Annual	REL	Cal	1/1/2001
9	Ethylene oxide	75-21-8	5.28		0.006	C	0.011	CA ^{N,IA}	11/1/1987	30	Annual	REL	Cal	1/1/2001
* 10	Hexachlorobenzene	118-74-1	1.06		0.0012	C	0.0022	IRIS	11/1/1996	2.8	Annual	RfD	IRIS	4/1/1991
* 11	Hydrazine	302-01-2	0.096		0.0001	C	0.0002	IRIS	4/1/1991	0.2	Annual	REL	Cal	1/1/2001
12	Mercury and mercury compounds	7439-97-6	144	144	0.162	NC			0.3	Annual	RfC	IRIS	6/1/1995	
* 13	Polychlorinated biphenyls [PCBs]	1336-36-3	4.80		0.0054	C	0.01	IRIS	6/1/1997	1.2	Annual	REL	Cal	1/1/1991
14	Polycyclic organic matter ⁶ [POM] as BaP	50-32-8	0.44		0.00049	C	0.00091	CA ^{N,IA}	4/1/1999					
	Benz[a]anthracene	56-55-3	4.37		0.0049	C	0.0091	CA ^{N,IA}	4/1/1999					
	Benzo[a]pyrene	50-32-8	0.44		0.00049	C	0.00091	CA ^{N,IA}	4/1/1999					
	Benzo[b]fluoranthene	205-99-2	4.37		0.0049	C	0.0091	CA ^{N,IA}	4/1/1999					
*	Benzo[j]fluoranthene	205-82-3	4.37		0.0049	C	0.0091	CA ^{N,IA}	4/1/1999					
	Benzo[k]fluoranthene	207-08-9	4.37		0.0049	C	0.0091	CA ^{N,IA}	4/1/1999					
	Chrysene	218-01-9	43.7		0.049	C	0.091	CA ^N	4/1/1999					
	Dibenz[a,h]anthracene	53-70-3	0.398		0.00045	C	0.00083	CA ^{N,IA}	4/1/1999					
*	7,12-Dimethylbenz[a]anthracene	57-97-6	0.0067		0.000008	C	0.000014	CA ^N	4/1/1999					
	Indeno[1,2,3-cd]pyrene	193-39-5	4.37		0.0049	C	0.0091	CA ^{N,IA}	4/1/1999					
*	3-Methylchloranthrene	56-49-5	0.077		0.000086	C	0.00016	CA ^N	4/1/1999					
*	Quinoline ⁸ (also Cat. 3 No. 16 TAC)	91-22-5	0.480		0.00054	C	0.001	MI ^B	9/27/2001	0.04	Annual	Dflt		
* 15	Propylene dichloride [1,2-Dichloropropane]	78-87-5	1,920	1,920	2.2	NC			4	Annual	RfC	IRIS	12/1/1991	
* 16	Quinoline ⁸	91-22-5	0.480		0.00054	C	0.001	MI ^B	9/27/2001	0.04	Annual	Dflt		
* 17	1,1,1,2-Tetrachloroethane	79-34-5	8.16		0.0092	C	0.017	CA ^N	4/1/1999	70.0	8hr	OEL	NIOSH	5/20/2005
Category 4 TACs														
1	Acetamide	60-35-5	24.0		0.027	C	0.05	CA ^I	4/1/1999					
2	Acetonitrile	75-05-8	28,800	28,800	32.4	NC			60	Annual	RfC	IRIS	3/3/1999	
3	Acetophenone	98-86-2	168,000	168,000.0	189	NC			350	Annual	RfD	IRIS	1/1/1989	
4	2-Acetylaminofluorene	53-96-3	0.192		0.000216	C	0.0004	Dflt ^{N,IA}						
5	Acrylamide	79-06-1	4.80		0.0054	C	0.01	IRIS	7/1/1993	6	Annual	RfC	IRIS	3/22/2010
6	Acrylic acid	79-10-7	480	480	0.54	NC			1	Annual	RfC	IRIS	5/1/1995	
7	Allyl chloride	107-05-1	81.6		0.0918	C	0.17	CA	4/1/1999	1	Annual	RfC	IRIS	5/1/1995
8	4-Aminobiphenyl	92-67-1	0.192		0.000216	C	0.0004	Dflt ^{N,IA}						
9	Aniline	62-53-3	302.4		0.3402	C	0.63	CA	4/1/1999	1	Annual	RfC	IRIS	12/1/1993
10	o-Anisidine	90-04-0	0.192		0.000216	C	0.0004	Dflt ^{IA}		5	8hr	OEL	NIOSH	2/3/2009
11	Antimony and antimony compounds ¹	7440-36-0	672	672	0.756	NC			1.4	Annual	RfD	IRIS	2/1/1991	
12	Asbestos	1332-21-4	2.54		0.002862	C	0.0053	CA	3/1/1986					
13	Aziridine [Ethyleneimine]	151-56-4	0.192		0.000216	C	0.0004	Dflt ^{N,IA}						
14	Baygon [Propoxur]	114-26-1	6,720	6,720	7.56	NC			14	Annual	RfD	IRIS	7/1/1992	
* 15	Benzidine	92-87-5	0.0072		0.000008	C	0.000015	IRIS	7/1/1993	10.5	Annual	RfD	IRIS	2/1/1995
16	p-Benzoquinone [Quinone]	106-51-4	87.6	0.08	0.08	NC			4	8hr	OEL	NIOSH	2/3/2009	
17	Benzotrichloride	98-07-7	0.1920		0.000216	C	0.0004	Dflt ^{N,IA}						
* 18	Benzyl chloride	100-44-7	9.60		0.011	C	0.02	CA	4/1/1999	50	8hr	OEL	NIOSH	2/3/2009
19	Biphenyl	92-52-4	84,000	84000	94.50	NC			175	Annual	RfD	IRIS	8/1/1989	
20	Bis (2-ethylhexyl) phthalate [DEHP] [DOP]	117-81-7	202		0.23	C	0.42	CA	4/1/1999	70	Annual	RfD	IRIS	5/1/1991
21	Bis(2-chloroethyl) ether [Dichloroethylether]	111-44-4	0.672		0.000756	C	0.0014	CA	4/1/1999	300	8hr	OEL	NIOSH	2/3/2009
22	Bis (chloromethyl) ether	542-88-1	0.0077		8.64E-06	C	0.000016	IRIS	1/1/1991					
* 23	Bromomethane [Methyl bromide]	74-83-9	2,400	2,400	2.7	NC			5	Annual	RfC	IRIS	10/1/1992	
24	Calcium cyanamide	156-62-7	110	0.1	0.1	NC			5	8hr	OEL	NIOSH	2/3/2009	
25	Captan	133-06-2	218,400	218,400	245.7	NC			455	Annual	RfD	IRIS	3/1/1989	
26	Carbaryl	63-25-2	168,000	168,000	189	NC			350	Annual	RfD	IRIS	3/1/1988	

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								Source	Date				Source	Date
	Carbon disulfide	75-15-0	336,000	336,000	378	NC				700	Annual	RfC	IRIS	8/1/1995
	Carbonyl sulfide	463-58-1	4,320	4,320	4.9	NC				9	Annual	ITSL	Mich	7/6/1995
	Catechol	120-80-9	4,380	4	4	NC				200	8hr	OEL	NIOSH	2/3/2009
	Chloramben	133-90-4	25,200	25,200	28.35	NC				52.5	Annual	RfD	IRIS	3/1/1988
	Chlordane	57-74-9	110	0.1	0.1	NC				5	8hr	OEL	NIOSH	2/3/2009
	Chlorinated camphene [Toxaphene]	8001-35-2	1.44		0.00162	C	0.003	MI						
	Chloroacetic acid	79-11-8	0.192		0.000216	C	0.0004	Dfit ^{N,IA}						
	2-Chloroacetophenone	532-27-4	14.4	14	0.0162	NC				0.03	Annual	RfC	IRIS	10/1/1991
	Chlorobenzene	108-90-7	480,000	480,000	540	NC				1,000	Annual	REL	Cal	1/1/2001
	Chlorobenzilate	510-15-6	33,600	33,600	37.8	NC				70	Annual	RfD	IRIS	12/1/1989
	1-Chloro-2,3-epoxypropane [Epichlorohydrin]	106-89-8	20.6		0.02322	C	0.043	CA	4/1/1999	1	24hr	ITSL	Mich	
	Chloroethane [Ethyl chloride]	75-00-3	48,000	48,000	54	NC				100	Annual	RfC	IRIS	4/1/1991
*	Chloromethane [Methyl chloride]	74-87-3	768		0.86	C	1.6	MI	12/16/1985	90	Annual	RfC	IRIS	7/17/2001
	Chloremethyl methyl ether [CMME]	107-30-2	0.192		0.000216	C	0.0004	Dfit ^{N,IA}						
	Cresol/Cresylic acid (mixed isomers)	1319-77-3	288,000	288,000	324	NC				600	Annual	REL	Cal	1/1/2001
	o-Cresol	95-48-7	288,000	288,000	324	NC				600	Annual	REL	Cal	1/1/2001
	m-Cresol	108-39-4	288,000	288,000	324	NC				600	Annual	REL	Cal	1/1/2001
	p-Cresol	106-44-5	288,000	288,000	324	NC				600	Annual	REL	Cal	1/1/2001
	Cumene [isopropyl benzene]	98-82-8	192,000	192,000	216	NC				400	Annual	RfC	IRIS	8/1/1997
	DDE [1,1-Dichloro-2,2-bis (p-chlorophenyl) ethylene]	72-55-9	4.80		0.0054	C	0.01	MI						
	Diazomethane	334-88-3	87.6	0.08	0.08	NC				4	8hr	OEL	NIOSH	2/3/2009
	Dibenzofuran	132-64-9	48.0	48	0.054	NC				0.1	Annual	ITSL	Mich	
	1,2-Dibromo-3-chloropropane	96-12-8	0.240		0.00027	C	0.0005	CA	4/1/1999	0.2	Annual	RfC	IRIS	10/1/1991
	Dibutyl phthalate	84-74-2	1,095	1.0	1.0	NC				50	8hr	ITSL	Mich	9/20/1999
	3,3'-Dichlorobenzidine	91-94-1	1.44		0.0016	C	0.003	CA	4/1/1999					
	1,1-Dichloroethane [Ethylidene dichloride]	75-34-3	302		0.34	C	0.63	CA	4/1/1999	500	24hr	ITSL	Mich	8/25/1997
	1,1-Dichloroethylene [Vinylidene chloride]	75-35-4	96,000	96000	108	NC				200	Annual	RfC	IRIS	8/13/2002
	2,4-Dichlorophenoxyacetic acid ¹⁰ [2,4-D]	94-75-7	16,800	16800.0	18.9	NC				35	Annual	RfD	IRIS	5/5/1988
	Dichlorvos	62-73-7	240	240.0	0.3	NC				0.5	Annual	RfC	IRIS	6/1/1994
	Diethanolamine	111-42-2	1,440	1440.0	1.6	NC				3	Annual	REL	Cal	12/1/2001
	1,4-Diethyleneoxide [1,4-Dioxane]	123-91-1	62.4		0.07	C	0.13	CA	4/1/1999	3,000	Annual	REL	Cal	4/1/2000
	Diethyl sulfate	64-67-5	480	480.0	0.54	NC				1	Annual	ITSL	Mich	
	3,3'-Dimethoxybenzidine	119-90-4	0.192		0.0002	C	0.0004	Dfit ^{N,IA}						
	4-Dimethylaminoazobenzene	60-11-7	0.384		0.0004	C	0.0008	CA	4/1/1999					
	N,N-Dimethylaniline	121-69-7	40.8		0.05	C	0.085	MI		7	Annual	RfD	IRIS	3/1/1988
	3,3'-Dimethylbenzidine	119-93-7	4.38	0.004	0.004	NC				0.2	8hr	OEL	NIOSH	2/3/2009
	Dimethylcarbamoyl chloride	79-44-7	0.192		0.0002	C	0.0004	Dfit ^{N,IA}						
	N,N-Dimethylformamide [DMF]	68-12-2	14,400	14,400	16.2	NC				30	Annual	RfC	IRIS	10/1/1990
	1,1-Dimethylhydrazine	57-14-7	32.9	0.03	0.03	NC				1.5	8hr	OEL	NIOSH	2/3/2009
	Dimethyl phthalate	131-11-3	1,095	1.0	1.0	NC				50	8hr	OEL	NIOSH	2/3/2009
*	Dimethyl sulfate	77-78-1	0.19		0.0002	C	0.0004	Dfit ^{N,IA}		0.5	8hr	ITSL	Mich	4/27/1993
	4,6-Dinitro-o-cresol including salts	534-52-1	43.8	0.04	0.04	NC				2	8hr	OEL	NIOSH	2/3/2009
	2,4-Dinitrophenol	51-28-5	3,360.0	3360.0	3.78	NC				7	Annual	RfD	IRIS	7/1/1991
*	2,4-Dinitrotoluene	121-14-2	5.28		0.0059	C	0.011	Cal ^{IA}	4/1/1999	7	Annual	RfD	IRIS	2/1/1993
	1,2-Diphenylhydrazine	122-66-7	2.16		0.0024	C	0.0045	IRIS	1/1/1991					
	1,2-Epoxybutane	106-88-7	576.0		0.65	C	1.2	MI		2	Annual	RfC	IRIS	5/1/1992
	Ethylbenzene	100-41-4	192		0.22	C	0.4	CA	11/1/2007	1,000	Annual	RfC	IRIS	3/1/1991
	Ethyl carbamate [Urethane]	51-79-6	1.63		0.0018	C	0.0034	CA	4/1/1999					
*	Ethylene glycol	107-21-1	192,000	192,000	216	NC				400	Annual	REL	Cal	4/1/2000
	Ethylene thiourea	96-45-7	37.0		0.0416	C	0.077	CA	4/1/1999	0.28	Annual	RfD	IRIS	11/1/1996
	Heptachlor	76-44-8	0.384		0.00043	C	0.0008	IRIS	7/1/1993	2	Annual	RfD	IRIS	3/1/1991
	Hexachlorobutadiene	87-68-3	21.6		0.0243	C	0.045	IRIS	4/1/1991	2.4	8hr	OEL	NIOSH	2/3/2009
	1,2,3,4,5,6-Hexachlorocyclohexane													
	All stereo isomers, including Lindane	58-89-9	1.54		0.0017	C	0.0032	CA	4/1/1999	1	Annual	RfD	IRIS	3/1/1988
	Hexachlorocyclopentadiene	77-47-4	96.0	96	0.108	NC				0.2	Annual	RfC	IRIS	7/5/2001
	Hexachloroethane	67-72-1	120		0.135	C	0.25	IRIS	2/1/1994	4	Annual	RfD	IRIS	4/1/1991
	Hexamethylene-1,6-diisocyanate	822-06-0	4.80	4.80	0.0054	NC				0.01	Annual	RfC	IRIS	9/1/1994
	Hexamethylphosphoramide	680-31-9	0.192		0.0002	C	0.0004	Dfit ^{N,IA}						
	Hexane	110-54-3	336,000	336,000	378	NC				700	Annual	RfC	IRIS	12/23/2005
	Hexone [Methyl isobutyl ketone, MIBK]	108-10-1	1,440,000	1,440,000	1,620	NC				3,000	Annual	RfC	IRIS	4/25/2003

Chemical	CAS No.	De Minimis				Cancer Risk			Chronic Noncancer Risk					
		Lb/Yr ⁵	Lb/Ave Period	Lb/Hr	C/NC ⁴	BAC _C µg/m ³	Basis of BAC _C Source	Date	BAC _{NC} µg/m ³	Ave Period	Type	Basis of BAC _{NC} Source	Date	
* 83	Hydroquinone	123-31-9	438	0.4	0.4	NC				20	8hr	OEL	NIOSH	2/3/2009
84	Iodomethane [Methyl iodide]	74-88-4	2,190	2.0	2.0	NC				100	8hr	OEL	NIOSH	2/3/2009
85	Isophorone	78-59-1	1,776		2.0	C	3.7	MI	6/2/1998	2,000	Annual	REL	Cal	12/1/2001
86	Maleic anhydride	108-31-6	336	336	0.38	NC				0.7	Annual	REL	Cal	12/15/2001
87	Methanol	67-56-1	1,920,000	1,920,000	2,160	NC				4,000	Annual	REL	Cal	4/1/2000
88	Methoxychlor	72-43-5	8,400	8,400	9.45	NC				18	Annual	RfD	IRIS	8/1/1991
89	2-Methylaziridine [1,2-Propylenimine]	75-55-8	1,095	1.0	1	NC				50	8hr	OEL	NIOSH	2/3/2009
90	Methyl chloroform [1,1,1-trichloroethane]	71-55-6	2,400,000	2,400,000	2700	NC				5,000	Annual	RfC	IRIS	9/28/2007
* 91	Methylhydrazine	60-34-4	4.18		0.0047	C	0.0087	MI		0.03	24hr	ITSL	Mich	
92	Methyl isocyanate	624-83-9	11.0	0.01	0.0100	NC				0.50	8hr	OEL	NIOSH	2/3/2009
93	Methyl methacrylate [MMA]	80-62-6	336,000	336,000	378	NC				700	Annual	RfC	IRIS	3/2/1998
* 94	Methyl tert-butyl ether [MTBE]	1634-04-4	1,824		2.052	C	3.8	CA	11/1/1999	3,000	Annual	RfC	IRIS	9/1/1993
107	Phenol	108-95-2	96,000	96,000	108	NC				200	Annual	REL	Cal	4/1/2000
109	Phosgene	75-44-5	144	144	0.16	NC				0.3	Annual	RfC	IRIS	1/31/2006
110	Phosphine	7803-51-2	144	144	0.16	NC				0.3	Annual	RfC	IRIS	7/1/1995
111	Phosphorous and phosphorous compounds ¹	7723-14-0	33.6	33.6	0.038	NC				0.07	Annual	RfD	IRIS	2/1/1993
*	Phosphoric acid	7664-38-2	4,800	4,800	5.4	NC				10	Annual	RfC	IRIS	8/1/1995
*115	Propionaldehyde	123-38-6	3,840	3,840	4.3	NC				8	Annual	RfC	IRIS	9/30/2008
117	Styrene	100-42-5	816		0.92	C	1.7	MI ^{1A}	11/5/1992	1,000	Annual	RfC	IRIS	7/1/1993
124	1,2,4-Trichlorobenzene	120-82-1	16800	16800	18.90	NC				35	Annual	RfD	IRIS	11/1/1996
*128	Triethylamine	121-44-8	3,360	3,360	3.8	NC				7	Annual	RfC	IRIS	4/1/1991
*130	2,2,4-Trimethylpentane ¹¹	540-84-1	76,650	70	70	NC				3,500	8hr	ITSL	Mich	
*131	Vinyl acetate	108-05-4	96,000		108	C	318	EU	8/19/2008	200	Annual	RfC	IRIS	10/1/1990
*133	Cyanide and cyanide compounds ¹	57-12-5	4,320	4,320	4.9	NC				9.0	Annual	REL	Cal	4/1/2000
136	Selenium and selenium compounds ¹	7782-49-2	9,600	9,600	10.8	NC				20	Annual	REL	Cal	12/1/2001
Unlisted TACs (informational only)⁷														
	2-Butanone [Methyl ethyl ketone] [MEK]	78-93-3	2,400,000	2,400,000	2,700	NC				5,000	Annual	RfC	IRIS	9/26/2003
	Dipropylene glycol methyl ether acetate	88917-22-0	40,734	112	47	NC				930	24hr	ITSL	Mich	
	2-Ethylhexyl 2-cyano-3,3-diphenylacrylate	6197-30-4	19.2	19.2	0.022	NC				0.04	Annual	Dflt		
	Sodium methylate	124-41-4	48.0	48.0	0.054	NC				0.1	Annual	ITSL	Mich	11/10/1998

Last Revised 1/4/11

* New or revised entry since 6-5-07

See "Changes" document at <http://www.louisvilleky.gov/APCD/STAR/STARLinks.htm> for new or revised BAC entries January 1, 2007, to September 30, 2008

^N Listed as a carcinogen by the National Toxicology Program (NTP)

^{1A} Listed as a carcinogen by the International Agency for Research on Cancer (IARC)

Dflt = Default value for BAC_C (0.0004 µg/m³) or BAC_{NC} (0.04 µg/m³) is applicable

¹ The Benchmark Ambient Concentration (BAC) is given for the base element, for example, arsenic for an arsenic compound. If a specific compound is specified, then a BAC may be determined for that specific compound instead, pursuant to the methodology in Regulation 5.20.

² This TAC includes hydrogen chloride gas and hydrochloric acid aerosols including mists, vapors, fog, and other airborne forms of any particle size.

³ The BAC would be derived for a specific compound in this category of compounds.

⁴ The basis of the de minimis values is either the cancer risk (C) or the noncancer risk (NC)

⁵ If the basis of the de minimis value is the noncancer risk (NC) and the averaging period is not annual, then the annual pound-per-year (lb/yr) value is for informational purposes, and eligibility for being de minimis is determined by the pound-per-hour and pound-per-averaging period values.

⁶ Benzo[a]pyrene, also represented as 7-PAH: Includes organic compounds with more than one benzene ring, and which have a boiling point greater than or equal to 100 degrees C. The seven polycyclic aromatic hydrocarbon (7-PAH) compounds are Benz[a]anthracene, Benzo[b]fluoranthene, Benzo[k]fluoranthene, Benzo[a]pyrene, Chrysene, Debenz[a,h]anthracene, and Indeno[1,2,3-cd]pyrene.

⁷ The inclusion of BACs and de minimis values for a TAC that is not a Category 1, 2, 3, or 4 TAC is for informational purposes, and does not establish a requirement to demonstrate environmental acceptability for this TAC.

⁸ Quinoline, CAS No. 91-22-5 is also classified as polycyclic organic matter (POM), which is classified as a carcinogen by both NTP and IARC

⁹ The Category 4 TACs have been renumbered to reflect the number assigned in the 7-19-06 version of Regulation 5.23.

¹⁰ 2,4-Dichlorophenoxyacetic acid includes salts and esters

¹¹ Combined BAC_{NC} of all applicable petroleum hydrocarbon materials with Footnote #11. This includes mineral spirits, naphthas, stoddard solvent, and kerosene.

Chemical	CAS No.	De Minimis				Cancer Risk			Chronic Noncancer Risk				
		Lb/Yr ³	Lb/Ave Period	Lb/Hr	C/ NC ⁴	BAC _C µg/m ³	Basis of BAC _C		BAC _{NC} µg/m ³	Ave Period	Type	Basis of BAC _{NC}	
						Source	Date				Source	Date	
IRIS	EPA's Integrated Risk Information System												
CAL	California Office of Environmental Health Hazard Assessme												
MI	Michigan Air Quality Division												
NTP	National Toxicology Program												
IARC	International Agency for Research on Cancer												
ATSDR	Agency for Toxic Substances & Disease Registry												
NIOSH	National Institute of Occupational Safety and Health												
ACGIH	American Conference of Governmental and Industrial Hygie												
EU	European Union's Risk Assessment												

NB: The District believes that the information contained in this table is correct and complies with regulations pertaining to BACs and de minimis values. However, in the case of an inconsistency with the regulations, the regulations are controlling.

ITSL	Initial Threshold Screening Level	in units of µg/m ³
OEL	Occupational Exposure Level	in units of µg/m ³
REL	Reference Exposure Level	in units of µg/m ³
RfC	Reference Concentration	in units of µg/m ³
RfD	Reference Exposure Level, in units of µg/kg-c	in units of µg/kg-day
TLV	Threshold Limit Value	in units of µg/m ³
NOAEL	No Observed Adverse Effect Level	in units of µg/m ³
LOAEL	Lowest Observable Adverse Effect Level	in units of µg/m ³