Table 2. Michigan Department Environmental Quality - Air Quality Division
List of Screening Levels (ITSL, IRSL and SRSL) in CAS Number Order

CAS No.	Chemical	note	1º ITSL (µg/m³)	ITSL Avg Time	2º ITSL (µg/m³)	ITSL Avg Time	IRSL (µg/m³)	SRSL (µg/m³)	IRSL Avg Time
- -0	epoxy resin solution		6	annual					
- -0	2-(1-ethoxyethoxy)-6-(trifluoromethyl)-benzenethiol		0.1	annual					
- -0	atlox 848		0.1	annual					
- -0	biosam tp-1.5	4	0.02	1 hr					
- -0	heptamethyl-1-vinyl-1,7-dichlorotetrasilazane		0.1	annual					
- -0	amyl acetate (mixture)		1100	annual					
- -0	ad acid		17	annual					
- -0	n-butylglucamine		6.4	annual					
- -0	2-mercapto-3-(trifluoromethyl)-phenol		0.1	annual					
- -0	n-chloro-2,6-difluorobenzamide		0.1	annual					
- -0	triethylammonium suleptanate		17	annual					
50-00-0	formaldehyde		30	24 hr			0.08	0.8	annual
50-03-3	hydrocortisone acetate		15	annual					
50-21-5	lactic acid		7	annual					
50-28-2	estradiol		0.1	annual					
50-29-3	ddt	12					0.01	0.1	annual
50-32-8	benzo(a)pyrene	5					0.0006	0.006	annual
51-28-5	2,4-dinitrophenol		7	annual					
53-36-1	methyl predisolone acetate		43	annual					
53-70-3	dibenz(a,h)anthracene	5							annual
56-23-5	carbon tetrachloride		480	annual			0.17	1.7	annual
56-49-5	3-methylcholanthrene	5							
56-55-3	benz(a)anthracene	5							annual
56-81-5	glycerol		100	8 hr					
57-11-4	stearic acid		100	8 hr					
57-12-5	cyanide	13	0.8	annual	50	1 hr			

CAS No.	Chemical	note	1º ITSL (µg/m³)	ITSL Avg Time	2º ITSL (µg/m³)	ITSL Avg Time	IRSL (µg/m³)	SRSL (µg/m³)	IRSL Avg Time
57-15-8	chlorobutanol		0.1	annual					
57-41-0	phenytoin						0.07	0.7	annual
57-83-0	progesterone		0.1	annual					
57-97-6	7,12-dimethylbenz(a)anthracene	5							
58-36-6	10,10'-oxybisphenoxarsine oxide		0.2	annual					
60-29-7	ethyl ether		12000	8 hr					
60-34-4	methyl hydrazine		0.03	annual			0.0087	0.087	annual
60-57-1	dieldrin						0.0002	0.002	annual
62-53-3	aniline		1	annual	76	8 hr	0.6	6	annual
62-73-7	dichlorvos	3	0.5	annual					
62-75-9	n-nitrosodimethylamine						0.00007	0.0007	annual
63-05-8	androstenedione		17	annual					
64-02-8	ethylenediamine tetra-acetic acid, tetrasodium salt		0.1	annual					
64-04-0	beta phenylethylamine		0.1	annual					
64-17-5	ethyl alcohol		19000	8 hr					
64-18-6	formic acid		2	annual					
64-19-7	acetic acid		1200	1 hr					
64-67-5	diethyl sulfate		1	annual					
65-85-0	benzoic acid	26							
66-25-1	hexanaldehyde		2	annual					
67-56-1	methanol		20000	24 hr	28000	1 hr			
67-63-0	isopropyl alcohol		220	annual					
67-64-1	acetone		5900	8 hr					
67-66-3	chloroform						0.4	4	annual
67-68-5	dimethylsulfoxide		20	annual					
67-72-1	hexachloroethane	13	30	annual	1600	8 hr	0.1	1	annual
68-12-2	n,n-dimethylformamide		30	annual					
71-23-8	n-propyl alcohol		730	annual					

CAS No.	Chemical	note	1º ITSL (µg/m³)	ITSL Avg Time	2º ITSL (µg/m³)	ITSL Avg Time	IRSL (µg/m³)	SRSL (µg/m³)	IRSL Avg Time
71-36-3	n-butanol		350	annual					
71-41-0	amyl alcohol		120	annual					
71-43-2	benzene		30	annual	30	24 hr	0.1	1	annual
71-55-6	methyl chloroform		6000	24 hr					
72-54-8	ddd (tde)	12					0.01	0.1	annual
72-55-9	dde, p,p'-	12					0.01	0.1	annual
74-83-9	methyl bromide		5	annual					
74-85-1	ethylene		6240	annual					
74-87-3	methyl chloride	21	90	annual					
74-88-4	methyl iodide		120	8 hr					
74-89-5	methylamine		64	8 hr					
74-93-1	methyl mercaptan		10	1 hr					
74-97-5	chlorobromomethane		10600	8 hr					
74-99-7	methyl acetylene		16500	8 hr					
75-00-3	ethyl chloride		10000	24 hr					
75-01-4	vinyl chloride		100	annual			0.11	1.1	annual
75-04-7	ethylamine		92	8 hr					
75-05-8	acetonitrile		200	annual					
75-07-0	acetaldehyde		9	annual			0.5	5	annual
75-09-2	methylene chloride	13	2000	annual	14000	1 hr	60	600	annual
75-12-7	formamide		600	annual			0.2	2	annual
75-15-0	carbon disulfide		700	annual					
75-18-3	dimethylsulfide		7	annual					
75-21-8	ethylene oxide						0.0002	0.002	annual
75-25-2	bromoform						0.9	9	annual
75-27-4	bromodichloromethane						0.06	0.6	annual
75-28-5	isobutane	22	23800	8 hr					
75-29-6	2-chloropropane		100	24 hr					

CAS No.	Chemical	note	1º ITSL (µg/m³)	ITSL Avg Time	2º ITSL (µg/m³)	ITSL Avg Time	IRSL (µg/m³)	SRSL (µg/m³)	IRSL Avg Time
75-31-0	isopropylamine		120	8 hr					
75-34-3	1,1-dichloroethane		500	24 hr					
75-35-4	vinylidene chloride (1,1-dichloroethylene)		200	annual					
75-36-5	acetyl chloride		0.1	annual					
75-37-6	1,1-difluoroethane		400000	annual					
75-38-7	vinylidene fluoride		30	annual					
75-44-5	phosgene		0.3	annual					
75-45-6	chlorodifluoromethane		50000	annual					
75-50-3	trimethylamine		120	8 hr					
75-52-5	nitromethane		70	annual			0.1	1	annual
75-54-7	methyldichlorosilane		4	annual					
75-55-8	1,2-propylenimine		5	8 hr					
75-56-9	propylene oxide		30	annual			0.3	3	annual
75-64-9	t-butylamine		60	annual					
75-65-0	t-butanol	15	1890	annual					
75-68-3	1-chloro-1,1-difluoroethane		50000	annual					
75-69-4	trichlorofluoromethane		56200	1 hr					
75-71-8	dichlorodifluoromethane		49500	8 hr					
75-75-2	methane sulfonic acid		1.4	annual					
75-76-3	tetramethylsilane		1300	annual					
75-77-4	trimethylchlorosilane		6	annual					
75-78-5	dimethyldichlorosilane		1	annual	3700	1 hr			
75-79-6	methyltrichlorosilane		109	annual					
75-94-5	vinyltrichlorosilane		7	annual					
76-05-1	trifluoroacetic acid		8	annual					
76-13-1	1,1,2-trichloro-1,2,2-trifluoroethane		19140	24 hr					
76-14-2	dichlorotetrafluoroethane		69000	8 hr					
76-44-8	heptachlor						0.0008	0.008	annual

CAS No.	Chemical	note	1º ITSL (µg/m³)	ITSL Avg Time	2º ITSL (µg/m³)	ITSL Avg Time	IRSL (µg/m³)	SRSL (µg/m³)	IRSL Avg Time
77-47-4	hexachlorocyclopentadiene		0.2	annual					
77-48-5	1,3-dibromo-5,5-dimethylhydantoin		2	8 hr					
77-58-7	dibutyl tin dilaurate		5	8 hr					
77-73-6	dicyclopentadiene		1	annual					
77-76-9	2,2-dimethoxypropane		0.1	annual					
77-78-1	dimethyl sulfate		0.5	8 hr					
77-93-0	triethyl citrate		290	annual					
78-07-9	ethyltriethoxysilane		44	annual					
78-10-4	ethyl silicate		850	8 hr					
78-59-1	isophorone		280	1 hr			3.7	37	annual
78-78-4	2-methyl butane		17700	8 hr					
78-79-5	isoprene						0.02	0.2	annual
78-83-1	isobutyl alcohol		1500	8 hr					
78-84-2	isobutyraldehyde		160	annual					
78-87-5	propylene dichloride		4	annual			0.2	2	annual
78-92-2	sec-butyl alcohol		3000	8 hr					
78-93-3	methyl ethyl ketone		5000	24 hr					
78-96-6	monoisopropanolamine		15	annual					
79-00-5	1,1,2-trichloroethane						0.06	0.6	annual
79-01-6	trichloroethylene		2	24 hr			0.2	2	annual
79-06-1	acrylamide		6	24 hr			0.005	0.05	annual
79-09-4	propionic acid		300	8 hr					
79-10-7	acrylic acid		1	annual					
79-11-8	chloroacetic acid		20	8 hr					
79-14-1	hydroxyacetic acid/ glycolic acid		4	annual					
79-20-9	methyl acetate		6100	8 hr					
79-24-3	nitroethane		60	annual					
79-29-8	2,3-dimethylbutane		3500	8 hr					

CAS No.	Chemical	note	1º ITSL (µg/m³)	ITSL Avg Time	2º ITSL (µg/m³)	ITSL Avg Time	IRSL (µg/m³)	SRSL (µg/m³)	IRSL Avg Time
79-31-2	isobutyric acid		0.9	annual					
79-34-5	1,1,2,2-tetrachloroethane						0.02	0.2	annual
79-41-4	methacrylic acid		30	annual					
79-46-9	2-nitropropane		20	annual			0.00037	0.0037	annual
79-92-5	camphene		80	annual					
80-15-9	cumene hydroperoxide		6	annual					
80-43-3	dicumyl peroxide		0.1	annual					
80-56-8	pinene, alpha	18	1120	8 hr					
80-62-6	methyl methacrylate		700	annual					
80-73-9	n,n'-dimethylethyleneurea		0.1	annual					
82-68-8	pentachloronitrobenzene		11	annual					
83-32-9	acenaphthene		210	annual					
84-66-2	diethyl phthalate		2800	annual					
84-74-2	dibutyl phthalate		50	8 hr					
85-01-8	phenanthrene		0.1	annual					
85-44-9	phthalic anhydride		20	annual					
85-68-7	butyl benzyl phthalate		700	annual					
86-73-7	fluorene		140	annual					
86-74-8	carbazole						0.4	4	annual
87-61-6	1,2,3-trichlorobenzene		27	annual					
87-62-7	2,6-xylidine						0.78	7.8	annual
87-65-0	2,6-dichlorophenol		3.8	annual					
87-68-3	hexachlorobutadiene						0.05	0.5	annual
87-86-5	pentachlorophenol		20	annual			0.009	0.09	annual
87-90-1	1,3,5-trichloroisocyanuric acid		2	annual					
88-06-2	2,4,6-trichlorophenol						0.3	3	annual
88-12-0	n-vinylpyrrolidinone						0.04	0.4	annual
88-65-3	o-bromobenzoic acid		0.1	annual					

CAS No.	Chemical	note	1º ITSL (µg/m³)	ITSL Avg Time	2º ITSL (µg/m³)	ITSL Avg Time	IRSL (µg/m³)	SRSL (µg/m³)	IRSL Avg Time
88-73-3	1-chloro-2-nitrobenzene						0.21	2.1	annual
88-75-5	2-nitrophenol		18	24 hr					
88-85-7	dinoseb		4	annual					
90-02-8	salicylaldehyde		30	annual					
90-12-0	1-methyl naphthalene		250	annual			0.14	1.4	annual
90-43-7	o-phenylphenol						1.1	11	annual
90-72-2	2,4,6-tri(dimethylaminomethyl)phenol		7	annual					
91-01-0	benzhydrol		16	annual					
91-08-7	2,6-toluene diisocyanate	13	0.07	annual	0.4	8 hr	0.03	0.3	annual
91-17-8	decahydronaphthalene						0.03	0.3	annual
91-20-3	naphthalene		3	annual	520	8 hr	0.08	0.8	annual
91-22-5	quinoline						0.001	0.01	annual
91-44-1	7-diethylamino-4-methyl coumarin		16	annual					
91-57-6	2-methylnaphthalene		10	annual					
91-59-8	2-naphthylamine						0.00013	0.0013	annual
91-94-1	dichlorobenzidine						0.002	0.02	annual
92-52-4	biphenyl		13	8 hr			0.43	4.3	annual
92-87-5	benzidine						0.00002	0.0002	annual
93-14-1	guaifenesin		5	annual					
93-58-3	methyl benzoate		4	annual					
93-59-4	peroxybenzoic acid		0.1	annual					
93-83-4	oleoyl diethanolamine		3	annual					
94-75-7	2,4-d		35	annual	100	8 hr			
94-96-2	2-ethyl-1,3-hexanediol		30	annual					
95-16-9	benzothiazole		1	annual					
95-38-5	oyel hydroxyethylimidazoline		2	annual					
95-47-6	o-xylene	2	390	annual					
95-48-7	o-cresol	30	100	8 hr					

CAS No.	Chemical	note	1º ITSL (µg/m³)	ITSL Avg Time	2º ITSL (µg/m³)	ITSL Avg Time	IRSL (µg/m³)	SRSL (µg/m³)	IRSL Avg Time
95-49-8	monochlorotoluene		70	annual					
95-50-1	1,2-dichlorobenzene		300	annual					
95-51-2	2-chloroaniline		10	annual					
95-53-4	o-toluidine						0.07	0.7	annual
95-57-8	2-chlorophenol		18	24 hr					
95-63-6	1,2,4-trimethylbenzene	14	185	annual	1200	8 hr			
95-65-8	3,4-dimethyl phenol		3.5	annual					
95-74-9	3-chloro-p-toluidine	30	2	annual					
95-87-4	2,5-dimethylphenol		0.7	annual					
95-93-2	1,2,4,5-tetramethyl benzene		20	annual					
95-94-3	1,2,4,5-tetrachlorobenzene		1	annual					
95-95-4	2,4,5-trichlorophenol		350	annual					
96-12-8	dibromochloropropane		0.2	24 hr			0.0001	0.001	annual
96-14-0	3-methylpentane		3500	8 hr					
96-17-3	2-methylbutyraldehyde		700	annual					
96-18-4	1,2,3-trichloropropane		0.3	annual					
96-23-1	1,3-dichloro-2-propanol		3	annual			0.07	0.7	annual
96-29-7	methylethylketoxime						2.5	25	annual
96-33-3	methyl acrylate		70	annual					
96-37-7	methylcyclopentane		700	24 hr					
96-45-7	ethylene thiourea		0.28	annual			0.01	0.1	annual
96-48-0	gamma-butyrolactone		280	24 hr					
96-49-1	ethylene carbonate		30	annual					
96-80-0	diisopropylaminoethanol		4	annual					
97-64-3	ethyl lactate		20	annual					
97-85-8	isobutyl isobutyrate		300	annual					
97-86-9	isobutyl methacrylate		600	annual					
97-88-1	n-butyl methacrylate		569	annual					

CAS No.	Chemical	note	1º ITSL (µg/m³)	ITSL Avg Time	2º ITSL (µg/m³)	ITSL Avg Time	IRSL (µg/m³)	SRSL (µg/m³)	IRSL Avg Time
97-95-0	2-ethyl butanol		40	annual					
97-99-4	tetrahydrofuryl methanol		52	annual					
98-00-0	furfuryl alcohol		5	annual			0.09	0.9	annual
98-01-1	furfural						0.06	0.6	annual
98-06-6	tert-butylbenzene		10	annual					
98-13-5	phenyltrichlorosilane		0.1	annual					
98-17-9	m-trifluoromethylphenol		0.08	annual					
98-29-3	t-butylcatechol		9	annual					
98-56-6	p-chlorobenzotrifluoride		70	annual					
98-82-8	cumene		400	annual			0.1	1	annual
98-83-9	alpha-methyl styrene		230	annual					
98-84-0	dl-alpha phenylethylamine		3	annual					
98-86-2	acetophenone		490	8 hr					
98-95-3	nitrobenzene		9	annual			0.025	0.25	annual
99-87-6	p-isopropyltoluene		10	annual					
99-97-8	n,n-dimethyl-p-toluidine		28	annual					
100-02-7	4-nitrophenol		0.7	annual					
100-06-1	4-methoxyacetophenone		0.1	annual					
100-36-7	2-diethylaminoethylamine		9	annual					
100-37-8	2-diethylaminoethanol (deae)		4	annual					
100-40-3	4-vinylcyclohexene		4	8 hr					
100-41-4	ethylbenzene		1000	24 hr			0.4	4	annual
100-42-5	styrene		1000	annual			2	20	annual
100-44-7	benzyl chloride						0.02	0.2	annual
100-46-9	benzylamine		0.1	annual					
100-51-6	benzyl alcohol		5000	24 hr					
100-52-7	benzaldehyde						0.4	4	annual
100-54-9	3-cyanopyridine		1.5	annual					

CAS No.	Chemical	note	1º ITSL (µg/m³)	ITSL Avg Time	2º ITSL (µg/m³)	ITSL Avg Time	IRSL (µg/m³)	SRSL (µg/m³)	IRSL Avg Time
100-85-6	benzyltrimethylammonium hydroxide		0.1	annual					
100-97-0	hexamethylenetetramine		100	annual					
101-68-8	methylene diphenyl diisocyanate		0.6	annual					
101-77-9	4,4'-methylene dianiline						0.022	0.22	annual
101-84-8	diphenyloxide		70	8 hr					
102-69-2	tripropylamine		0.2	annual					
102-71-6	triethanolamine		50	8 hr					
102-76-1	triacetin		20	annual					
102-79-4	butyldiethanolamine		14	annual					
102-81-8	2-n-dibutylaminoethanol		28	annual					
102-82-9	tributylamine		7	annual					
103-09-3	2-ethylhexyl acetate		15	annual					
103-11-7	2-ethylhexyl acrylate		18	annual					
103-23-1	di (2-ethylhexyl) adipate						3	30	annual
103-33-3	azobenzene						0.03	0.3	annual
103-63-9	2-bromoethyl benzene		3	annual					
103-65-1	propylbenzene		20	annual					
103-83-3	benzyl dimethylamine		30	annual					
103-99-1	n-stearoyl-4-aminophenol		0.1	annual					
104-15-4	p-toluenesulfonic acid	9 13	1.8	annual	210	1 hr			
104-51-8	n-butylbenzene		30	annual					
104-68-7	diethylene glycol monophenyl ether		7	annual					
104-75-6	2-ethylhexylamine		0.1	annual					
104-76-7	2-ethylhexanol		70	annual					
104-78-9	n,n-diethyl-1,3-propanediamine		140	annual					
104-87-0	p-tolualdehyde	20	440	annual					
105-39-5	ethyl chloroacetate		0.1	annual					
105-53-3	diethylmalonate		50	annual					

CAS No.	Chemical	note	1º ITSL (µg/m³)	ITSL Avg Time	2º ITSL (µg/m³)	ITSL Avg Time	IRSL (µg/m³)	SRSL (µg/m³)	IRSL Avg Time
105-56-6	ethyl cyanoacetate		0.1	annual					
105-58-8	diethyl carbonate		5000	24 hr					
105-59-9	methyldiethanolamine		6	annual					
105-60-2	caprolactam		10	8 hr					
105-67-9	2,4-dimethylphenol		70	annual					
106-36-5	propyl propionate		84	annual					
106-42-3	p-xylene	2	390	annual					
106-44-5	p-cresol	30	100	8 hr					
106-46-7	1,4-dichlorobenzene		800	annual			0.25	2.5	annual
106-49-0	p-toluidine		2	annual			0.03	0.3	annual
106-51-4	quinone		4.4	8 hr					
106-65-0	dimethyl succinate	27							
106-79-6	dimethyl decanedioate		0.1	annual					
106-86-5	1,2-epoxy-4-vinylcyclohexane		6	annual					
106-88-7	1,2-butylene oxide		20	annual			1.2	12	annual
106-89-8	epichlorohydrin		1	annual			0.8	8	annual
106-91-2	glycidyl methacrylate	13	0.8	annual	16	24 hr			
106-92-3	allyl glycidyl ether						0.1	1	annual
106-93-4	1,2-dibromoethane		9	annual			0.002	0.02	annual
106-94-5	propyl bromide		32	24 hr			1.1	11	annual
106-97-8	butane	22	23800	8 hr					
106-99-0	1,3-butadiene		2	24 hr			0.03	0.3	annual
107-00-6	ethylacetylene		0.1	annual					
107-02-8	acrolein	13	0.16	annual	5	1 hr			
107-03-9	1-propanethiol		16	1 hr					
107-05-1	allyl chloride		1	annual	31	8 hr			
107-06-2	1,2-dichloroethane						0.04	0.4	annual
107-10-8	propylamine		112	annual					

CAS No.	Chemical	note	1º ITSL (µg/m³)	ITSL Avg Time	2º ITSL (µg/m³)	ITSL Avg Time	IRSL (µg/m³)	SRSL (µg/m³)	IRSL Avg Time
107-13-1	acrylonitrile		2	annual			0.01	0.1	annual
107-15-3	ethylene diamine		0.03	annual					
107-18-6	allyl alcohol		18	annual					
107-21-1	ethylene glycol		1000	1 hr					
107-31-3	methyl formate		1250	8 hr					
107-39-1	diisobutylene		0.1	annual					
107-41-5	hexylene glycol		1210	1 hr					
107-46-0	hexamethyldisiloxane		240	annual					
107-51-7	octamethyltrisiloxane		0.1	annual					
107-54-0	3,5-dimethyl-1-hexyn-3-o		0.1	annual					
107-66-4	dibutyl phosphate		50	8 hr					
107-68-6	n-methyl taurine		17	annual					
107-71-1	t-butyl peroxyacetate		0.06	annual					
107-83-5	2-methylpentane		17600	8 hr					
107-87-9	methyl propyl ketone		5300	8 hr					
107-92-6	butyric acid		10	annual					
107-98-2	propylene glycol monomethyl ether		2000	annual					
108-01-0	dimethylethanolamine		5.2	annual	220	8 hr			
108-03-2	1-nitropropane		900	8 hr					
108-05-4	vinyl acetate		200	24 hr					
108-08-7	2,4-dimethylpentane		3500	8 hr					
108-10-1	methyl isobutyl ketone		820	8 hr			1.3	13	annual
108-11-2	methyl amyl alcohol		1000	8 hr					
108-16-7	dimethylamino-2-propanol		4	annual					
108-18-9	diisopropylamine		200	8 hr					
108-20-3	diisopropyl ether		360	24 hr					
108-21-4	isopropyl acetate		4200	8 hr					
108-31-6	maleic anhydride		0.1	8 hr					

CAS No.	Chemical	note	1º ITSL (µg/m³)	ITSL Avg Time	2º ITSL (µg/m³)	ITSL Avg Time	IRSL (µg/m³)	SRSL (µg/m³)	IRSL Avg Time
108-38-3	m-xylene	2	390	annual					
108-39-4	3-methylphenol	30	100	8 hr					
108-46-3	resorcinol	26	27	24 hr					
108-60-1	bis(2-chloroisopropyl)ether		140	annual					
108-65-6	propylene glycol monomethyl ether acetate		3000	annual					
108-67-8	1,3,5-trimethyl benzene	14	185	annual	1200	8 hr			
108-68-9	3,5-dimethylphenol		0.8	annual					
108-78-1	melamine						1.5	15	annual
108-82-7	2,6-dimethyl-4-heptanol		30	annual					
108-83-8	diisobutyl ketone		1500	8 hr					
108-86-1	bromobenzene		60	annual					
108-87-2	methylcyclohexane		16000	8 hr					
108-88-3	toluene		5000	24 hr					
108-90-7	chlorobenzene		50	annual	4400	8 hr			
108-94-1	cyclohexanone		800	8 hr					
108-95-2	phenol		190	8 hr					
108-99-6	3-picoline		80	annual					
109-06-8	alpha-picoline		24	annual					
109-56-8	isopropylethanolamine		0.1	annual					
109-60-4	n-propyl acetate		8350	8 hr					
109-65-9	1-bromobutane		9	annual					
109-66-0	pentane		17700	8 hr					
109-69-3	n-butyl chloride		1500	annual					
109-70-6	1-bromo-3-chloropropane		0.1	annual					
109-83-1	2-methylaminoethanol		38	annual					
109-86-4	2-methoxyethanol		20	24 hr					
109-89-7	diethylamine		150	8 hr					
109-92-2	ethyl vinyl ether		20	annual					

CAS No.	Chemical	note	1º ITSL (µg/m³)	ITSL Avg Time	2º ITSL (µg/m³)	ITSL Avg Time	IRSL (µg/m³)	SRSL (µg/m³)	IRSL Avg Time
109-94-4	ethyl formate		3000	8 hr					
109-99-9	tetrahydrofuran		8000	annual					
110-00-9	furan		4	annual			0.0002	0.002	annual
110-12-3	methyl isoamy ketone		2300	8 hr					
110-16-7	maleic acid		0.1	annual					
110-19-0	isobutyl acetate		480	8 hr					
110-30-5	n,n'-ethylene bis-octadecanamide		0.1	annual					
110-43-0	methyl n-amyl ketone		2330	8 hr					
110-49-6	ethylene glycol monomethyl ether acetate		31	24 hr					
110-54-3	n-hexane		700	annual					
110-58-7	amylamine		1	annual					
110-61-2	succinonitrile		0.8	annual					
110-62-3	valeraldehyde		1760	8 hr					
110-63-4	1,4 butanediol		79	annual					
110-71-4	ethylene glycol dimethyl ether		24	24 hr					
110-73-6	2-ethylaminoethanol		1	annual					
110-80-5	2-ethoxyethanol		200	24 hr					
110-82-7	cyclohexane		6000	24 hr					
110-83-8	cyclohexene		10000	8 hr					
110-83-8	cyclohexene		10000	8 hr					
110-86-1	pyridine		3.5	annual					
110-89-4	piperidine		140	annual					
110-97-4	diisopropanolamine		4	annual					
111-13-7	2-octanone		6.9	annual					
111-15-9	ethylene glycol monoethyl ether acetate		290	24 hr					
111-30-8	glutaraldehyde	13	0.08	annual	2	1 hr			
111-40-0	diethylene triamine		42	8 hr					
111-42-2	diethanolamine		5	24 hr					

CAS No.	Chemical	note	1º ITSL (µg/m³)	ITSL Avg Time	2º ITSL (µg/m³)	ITSL Avg Time	IRSL (µg/m³)	SRSL (µg/m³)	IRSL Avg Time
111-44-4	bis-2-chloroethylether						0.003	0.03	annual
111-46-6	diethylene glycol		21000	24 hr					
111-75-1	2-butylaminoethanol		4	annual					
111-76-2	2-butoxyethanol	10	1600	annual					
111-77-3	diethylene glycol monomethyl ether		190	24 hr					
111-84-2	n-nonane		550	24 hr					
111-90-0	diethylene glycol monoethyl ether		1750	24 hr					
111-92-2	dibutylamine		23	annual					
112-06-1	n-heptyl acetate		16	annual					
112-07-2	ethylene glycol monobutyl ether acetate	10	17600	24 hr					
112-15-2	diethylene glycol monoethyl ether acetate	10	18	annual					
112-24-3	triethylene tetramine		8	annual	3700	24 hr			
112-25-4	ethylene glycol monohexyl ether		8	annual					
112-34-5	diethylene glycol monobutyl ether		1	annual					
112-41-4	1-dodecene		29	annual					
112-48-1	ethylene glycol dibutyl ether		10	annual					
112-50-5	triethylene glycol monoethyl ether		100	annual					
112-55-0	n-dodecyl mercaptan		8	8 hr					
112-80-1	oleic acid		242	annual					
115-07-1	propylene		1500	24 hr					
115-10-6	dimethyl ether		740	annual	1900	24 hr			
115-11-7	isobutylene		21	annual					
115-19-5	methyl butynol		6.5	annual					
116-11-0	2-methoxy-1-propene		6	annual					
116-14-3	tetrafluoroethylene						0.4	4	annual
117-81-7	diethyl hexyl phthalate		70	annual			0.61	6.1	annual
117-84-0	di-n-octyl phthalate		470	24 hr					
118-52-5	1,3-dichloro-5,5-dimethylhydantoin		2	8 hr					

CAS No.	Chemical	note	1º ITSL (µg/m³)	ITSL Avg Time	2º ITSL (µg/m³)	ITSL Avg Time	IRSL (µg/m³)	SRSL (µg/m³)	IRSL Avg Time
118-74-1	hexachlorobenzene		0.035	24 hr			0.0022	0.022	annual
118-91-2	o-chlorobenzoic acid		0.1	annual					
119-53-9	benzoin		32	24 hr					
119-61-9	benzophenone		100	annual			0.2	2	annual
119-90-4	3,3'-dimethoxybenzidine		9.8	annual			0.039	0.39	annual
120-07-0	phenyldiethanolamine		3	annual					
120-12-7	anthracene		1000	24 hr					
120-82-1	1,2,4-trichlorobenzene		4	annual					
120-83-2	2,4-dichlorophenol		11	24 hr					
121-14-2	2,4-dinitrotoluene		2	8 hr			0.009	0.09	annual
121-43-7	trimethoxyborine		18	annual					
121-44-8	triethylamine		7	annual	21	8 hr			
121-69-7	dimethylaniline						0.085	0.85	annual
121-93-7	isopropyldiethanolamine		0.1	annual					
122-20-3	triisopropanolamine (tipa)		19	annual					
122-60-1	phenyl glycidyl ether						0.1	1	annual
122-79-2	phenyl acetate		0.1	annual					
122-99-6	ethylene glycol monophenyl ether		8	annual					
123-03-5	cetylpyridinium chloride		1.8	annual					
123-05-7	2-ethylhexanal		10	annual					
123-19-3	dipropyl ketone		250	24 hr					
123-31-9	hydroquinone		140	annual			0.058	0.58	annual
123-38-6	propionaldehyde		8	24 hr					
123-42-2	diacetone alcohol		2375	8 hr					
123-51-3	isoamyl alcohol		360	8 hr					
123-54-6	2,4-pentanedione		25	24 hr					
123-72-8	butyraldehyde		7	24 hr					
123-86-4	n-butyl acetate		7100	8 hr					

CAS No.	Chemical	note	1º ITSL (µg/m³)	ITSL Avg Time	2º ITSL (µg/m³)	ITSL Avg Time	IRSL (µg/m³)	SRSL (µg/m³)	IRSL Avg Time
123-91-1	1,4-dioxane		100	annual	7200	1 hr	0.2	2	annual
123-92-2	isoamyl acetate		2700	8 hr	5300	1 hr			
124-04-9	adipic acid		50	8 hr					
124-07-2	octanoic acid		33	annual					
124-17-4	diethylene glycol monobutyl ether acetate		1	annual					
124-26-5	octadecanamide		0.1	annual					
124-28-7	n,n-dimethyl octadecylamine		0.1	annual					
124-41-4	sodium methylate		0.1	annual					
124-48-1	chlorodibromomethane		70	annual			0.042	0.42	annual
124-63-0	methyl sulfonyl chloride		2	annual					
124-68-5	2-amino-2-methyl-1-propanol		4	annual					
124-70-9	methylvinyldichlorosilane		6	annual					
126-06-7	3-bromo-1-chloro-5,5-dimethylhydantoin		2	8 hr					
126-30-7	neopentyl glycol		0.1	annual					
126-71-6	triisobutyl phosphate		22	8 hr					
126-72-7	tris(2,3-dibromopropyl) phosphate						0.002	0.02	annual
126-73-8	tributyl phosphate		22	8 hr					
126-86-3	2,4,7,9-tetramethyl-5-decyn-4,7-diol	26							
126-99-8	beta-chloroprene		20	annual			0.002	0.02	annual
127-18-4	tetrachloroethylene	13	40	annual	1400	24 hr	4	40	annual
127-19-5	dimethyl acetamide		100	24 hr					
127-91-3	pinene, beta	18	1120	8 hr					
128-04-1	sodium dimethyl dithiocarbamate		0.1	annual					
128-37-0	2,6-di-tert-butyl-p-cresol						1	10	annual
129-00-0	pyrene		100	annual					
131-11-3	dimethylphthalate		50	8 hr					
131-17-9	diallyl phthalate						0.1	1	annual
132-64-9	dibenzofuran		40	annual					

CAS No.	Chemical	note	1º ITSL (µg/m³)	ITSL Avg Time	2º ITSL (µg/m³)	ITSL Avg Time	IRSL (µg/m³)	SRSL (µg/m³)	IRSL Avg Time
134-29-2	o-ansidine hydrochloride						0.04	0.4	annual
135-98-8	sec-butylbenzene		6	annual					
136-47-0	tetracaine hyrochloride		0.3	annual					
136-52-7	cobalt 2-ethylhexanoate		0.1	annual					
137-26-8	thiram		18	annual					
137-32-6	2-methyl-1-butanol		13	annual					
140-31-8	aminoethylpiperazine		0.1	annual					
140-88-5	ethyl acrylate		120	annual	200	8 hr			
141-32-2	butyl acrylate		100	8 hr					
141-43-5	ethanolamine		80	8 hr					
141-62-8	decamethyltetrasiloxane		0.1	annual					
141-63-9	linear dimethylsiloxanes,md3m(&higher)		0.1	annual					
141-78-6	ethyl acetate		3200	24 hr					
141-79-7	mesityl oxide		400	8 hr					
141-91-3	2,6-dimethyl morpholine		377	annual					
141-97-9	ethyl acetoacetate		46	annual					
142-29-0	cyclopentene		5	annual					
142-59-6	ethylene bisthiocarbamate disodium		1	annual					
142-71-2	cupric acetate		2	8 hr					
142-82-5	heptane		3500	8 hr					
142-84-7	di-n-propylamine		1.5	annual					
142-96-1	dibutyl ether		33	annual					
143-22-6	triethylene glycol butyl ether		18	annual					
143-29-3	butylcarbitol formal		0.1	annual					
144-62-7	oxalic acid		10	8 hr					
144-79-6	diphenylmethylchlorosilane		0.1	annual					
145-73-3	endothall		70	annual					
147-14-8	copper phthalocyanine		21	annual					

CAS No.	Chemical	note	1º ITSL (µg/m³)	ITSL Avg Time	2º ITSL (µg/m³)	ITSL Avg Time	IRSL (µg/m³)	SRSL (µg/m³)	IRSL Avg Time
147-94-4	cytarabine		0.1	annual					
149-30-4	2-mercaptobenzothiazole						0.54	5.4	annual
149-57-5	2-ethylhexanoic acid		70	annual					
149-73-5	trimethylorthoformate		800	annual					
156-59-2	cis-1-2,dichloroethylene		18	annual					
156-60-5	trans-1-2-dichloroethylene		200	annual					
189-55-9	dibenzo(a,i)pyrene	5							annual
189-64-0	dibenzo(a,h)pyrene	5							annual
191-24-2	benzo(g,h,i)perylene		13	annual					
191-30-0	dibenzo(a,l)pyrene	5							annual
192-65-4	dibenzo(a,e)pyrene	5							annual
193-39-5	indeno(1,2,3-cd)pyrene	5							
205-82-3	benzo(j)fluoranthene	5							annual
205-99-2	benzo(b)fluoranthene	5							annual
206-44-0	fluoranthene		140	24 hr					
207-08-9	benzo(k)fluoranthene	5							annual
208-96-8	acenaphthylene		35	annual					
218-01-9	chrysene	5							annual
280-57-9	triethylenediamine		6	annual					
287-92-3	cyclopentane		17200	8 hr					
300-57-2	allyl benzene		5	annual					
302-01-2	hydrazine						0.0002	0.002	annual
302-22-7	chlormadinone acetate		0.1	annual					
303-81-1	novobiocin		40	annual					
309-00-2	aldrin						0.0002	0.002	annual
313-06-4	estradiol cypionate		0.1	annual					
319-84-6	alpha-hexachlorocyclohexane						0.0006	0.006	annual
330-54-1	diuron		7	annual					

CAS No.	Chemical	note	1º ITSL (µg/m³)	ITSL Avg Time	2º ITSL (µg/m³)	ITSL Avg Time	IRSL (µg/m³)	SRSL (µg/m³)	IRSL Avg Time
338-98-7	isoflupredone acetate		0.01	annual					
353-50-4	carbonyl fluoride		54	8 hr					
358-67-8	trifluoropropylmethyl dimethoxysilane		100	annual					
359-07-9	2-bromo-1,1- difluoro ethane		0.1	annual					
363-51-9	2-chloro-6-fluorobenzenamine		0.1	annual					
363-72-4	pentafluorobenzene		10	annual					
366-18-7	2,2'-bipyridyl		0.8	annual					
382-21-8	perfluoroisobutylene		0.8	1 hr					
385-00-2	2,6-difluorobenzoic acid		0.1	annual					
431-89-0	hfc-227ea	13	130000	annual	5560000	1 hr			
460-73-1	1,1,1,3,3-pentafluoropropane		2000	24 hr					
461-58-5	cyanoguanidine		0.1	annual					
463-58-1	carbonyl sulfide		9	annual					
505-48-6	suberic acid		17	annual					
509-14-8	tetranitromethane		0.4	8 hr			0.000066	0.00066	annual
513-35-9	amylene		106	annual					
513-37-1	dimethylvinyl chloride						0.008	0.08	annual
513-85-9	2,3-butanediol		15	annual					
526-73-8	1,2,3-trimethylbenzene	14	185	annual	1200	8 hr			
526-75-0	2,3-dimethyl phenol		2	annual					
532-27-4	alpha chloroacetophenone		0.03	annual					
534-52-1	dinitro-o-cresol		2	8 hr					
540-49-8	1,2-dibromoethylene		0.1	annual					
540-59-0	1,2-dichloroethylene		35	24 hr					
540-84-1	2,2,4-trimethyl pentane	1	3500	8 hr					
540-88-5	tert-butyl acetate	15	9500	8 hr					
540-97-6	dodecamethylcyclohexasiloxane		400	annual					
541-02-6	decamethylcyclopentasiloxane		200	24 hr					

CAS No.	Chemical	note	1º ITSL (µg/m³)	ITSL Avg Time	2º ITSL (µg/m³)	ITSL Avg Time	IRSL (µg/m³)	SRSL (µg/m³)	IRSL Avg Time
541-05-9	hexamethylcyclotrisiloxane		50	annual					
541-73-1	1,3-dichlorobenzene		3	annual					
541-85-5	ethyl amyl ketone		220	24 hr					
542-75-6	1,3-dichloropropene		20	annual			0.2	2	annual
542-88-1	bis(chloromethyl)ether						0.000016	0.00016	annual
544-25-2	1,3,5-cycloheptatriene		0.18	annual					
546-93-0	magnesium carbonate		50	8 hr					
552-45-4	alpha-chloro-ortho-xylene		0.1	annual					
556-67-2	octamethylcyclotetrasilo		75	annual					
557-04-0	magnesium stearate		100	8 hr					
557-05-1	zinc stearate		50	8 hr					
563-47-3	3-chloro-2-methylpropene						0.03	0.3	annual
565-59-3	2,3-dimethylpentane		3500	8 hr					
576-26-1	2,6-dimethyl phenol		2	annual					
584-84-9	2,4-toluene diisocyanate	13	0.07	annual	0.4	8 hr	0.03	0.3	annual
589-34-4	3-methylhexane		3500	8 hr					
590-01-2	n-butyl propionate		102	annual					
590-86-3	isovaleraldehyde		800	annual					
591-22-0	3,5-lutidine		0.1	annual					
591-27-5	m-aminophenol		390	annual					
591-76-4	2-methylhexane		3500	8 hr					
591-78-6	methyl n-butyl ketone		30	annual					
592-09-6	trifluoropropyltrichlorosilane		0.1	annual					
592-42-7	1,5-hexanediene		264	annual					
592-76-7	1-heptene		24	annual					
592-84-7	butyl formate		0.1	annual					
593-51-1	methylamine hydrochloride		140	8 hr					
593-60-2	vinyl bromide	3	30	annual					

CAS No.	Chemical	note	1º ITSL (µg/m³)	ITSL Avg Time	2º ITSL (µg/m³)	ITSL Avg Time	IRSL (µg/m³)	SRSL (µg/m³)	IRSL Avg Time
606-46-2	n,n-diethyl-o-toluine		0.1	annual					
608-31-1	2,6-dichlorobenzenamine		0.1	annual					
611-14-3	1-ethyl-2-methylbenzene		0.1	annual					
612-00-0	1,1-diphenylethane		7	annual					
613-48-9	n,n-diethyl-p-toludine		0.1	annual					
616-38-6	dimethyl carbonate		300	annual					
617-94-7	phenyl isopropanol (2-phenyl-2-propanol)		4	annual					
620-23-5	m-tolualdehyde	20	440	annual					
621-64-7	n-nitroso-di-n-propylamine						0.0005	0.005	annual
621-77-2	triamylamine		0.1	annual					
622-96-8	p-ethyl toluene		350	annual					
622-97-9	4-methylstyrene		2	annual					
624-41-9	2-methyl butyl acetate		1100	annual					
624-54-4	n-pentyl proprionate		21	annual					
624-83-9	methyl isocyanate		1	24 hr					
624-92-0	dimethyl disulfide		16	annual	1200	24 hr			
626-38-0	2-pentyl acetate		2600	8 hr					
626-67-5	n-methylpiperidine		8	annual					
627-20-3	cis-2-pentene		0.1	annual					
627-30-5	3-chloro-1-propanol		0.1	annual					
627-83-8	octadecanoic acid, 1,2-ethanediyl ester		0.1	annual					
627-93-0	dimethyl adipate	27							
628-63-7	n-amyl acetate		1100	annual					
629-11-8	1,6-hexanediol		14	annual					
629-73-2	1-hexadecene		17	annual					
630-20-6	1,1,1,2-tetrachloroethane						0.1	1	annual
632-22-4	tetramethyl urea	13	0.8	annual	230	24 hr			
634-66-2	1,2,3,4-tetrachlorobenzene		120	annual					

CAS No.	Chemical	note	1º ITSL (µg/m³)	ITSL Avg Time	2º ITSL (µg/m³)	ITSL Avg Time	IRSL (µg/m³)	SRSL (µg/m³)	IRSL Avg Time
634-90-2	1,2,3,5-tetrachlorobenzene		12	annual					
637-92-3	ethyl tertiary butyl ether		373	annual					
644-62-2	meclofenamic acid		0.1	annual					
646-06-0	1,3-dioxolane		10	annual					
668-45-1	chlorofluorobenzonitrile		0.1	annual					
677-21-4	3,3,3-trifluoropropene		280	annual					
684-93-5	n-nitroso-n-methylurea						0.000001	0.00001	annual
694-87-1	benzocyclobutene		220	annual					
696-82-2	2,4,6-trifluoropyrimidine		0.1	annual					
701-64-4	monophenyl phosphoric acid		3	annual					
756-79-6	dimethyl methyl phosphonate		700	annual					
763-69-9	ethyl-3-ethyloxypropionate		134	annual					
770-35-4	propylene glycol phenyl ether		8	annual					
778-25-6	diphenylmethylsilanol		6	annual					
807-28-3	tetraphenyldimethyldisiloxane		0.1	annual					
811-97-2	1,1,1,2-tetrafluoroethane		80000	annual					
814-68-6	acryloyl chloride		0.3	annual					
822-06-0	hexamethylene diisocyanate		0.2	annual	0.3	8 hr			
827-52-1	cyclohexylbenzene		0.1	annual					
836-30-6	n-nitrodiphenylamine		1	annual					
838-85-7	diphenyl phosphoric acid		0.1	annual					
859-18-7	lincomycin hydrochloride		75	annual					
868-77-9	2-hydroxyethyl methacrylate		10	annual					
872-36-6	vinylene carbonate		0.1	annual					
872-50-4	n-methylpyrrolidone		700	annual					
947-19-3	1-hydroxcyclohexyl phenyl ketone		0.1	annual					
981-34-0	betamethasone 11		17	annual					
992-94-9	methylsilane		30	24 hr					

CAS No.	Chemical	note	1º ITSL (µg/m³)	ITSL Avg Time	2º ITSL (µg/m³)	ITSL Avg Time	IRSL (µg/m³)	SRSL (µg/m³)	IRSL Avg Time
993-07-7	trimethylsilane		340	annual					
994-05-8	tertiary amyl methyl ether		62	24 hr					
996-35-0	dimethylisopropylamine		200	annual					
999-97-3	hexamethyldisilazane		206	annual					
1009-93-4	hexamethylcyclotrisilazane		0.1	annual					
1047-16-1	quinacridone pigment		0.1	annual					
1066-35-9	dimethylchlorosilane	36	52	annual	5400	1 hr			
1066-40-6	trimethylsilanol		65	annual					
1067-25-0	propyltrimethoxysilane		1000	annual					
1070-10-6	2-ethylhexyltitanate		0.1	annual					
1072-53-3	1,3,2-dioxathiolane,2,2-dioxide		0.1	annual					
1072-63-5	1-vinylimidazol		180	24 hr					
1074-40-4	4,6-dichloro-2-methoxypyrimidine		0.1	annual					
1111-74-6	dimethylsilane		30	annual					
1112-39-6	dimethyldimethoxysilane		90	annual					
1116-54-7	n-nitrosodiethanolamine						0.0012	0.012	annual
1119-40-0	dimethyl glutarate	27							
1120-36-1	1-tetradecene		29	annual					
1120-71-4	1,3-propane sultone		2	annual					
1122-82-3	cyclohexyl isothiocyanate		0.1	annual					
1156-19-0	tolazamide		17	annual					
1163-19-5	decabromodiphenyl oxide		25	24 hr			5	50	annual
1184-85-6	methyl methane sulfonamide		0.1	annual					
1185-55-3	trimethoxymethylsilane		80	annual					
1194-02-1	p-fluorobenzonitrile		0.5	annual					
1300-72-7	sodium xylenesulfonate		0.1	annual					
1306-38-3	cerium oxide		0.9	annual					
1308-14-1	chromium (+3) hydroxide		0.5	annual					

CAS No.	Chemical	note	1º ITSL (µg/m³)	ITSL Avg Time	2º ITSL (µg/m³)	ITSL Avg Time	IRSL (µg/m³)	SRSL (µg/m³)	IRSL Avg Time
1308-38-9	chromium 3 oxide		0.5	annual					
1309-42-8	magnesium hydroxide	38	100	8 hr					
1309-48-4	magnesium oxide	38	100	8 hr					
1309-64-4	antimony trioxide		0.2	annual					
1310-53-8	germanium dioxide		7	annual					
1310-58-3	potassium hydroxide		20	1 hr					
1310-66-3	lithium hydroxide		0.25	8 hr					
1310-73-2	sodium hydroxide		20	1 hr					
1313-27-5	molybdenum trioxide		5	8 hr			0.12	1.2	annual
1313-96-8	niobium oxide		0.1	annual					
1314-13-2	zinc oxide		50	8 hr					
1314-28-9	rhenium oxide		0.1	annual					
1314-62-1	vanadium pentoxide		0.5	1 hr					
1317-33-5	molybdenum disulfide		30	8 hr					
1317-95-9	silica tripoli	31	3	annual					
1319-77-3	cresol (mixed isomers)	30	100	8 hr					
1320-67-8	propylene glycol monomethyl ether		2000	annual					
1328-53-6	phthalocyanine pigment green		0.1	annual					
1330-20-7	mixed xylenes	2	390	annual					
1330-86-5	adipate plasticizer		0.1	annual					
1332-21-4	asbestos	16					0.000022	0.00022	annual
1332-58-7	kaolin		20	8 hr					
1333-13-7	tert-butyl-m-cresol		0.1	annual					
1333-86-4	carbon black		30	8 hr					
1336-21-6	ammonium hydroxide	39	720	1 hr					
1336-36-3	polychlorinated biphenyls	8					0.01	0.1	annual
1338-23-4	methyl ethyl ketone peroxide		15	1 hr					
1345-04-6	antimony trisulfide		0.2	annual					

CAS No.	Chemical	note	1º ITSL (µg/m³)	ITSL Avg Time	2º ITSL (µg/m³)	ITSL Avg Time	IRSL (µg/m³)	SRSL (µg/m³)	IRSL Avg Time
1345-05-7	lithopone		0.1	annual					
1445-45-0	trimethyl-o-acetate		24	annual					
1477-55-0	1,3-bis(aminomethyl)benzenen		1	1 hr					
1559-35-9	ethylene glycol mono-2-ethylhexyl ether		37	annual					
1559-36-0	diethylene glycol mono-2-ethylhexyl ether		22	annual					
1559-37-1	triethylene glycol mono-2-ethyhexyl ether		0.1	annual					
1569-01-3	1-propoxy-2-propanol		86	annual					
1569-02-4	propylene glycol monoethyl ether (beta)		240	annual					
1589-47-5	2-methoxy-1-propanol		660	annual					
1590-87-0	disilane		0.1	annual					
1623-15-0	monobutyl phosphoric acid		15	annual					
1634-04-4	methyl t-butyl ether		3000	annual					
1643-19-2	t-n-butyl ammonium bromide		0.1	annual					
1702-17-6	clopyralid		500	annual					
1717-00-6	1,1-dichloro-1-fluoroethane		12800	annual					
1719-58-0	dimethylvinylchlorosilane		0.1	annual					
1746-01-6	2,3,7,8-tetrachlorodibenzo(p)dioxin	33	0.000002	annual			0.000000023	0.00000023	annual
1758-88-9	2-ethyl-1,4-dimethyl benzene		0.1	annual					
1760-24-3	n-(3-(trimethoxysilyl)propyl)-ethylenediamine		8	annual					
1761-71-3	4,4'-diaminodicyclohexylmethane		6	annual					
1873-88-7	heptamethyltrisiloxane		0.1	annual					
1897-52-5	2,6-difluorobenzonitrile		0.2	annual					
1912-83-0	stannous octoate		3	8 hr					
2031-67-6	methyltriethoxysilane		23	annual					
2050-92-2	diamylamine		9	annual					
2157-45-1	tetra-2-methoxyethoxy-silane		0.1	annual					
2160-93-2	t-butyldiethanolamine		9	annual					
2238-07-5	diglycidyl ether		0.5	8 hr					

CAS No.	Chemical	note	1º ITSL (µg/m³)	ITSL Avg Time	2º ITSL (µg/m³)	ITSL Avg Time	IRSL (µg/m³)	SRSL (µg/m³)	IRSL Avg Time
2370-88-9	cyclic methylhydrogensiloxane, d4		0.1	annual					
2374-14-3	cyclic methyltrifluoropropylsiloxane, d3		0.6	annual					
2403-89-6	1,2,2,6,6-pentamethyl-4-piperidinol		0.1	annual					
2406-33-9	cyclopentyldichlorosilane		0.1	annual					
2426-08-6	n-butyl glycidyl ether		300	1 hr	160	8 hr			
2467-02-9	bisphenol f		0.1	annual					
2476-74-6	flumethasone 6		0.1	annual					
2627-86-3	l-alpha-phenylethylamine		0.1	annual					
2627-95-4	tetramethyldivinyldisiloxane		38	annual					
2627-97-6	dimethyldiphenydivinylsiloxane		0.1	annual					
2682-20-4	2-methyl-4-isothiazolin-3-one		0.1	annual					
2687-91-4	1-ethyl-2-pyrrolidone		4.9	annual					
2768-02-7	vinyltrimethoxysilane		10	annual					
2807-30-9	ethylene glycol monopropyl ether		30	annual					
2837-89-0	2-chloro-1,1,1,2-tetrafluoroethane		5000	annual					
2919-66-6	melengesterol acetate		2	annual					
2921-88-2	chlorpyrifos		1	annual	1	8 hr			
2981-10-4	piperdinocyclohexene		2	annual					
2996-92-1	phenyltrimethoxysilane		60	annual					
3006-82-4	t-butylperoxy-2-ethylhexanoate		0.1	annual					
3006-86-8	1,1-di-(tert-buytlperoxy)cyclohexane		0.1	annual					
3033-62-3	bis (2-dimethylaminoethyl) ether		0.3	annual					
3052-70-8	(1-methylethylidene)bis(1,1-dimethylpropyl)peroxide		0.1	annual					
3081-01-4	santoflex 14		0.1	annual					
3144-09-0	methanesulfonamide		44	annual					
3153-26-2	vanadium oxide bis (2,4-pentanedionate)		0.1	annual					
3236-53-1	trimethyl hexamethylenediamine		0.1	annual					
3277-26-7	tetramethyldihydrogendisiloxane		120	annual					

CAS No.	Chemical	note	1º ITSL (µg/m³)	ITSL Avg Time	2º ITSL (µg/m³)	ITSL Avg Time	IRSL (µg/m³)	SRSL (µg/m³)	IRSL Avg Time
3290-92-4	trimethylolpropane trimethacrylate		20	annual					
3390-61-2	tetraphenyldimethyl-2-phenylmethyltrisiloxane		0.1	annual					
3399-73-3	cyclohexenylethylamine		0.1	annual					
3697-24-3	5-methylchrysene	5							annual
3731-51-9	2-(aminomethyl)pyridine		0.1	annual					
3764-01-0	2,4,6-trichloropyrimidine		0.1	annual					
3779-63-3	aliphatic polyisocyanate-1		0.1	annual					
3814-34-4	2-ethylbutyl bromide		0.1	annual					
3843-16-1	distearyldimethylammonium methosulfate		0.1	annual					
3982-82-9	tetraphenyldimethyl-2-dimethyltrisiloxane		0.1	annual					
3986-89-8	progesterone 4		0.1	annual					
4098-71-9	isophorone diisocyanate		0.45	8 hr					
4109-96-0	dichlorosilane	36	28	annual	2900	1 hr			
4170-30-3	crotonaldehyde		9	1 hr					
4221-98-1	p-mentha-1,5-diene		0.1	annual					
4253-34-3	methyltriacetoxysilane		0.1	annual					
4420-74-0	3-mercaptopropyltrimethoxysilane		2.4	annual					
4435-53-4	butoxyl		14	annual					
4444-67-1	di-sec-butylamine		417	annual					
4620-70-6	t-butylaminoethanol		5	annual					
4652-27-1	4-methoxy-3-buten-2-one		0.1	annual					
4719-04-4	1,3,5-triazine-1,3,5(2h,4h,6h)-triethanol		0.015	annual					
4994-16-5	4-phenylcyclohexene		33	annual					
5131-66-8	propylene glycol n-butyl ether (alpha isomer)	23	77	annual					
5314-55-6	ethyltrimethoxysilane		3	annual					
5329-14-6	sulfamic acid		5	annual					
5436-21-5	4,4-dimethoxy-2-butanone		20	annual					
5507-44-8	vinylmethyldiethoxysilane		0.1	annual					

CAS No.	Chemical	note	1º ITSL (µg/m³)	ITSL Avg Time	2º ITSL (µg/m³)	ITSL Avg Time	IRSL (µg/m³)	SRSL (µg/m³)	IRSL Avg Time
5509-65-9	2,6-difluoroaniline		2	annual					
5779-94-2	2,5-dimethylbenzaldehyde		0.1	annual					
5888-33-5	iso-bornyl acrylate		14	annual					
5906-75-2	vinyl dimethylsilanol		0.1	annual					
5989-27-5	d-limonene		6250	annual					
6004-24-6	cetylpyridinium chloride monohydrate		1.8	annual					
6166-86-5	cyclic methylhydrogensiloxane, d5		0.1	annual					
6192-52-5	p-toluenesulfonic acid monohydrate	9 13	1.9	annual	230	1 hr			
6408-78-2	c.i. acid blue 25		0.1	annual					
6419-19-8	aminotrimethylene phosphonic acid		0.1	annual					
6574-99-8	3,4-dichlorobenzonitrile		2	annual					
6674-22-2	1,8-diazabicyclo[5.4.0]undec-7-ene		0.1	annual					
6700-34-1	dextromethorphan hydrochloride		0.4	annual					
6713-03-7	1-(2-hydroxyethylthio)propane		0.1	annual					
6846-50-0	2,2,4-trimethylpentanediol-1,3-diisobutyrate		106	annual					
6904-66-1	tetraphenylhexamethyltetrasiloxane		0.1	annual					
6915-15-7	malic acid		5	annual					
6975-71-9	cyclohexenylacetonitrile		3.5	annual					
7085-85-0	ethyl 2-cyanoacrylate		10	8 hr					
7439-93-2	lithium		35	24 hr					
7439-95-4	magnesium	38	100	8 hr					
7439-96-5	manganese and manganese compounds	29	0.3	annual					
7439-97-6	mercury and mercury compounds	7	0.3	annual	1	24 hr			
7439-98-7	molybdenum		30	8 hr					
7440-02-0	nickel						0.0042	0.042	annual
7440-05-3	palladium		0.1	annual					
7440-06-4	platinum soluble salt		0.02	8 hr					
7440-22-4	silver - soluble		0.1	8 hr					

CAS No.	Chemical	note	1º ITSL (µg/m³)	ITSL Avg Time	2º ITSL (µg/m³)	ITSL Avg Time	IRSL (µg/m³)	SRSL (µg/m³)	IRSL Avg Time
7440-24-6	strontium	26							
7440-28-0	thallium and thallium compounds		0.1	annual	0.2	8 hr			
7440-31-5	tin		20	8 hr					
7440-36-0	antimony		0.2	annual					
7440-38-2	arsenic						0.0002	0.002	annual
7440-39-3	barium and soluble barium compounds	35	5	8 hr					
7440-41-7	beryllium		0.02	24 hr			0.0004	0.004	annual
7440-43-9	cadmium						0.0006	0.006	annual
7440-45-1	cerium		6	annual					
7440-47-3	chromium	17							
7440-48-4	cobalt		0.2	8 hr					
7440-50-8	copper		2	8 hr					
7440-65-5	yttrium		10	8 hr					
7446-08-4	selenium dioxide	34	2	8 hr					
7446-11-9	sulfur trioxide	9,13	1	annual	120	1 hr			
7446-34-6	selenium sulfide		2	8 hr					
7446-70-0	aluminum chloride		20	8 hr					
7473-98-5	2-hydroxy-2-methyl-1-phenyl-1-propanone		0.1	annual					
7488-56-4	selenium disulfide	34	2	8 hr					
7525-62-4	ethylvinyl benzene		0.1	annual					
7553-56-2	iodine		1	8 hr					
7558-79-4	disodium hydrogen phosphate		10	annual					
7580-85-0	2-tert-butoxyethanol		7	annual					
7631-90-5	sodium bisulfite		50	8 hr					
7631-95-0	sodium molybdate		5	8 hr					
7632-00-0	sodium nitrite		10	annual					
7632-04-4	sodium perborate		8	annual					
7637-07-2	boron trifluoride		0.7	24 hr					

CAS No.	Chemical	note	1º ITSL (µg/m³)	ITSL Avg Time	2º ITSL (µg/m³)	ITSL Avg Time	IRSL (µg/m³)	SRSL (µg/m³)	IRSL Avg Time
7647-01-0	hydrogen chloride	13	20	annual	2100	1 hr			
7647-15-6	sodium bromide		140	annual					
7664-38-2	phosphoric acid		10	annual					
7664-39-3	hydrogen fluoride	13	14	annual	240	1 hr			
7664-41-7	ammonia	39	350	1 hr					
7664-93-9	sulfuric acid	9,13	1	annual	120	1 hr			
7681-49-4	sodium fluoride		60	8 hr					
7681-52-9	sodium hypochlorite		16	8 hr					
7681-82-5	sodium iodide		0.1	annual					
7691-02-3	tetramethyldivinyldisila		30	annual					
7697-37-2	nitric acid		50	8 hr					
7722-64-7	potassium permanganate	29	0.3	annual	0.6	8 hr			
7722-76-1	ammonium dihydrogen phosphate		0.1	annual					
7722-84-1	hydrogen peroxide		14	8 hr					
7723-14-0	phosphorus	32	0.2	annual	20	24 hr			
7723-14-0	phosphorus (total)	32	0.2	annual	1	8 hr			
7726-95-6	bromine		7	8 hr					
7727-43-7	barium sulfate		50	8 hr					
7757-83-7	sodium sulfite		0.028	annual					
7758-05-6	potassium iodate		1	annual					
7782-49-2	selenium and inorganic selenium compounds	34	2	8 hr					
7782-50-5	chlorine	13	0.3	annual	500	8 hr			
7782-65-2	germanium tetrahydride		6	8 hr					
7783-00-8	selenious acid	34	2	8 hr					
7783-06-4	hydrogen sulfide		2	annual	100	24 hr			
7783-28-0	diammonium hydrogen phosphate		0.1	annual					
7783-54-2	nitrogen trifluoride		290	8 hr					
7783-61-1	silicon tetrafluoride		0.2	annual					

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7784-42-1	arsine		0.05	24 hr					
7786-30-3	magnesium chloride		5	annual					
7789-23-3	potassium fluoride		76	8 hr					
7789-82-4	calcium molybdate		5	8 hr					
7803-51-2	phosphine		0.3	annual					
7803-52-3	stibine		5	8 hr					
7803-62-5	silicon tetrahydride		30	annual					
8001-35-2	toxaphene						0.003	0.03	annual
8001-79-4	castor oil		50	8 hr					
8002-09-3	yarmor pine oil		10	annual					
8002-74-2	paraffin wax fume		20	8 hr					
8005-02-5	solvent black		0.1	annual					
8006-61-9	gasoline						2	20	annual
8006-64-2	turpentine	18	1120	8 hr					
8007-45-2	coke oven emissions						0.001	0.01	annual
8012-95-1	mineral oil	11	50	8 hr					
8014-95-7	oleum	9,13	1	annual	120	1 hr			
8020-83-5	deodorized kerosene	1	24	annual					
8030-30-6	naphtha	1	4000	8 hr					
8032-32-4	vm & p naphtha	1	3500	8 hr					
8042-47-5	white mineral oil	11	50	8 hr					
8050-09-7	colophony		1	1 hr					
8052-41-3	stoddard solvent	1	3500	8 hr					
8052-42-4	asphalt fumes	5							annual
9000-90-2	alpha-amylase	4	0.02	1 hr					
9001-92-7	bacillus subtilis neutral protease	4	0.02	1 hr					
9002-86-2	polyvinyl chloride		5	annual					
9002-92-0	polyoxyethylene lauryl ether		12	annual					

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9002-93-1	triton x100		0.15	annual					
9003-11-6	methyl oxirane (pluronic p103)		0.1	annual					
9003-13-8	polyalkylene glycol monobutyl ether/ butoxypolyprop		160	annual					
9003-39-8	polyvinyl pyrrolidone		4	annual					
9003-55-8	styrene-butadiene polymer		0.1	annual					
9004-32-4	carboxymethyl cellulose		300	annual					
9004-74-4	polyethylene glycol methyl ether		13	annual					
9005-70-3	witconol al 69-66		0.1	annual					
9011-17-0	polyvinylidine fluoride		0.1	annual					
9014-01-1	subtilisin	4	0.02	1 hr					
9014-85-1	tetramethyl decyndiol		0.1	annual					
9014-92-0	t-det dd-14		0.1	annual					
9016-45-9	igepal co-630		18	annual					
9016-87-9	polmeric methylene diphenyl diisocyanate		0.6	annual					
9036-19-5	t-det c08		0.1	annual					
9063-06-3	oxirane, methyl-, polymer with oxirane, monomethyl		0.1	annual					
10025-78-2	trichlorosilane		8	annual					
10025-91-9	antimony trichloride		5	8 hr					
10026-04-7	silicon tetrachloride		1100	annual					
10034-93-2	hydrazine sulfate						0.0008	0.008	annual
10035-10-6	hydrogen bromide		70	1 hr					
10039-56-2	sodium hypophosphite monohydrate		0.1	annual					
10049-04-4	chlorine dioxide		0.2	24 hr					
10096-91-0	hydroxyphenylbenzotriazole		0.1	annual					
10097-09-3	bis-urea accelerator		0.1	annual					
10102-18-8	sodium selenite	34	2	8 hr					
10215-30-2	2-propoxy-1-propanol		0.1	annual					
10377-60-3	magnesium nitrate	38							

CAS No.	Chemical	note	1º ITSL (µg/m³)	ITSL Avg Time	2º ITSL (µg/m³)	ITSL Avg Time	IRSL (µg/m³)	SRSL (µg/m³)	IRSL Avg Time
10431-98-8	2-ethyl-2-oxazoline		53	annual					
10469-09-7	tetrachloropicolinic acid		21	annual					
10482-56-1	alpha-terpineol		0.1	annual					
10551-21-0	phenethyl alpha picolinium bromide		0.1	annual					
12021-95-3	hexafluorozirconium acid		0.1	annual					
12035-72-2	nickel subsulfide						0.0021	0.021	annual
12037-29-5	praseodymium oxide		0.1	annual					
12054-85-2	ammonium molybdate		5	8 hr					
12070-12-1	tungsten carbide	6	50	8 hr					
12136-45-7	potassium oxide		0.1	annual					
12262-58-7	cyclohexanone peroxide		0.1	annual					
12401-86-4	sodium monoxide		0.1	annual					
12789-03-6	chlordane (technical)		0.7	24 hr			0.01	0.1	annual
13007-85-7	sodium glucoheptonate		0.1	annual					
13209-41-1	17,21-dihydroxy-16 alpha-methylpregna-1,4,9(11)-tri		0.1	annual					
13410-01-0	selenic acid	34	2	8 hr					
13463-67-7	titanium dioxide		24	8 hr					
13465-77-5	hexachlorodisilane		0.1	annual					
13466-78-9	carene, delta	18	1120	8 hr					
13528-93-3	bis(me2clsilyl)ethane		0.1	annual					
13597-73-4	disiloxane		0.1	annual					
13701-59-2	barium metaborate monohydrate		0.1	annual					
13879-32-8	1,1'[methylenebis(oxyethane-1,2-diloxy)]bisbenzene		0.1	annual					
13952-84-6	sec-butylamine		5	annual					
14464-46-1	silica cristobalite	31	3	annual					
14579-03-4	cyclopentyltrichlorosilane		0.1	annual					
14807-96-6	talc						0.8	8	annual
14808-60-7	silica quartz	31	3	annual					

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14960-06-6	sodium lauriminodipropionate		0.1	annual					
15096-52-3	sodium aluminum fluoride		270	8 hr					
15245-12-2	nitric acid, ammonium calcium salt		0.1	annual					
15321-61-6	iron oxalate		0.1	annual					
15468-32-3	silica tridymite	31	3	annual					
15821-83-7	propylene glycol n-butyl ether (beta isomer)	23	77	annual					
16065-83-1	chromium, trivalent		5	8 hr					
16079-88-2	1-bromo-3-chloro-5,5-dimethylhydantoin		2	8 hr					
16369-21-4	n-propylethanolamine		28	annual					
16691-43-3	3-amino-5-mercapto-1,2,4-triazole		7	annual					
16753-62-1	methylvinyldimethoxysilane		100	annual					
16881-77-9	methyldimethoxysilane		92	annual					
16883-83-3	1,3-pentanediol-2,2,4-trimethyl-3-(benzyl phthalate)-i		0.1	annual					
16893-85-9	sodium silicofluoride		250	8 hr					
16919-31-6	ammonium hexafluorozirconate		0.1	annual					
17557-23-2	neopentyl glycol diglycidyl ether		0.1	annual					
17639-93-9	methyl chloroproprionate		6	annual					
18063-03-1	2,6-difluorobenzamide		11	annual					
18300-89-5	cinnamate		0.1	annual					
18387-19-4	1,1,2,4-tetramethyl-1-1-sila-2-aza-cyclopentane		0.7	annual					
18395-30-7	isobutyltrimethoxysilane		200	annual					
18540-29-9	chromium, hexavalent - particulate		0.1	annual			0.000083	0.00083	annual
18540-29-9	chromium, hexavalent - mist		0.008	annual			0.000083	0.00083	annual
18868-43-4	molybdenum dioxide		30	8 hr					
19089-47-5	propylene glycol monoethyl ether (alpha)		23	annual					
19430-93-4	perfluorobutylethylene		340	annual					
19549-80-5	4,6-dimethyl-2-heptanone	19	0.1	annual					
19666-30-9	oxadiazon						0.05	0.5	annual

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20324-33-8	tripropylene glycol methyl ether, dowanol 62b		10	annual					
20536-16-7	tetrachlorodisilane		0.1	annual					
21324-40-3	lithium hexafluorophosphate		0.1	annual					
21348-59-4	niobium oxalate		0.1	annual					
22407-51-8	tetramethylchlorovinyldisiloxane		0.1	annual					
22431-89-6	3,3,6,6-tetramethyl-1,2-dioxane		0.1	annual					
23410-40-4	1,2-ethanediamine, n-(3-(dimethoxymethylsilyl)-2-me		0.1	annual					
24304-00-5	aluminum nitride		0.03	annual					
24510-87-0	flumethasone 5		0.1	annual					
24729-96-2	clindamycin phosphate		6	annual					
24937-79-9	polyvinylidene fluoride		0.1	annual					
24938-91-8	polyglycol 59-13		8	annual					
25013-15-4	vinyl toluene		5	annual					
25036-25-3	diglycidyl ether of bisphenol a		0.1	annual					
25068-38-6	bisphenol a/epichlorohydrin resin	26		annual					
25085-99-8	bisphenol epoxy resin		0.1	annual					
25154-52-3	nonyl phenol (mixed isomers)		30	24 hr					
25168-26-7	2,4-d, isooctyl ester		3	annual					
25265-71-8	dipropylene glycol		242	annual					
25265-77-4	texanol		55	annual					
25322-68-3	polyethylene glycol		8	annual					
25322-69-4	polypropylene glycol		49	annual					
25340-17-4	diethylbenzene mixture		6	annual					
25498-49-1	tripropylene glycol methyl ether		11	annual					
25550-14-5	ethyl toluene -mixture		0.1	annual					
25551-13-7	trimethylbenzenes (mixed isomers)	14	185	annual	1200	8 hr			
25584-83-2	hydroxypropyl acrylate		28	8 hr					
25882-44-4	butanedioic acid, sulfo-, 1-ester with n-(2-hydroxyeth		0.1	annual					

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25973-55-1	bdtp		5.3	annual					
25988-97-0	dimethylamine-epichlorohydrin polymer		0.1	annual					
26062-79-3	polydimethyl diallyl ammonium chloride		1000	annual					
26142-30-3	diglycidyl ether of polyglycol		0.1	annual					
26172-55-4	5-chloro-2-methyl-4-isothiazolin-3-one		0.1	annual					
26447-40-5	1,1'-methylene bisisocyanatobenzene		0.6	24 hr					
26471-62-5	toluene diisocyanate	13	0.07	annual	0.4	8 hr	0.03	0.3	annual
26530-20-1	octylisothiazolone		2	annual					
26544-20-7	mcpa 2-ehe (2-methyl-4-chlorophenoxyacetic acid 2-e		90	annual					
26761-40-0	diisodecyl ester phthalate		30	annual					
26780-96-1	poly(1,2-dihydro-2,2,4-trimethylquinoline)		35	24 hr					
26952-20-5	picloram, isooctyl ester		0.1	annual					
26952-21-6	isooctanol		2700	8 hr					
27078-75-7	4,6-difluoro-2-methoxypyrimidine		0.1	annual					
27253-31-2	cobalt neodecanoate		1.4	8 hr					
27274-31-3	polyethylene glycol monoallyl ether		6	annual					
27646-80-6	2-methylamino-2-methyl-1-propanol		0.1	annual					
27668-52-6	octadecyldimethyl (3-(trimethoxysilyl)propyl) ammon		170	annual					
28300-74-5	antimony potassium tartrate		5	8 hr					
28476-83-7	2-butenedioic acid (z)-dibutyl ester, polymer with chl		0.1	annual					
28553-12-0	diisononyl phthalate		75	annual					
28729-52-4	dimethylcyclopentane		0.1	annual					
28729-54-6	m-propyl toluene		0.1	annual					
28961-43-5	triacrylate ester		0.1	annual					
28984-69-2	4,4-(5h)-oxazoledimethanol, 2-(hepadecanyl)		0.1	annual					
29385-43-1	tolyltriazole		2.1	annual					
29387-86-8	propylene glycol, n-butyl ether (mixed isomers)	23	77	annual					
29733-18-4	diisodecyl glutarate		0.1	annual					

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29911-27-1	dipropylene glycol monopropyl ether		5	annual					
29911-28-2	dipropylene glycol monobutyl ether		11	annual					
30030-25-2	vinylbenzylchloride		2	annual					
30705-14-7	sr 1153		0.1	annual					
31138-65-5	sodium glucoheptonate		0.1	annual					
31726-34-8	poly(oxy-1,2-ethanediyl),alpha-hexyl-omega-hydroxy		0.1	annual					
34375-28-5	hydroxymethylamino ethanol		0.1	annual					
34590-94-8	dipropylene glycol methyl ether		720	annual					
35176-78-4	polyethylene terephthalate (uncoated)		0.1	annual					
35794-11-7	3,5-dimethylpiperidine		0.1	annual					
35884-42-5	dowanol dpnb		0.1	annual					
37251-67-5	polyethylene polypropylene glycol		0.1	annual					
38436-16-7	perfluorobutylethylmethyldichlorosilane		0.1	annual					
39464-66-9	lauryl alcohol, phosphated		20	annual					
40758-65-4	4,6-dichloro-2-ethoxypyrimidine		0.1	annual					
41556-26-7	bis(pentamethylpiperdinyl)sebacate		0.1	annual					
41593-38-8	propylene glycol monophenyl ether		0.1	annual					
42978-66-5	tripropylene glycol diacrylate		22	annual					
44992-01-0	acryloyloxyethyltrimethyl ammonium chloride		0.1	annual					
46438-39-5	monobutyl monophenyl phosphoric acid		0.1	annual					
50791-87-2	methylvinylbis(n-methylace		4	annual					
51200-87-4	dimethyloxazolidine		1	annual					
51730-94-0	dipropylene glycol phenyl ether		0.1	annual					
51811-38-2	tryfac 5556		0.1	annual					
52125-53-8	propylene glycol monoethyl ether (mixture)		23	annual					
53880-05-0	isophorone diisocyanate polymer		0.1	annual					
55818-57-0	phenol, 4,4-(1-methylethylidene)bis, polymer with (ch		0.1	annual					
55934-93-5	tripropylene glycol n-butyl ether		346	annual					

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56076-20-1	4-chloro-2-ethoxy-6-fluoropyrimidine		0.1	annual					
56539-66-3	3-methoxy-3methyl-1butanol		13	annual					
56741-95-8	bropirimine		15	annual					
56780-58-6	2-hydroxy-3-trimethylammoniopropyl ether starch		0.1	annual					
57018-52-7	propylene glycol tert-butyl ether		329	annual					
60304-36-1	aluminum potassium fluoride		0.2	annual					
60676-86-0	amorphous silica - fused silica	28	60	8 hr					
60966-36-1	bisnoralcohol		17	annual					
61477-94-9	pirmenol hydrochloride		3	annual					
61788-93-0	coco alkyldimethyl amines		0.1	annual					
61789-52-4	cobalt tallate		6	annual					
61790-33-8	tallow alkylamines		0.1	annual					
61790-53-2	amorphous silica - diatomaceous earth	28	60	8 hr					
61791-12-6	ethoxylated castor oil	26		annual					
61791-28-4	ethoxy, tallow alcohol		0.1	annual					
63148-57-2	dow corning fluid 1107		30	annual					
63148-62-9	high molecular wt. silicon		2	annual					
63148-65-2	polyvinyl butyral		0.1	annual					
63449-39-8	chlorinated paraffins						0.03	0.3	annual
63716-40-5	n-butoxy propanol (mixed isomers)	23	77	annual					
63937-30-4	anhydro-dimethylamino hexose reductone		0.6	annual					
64248-62-0	3,4-difluorobenzonitrile		0.6	annual					
64265-57-2	crosslinker cx100		10	annual					
64475-85-0	mineral spirits	1	3500	8 hr					
64485-82-1	thiazole ester		17	annual					
64741-41-9	naphtha heavy straight run	1	3500	8 hr					
64741-42-0	naphtha, full range straight run		18	annual					
64741-44-2	straight run middle distillate		36	annual					

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64741-54-4	naphtha, heavy catalytic cracked		115	annual					
64741-55-5	naphtha (petroleum), light catalytic cracked	25	5600	24 hr					
64741-56-6	residues, (petroleum), vacuum		16	annual					
64741-59-9	distillates, (petroleum), light catalytic cracked	24	93	annual					
64741-62-4	clarified oils (petroleum), catalytic cracked		12	annual					
64741-63-5	naphtha, light catalytic reformed		100	annual					
64741-64-6	naphtha, full range alkylate	1	3500	8 hr					
64741-65-7	heavy alkylate naphtha	1	3500	8 hr					
64741-66-8	light alkylate naphtha		138	annual					
64741-68-0	heavy catalytic reformed naphtha		70	annual					
64741-79-3	petroleum coke	26							
64741-81-7	distillates (petroleum), heavy thermal cracked		15	annual					
64741-82-8	distillates (petroleum), light thermal cracked	24	93	annual					
64741-83-9	naphtha, heavy thermal cracked	25	5600	24 hr					
64741-86-2	sweetened middle distillate	1	2	annual					
64741-88-4	solvent refined heavy paraffnic distillate	11	50	8 hr					
64741-89-5	distillates (petroleum) solvent-refined light paraffinic	11	50	8 hr					
64742-06-9	extracts (petroleum), middle distillate solvent		2	annual					
64742-14-9	petroleum distillates, acid treated		24	annual					
64742-30-9	distillates (petroleum), chemically neutralized middle	1	2	annual					
64742-46-7	hydrotreated middle distillate	11	50	8 hr					
64742-47-8	hydrotreated light distillate		24	annual					
64742-48-9	hydrotreated heavy napht	1	3500	8 hr					
64742-49-0	hydrotreated light naphtha	1	3500	8 hr					
64742-52-5	hydrotreated heavy naphthenic distillate	11	50	8 hr					
64742-53-6	hydrotreated light naphthenic distillate	11	50	8 hr					
64742-54-7	hydrotreated heavy paraffinic mineral oil	11	50	8 hr					
64742-55-8	hydrotreated light paraffinic distillate	11	50	8 hr					

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64742-62-7	residual oils (petroleum) solvent-dewaxed	11	50	8 hr					
64742-65-0	dewaxed heavy paraffinic mineral oil	11	50	8 hr					
64742-80-9	hydrodesulfurized middle distillate		2	annual					
64742-81-0	hydrodesulfurized kerosene		4	annual					
64742-82-1	naphtha (petroleum) hydrodesulfurized heavy		14	annual					
64742-88-7	solvent naphtha medium aliphatic	1	3500	8 hr					
64742-89-8	solvent naphtha light aliphatic	1	3500	8 hr					
64742-94-5	heavy aromatic solvent naphtha	1	70	24 hr					
64742-95-6	light aromatic solvent naphtha (petroleum)	1	100	annual					
64742-96-7	solvent naphtha (petroleum) heavy aliphatic		24	annual					
64771-72-8	norpar 12		0.1	annual					
65402-65-5	4-hydroxytetramethyl piperadine free radical (4-oh-te		4	annual					
66071-86-1	lv 837/821		0.1	annual					
67701-10-4	sodium soap 903923		6	annual					
67701-11-5	sodium soap 900602		6	annual					
67762-41-8	linear primary alcohol		0.1	annual					
67762-90-7	siloxanes and silicones(silica filled polydimethylsilox		0.1	annual					
67784-80-9	soybean oil, methyl esters		16	annual					
67812-17-3	3-trimethoxysilyl propylmethyl methylphosphonate		0.1	annual					
68002-20-0	1,2,3-triazine-2,4,6-triamine polymer with methylated		0.1	annual					
68003-28-1	polyamide		0.1	annual					
68037-58-1	high molecular wt. silicon		0.1	annual					
68037-76-3	alphamethylstyrene(dodecyl)polysiloxane		0.1	annual					
68037-77-4	ethylmethylsiloxane, 2-phenylpropylmethylsiloxane c		0.1	annual					
68037-88-7	high molecular weight sili		0.1	annual					
68071-85-2	spenkel f34		0.1	annual					
68083-19-2	high molecular wt. silicon		0.1	annual					
68083-20-5	linear methylvinylsiloxane ppolymer hydroxl endbloc		0.1	annual					

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68083-40-9	2-hydroxy-4(2'-hydroxy-3'octoxypropoxy)-benzophen		0.1	annual					
68092-49-9	2-hydroxy-4(2'-hydroxy-3'dacyloxypropoxy)-benzoph		0.1	annual					
68131-40-8	tergitol 15-s-3		290	annual					
68132-02-5	coumarone indene resin		0.1	annual					
68309-52-4	nylen 5		0.1	annual					
68334-30-5	diesel fuel		70	annual					
68390-56-7	diketene hydrogenated fatty acids		0.1	annual					
68410-00-4	distillates (petroleum), crude oil		19	annual					
68410-23-1	polyethylenepolyamine reaction products with c18-un		0.1	annual					
68410-97-9	high benzene naphtha hydrotreated c6-c8 fraction		30	annual	30	24 hr	0.1	1	annual
68410-99-1	paroil 45						0.03	0.3	annual
68439-49-6	ethoxylated c16-18 alcohols		4	annual					
68458-91-3	solvar & lv 820		0.1	annual					
68459-31-4	fatty acids c9-11 branched glycidyl esters polymer		0.1	annual					
68477-31-6	aromatic petroleum derivative solvent		13	annual					
68515-40-2	alkyl benzyl phthalate		0.1	annual					
68515-44-6	branched and linear diheptyl phthalate ester		0.1	annual					
68516-16-5	sulfuric acid c6-10 alkyl esters		0.1	annual					
68526-86-3	tridecanol		2	annual					
68551-17-7	heavy naphtha	1	3500	8 hr					
68575-36-0	3,5-dichloro-a-methyl st		16	annual					
68608-26-4	sodium petroleum sulfonate		0.1	annual					
68610-11-7	diethylenetriamine reaction product with bisphenol a		0.1	annual					
68783-24-4	di-tallow alkylamines		0.1	annual					
68918-22-9	high molecular wt. silicon		0.1	annual					
68955-35-1	naphtha, catalytic reformed		350	annual					
68956-56-9	hydrocarbons, terpene processing by-products		0.1	annual					
68987-42-8	ethylenated benzene residues		6	annual					

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68990-79-4	oils, vegetable, mixed with animal oil methylesters, po		0.1	annual					
69012-64-2	amorphous silica - silica fume	28	60	8 hr					
69013-18-9	alcohols c8-18 ethoxylated propoxylated		0.1	annual					
69029-39-6	polyglycol 26-2		0.1	annual					
69102-90-5	butadiene homopolymer		0.1	annual					
69430-24-6	high molecular wt. silicon		30	annual					
69696-98-6	hexane 1,6-bis(tributyl ammonium bromi		0.1	annual					
69991-67-9	fomblin perfluorpolyether		0.1	annual					
70131-67-8	high molecular wt. silicon		0.1	annual					
70657-70-4	2-methoxy-1-propanol acetate		500	24 hr					
70914-20-4	c6-8 branched alcohols		13	annual					
71888-89-6	diisoheptyl phthalate		100	24 hr					
71945-54-5	3-(1,1-dimethylethoxy)-heptane		6	annual					
75782-86-4	alcohols c12-13		31	annual					
77820-58-7	2-amino-3-chlorobenzoic acid methyl ester		7	annual					
78330-21-9	c11-c14 isoalcohols, c14 rich, ethoxylated alcohol		8	annual					
82586-54-7	quinapril step 8		2	annual					
82919-37-7	methyl pentamethyl-4-piperidinyl ester of decanedioic		0.1	annual					
84632-65-5	pyrrolo[3,4-c]pyrrole-1,4-dione,3,6-bis(4-chlorophen		0.1	annual					
86753-78-8	solsperse 5000		0.1	annual					
88230-35-7	oxo-hexyl acetate		81	annual					
88851-61-0	trospectomycin sulfate		0.1	annual					
88917-22-0	dipropylene glycol methyl ether acetate		930	annual					
90438-79-2	oxo-heptyl acetate		41	annual					
90622-57-4	isopar h		128	annual					
95481-62-2	dibasic ester	27	1	annual					
97658-80-5	5-bp-bisenamine		10	annual					
98516-30-4	propanol, 1(or 2) ethoxy, acetate isoparaffinic petrole		0.1	annual					

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98967-40-9	flumetsulam		26	annual					
98967-55-6	n-(2,6-difluorophenyl)-7-methyl-1h-1,2,4-triazolo(1,5		0.1	annual					
102054-10-4	bis(2-methoxy-1-methylethy		6	annual					
103335-54-2	4-aza acid		17	annual					
103429-90-9	3-methoxy-3methyl-1butyl acetate		0.1	annual					
103980-44-5	ceftiofur hydrochloride		166	annual					
106917-31-1	sanduvor 3068 liquid		52	annual					
108419-32-5	octyl acetate		78	annual					
108419-33-6	exxate 900		17	annual					
108419-34-7	exxate 1000		17	annual					
108419-35-8	c11-14 branched alkyl acetates		300	annual					
109265-71-6	solsperse 12000		0.1	annual					
110839-13-9	1,3-benzenedimethanamine polymer with 2,2'-((1-met		0.1	annual					
110888-15-8	4-chloro-3-fluorobenzonitrile		0.1	annual					
111109-77-4	dipropylene glycol dimethyl ether		59	annual					
111381-89-6	branched and linear heptyl nonyl phthalate ester		0.1	annual					
112926-00-8	amorphous silica - precipitated silica and silica gel	28	60	8 hr					
112945-52-5	amorphous silica - pyrogenic or fumed silica	28	60	8 hr					
113171-12-3	n-(2,6-difluorophenyl)-5-amino-1h-1,2,4-triazole-3-su		0.1	annual					
117482-84-5	3-chloro-4-fluorobenzonitrile		2	annual					
123312-54-9	distearyldimethylammonium bisulfate		0.1	annual					
123333-53-9	1-hydroxy benzotriazole		0.1	annual					
126803-73-4	n-(2,6-dichloro-3-methylphenyl)-5,7-dimethyoxy(1,2,		0.1	annual					
129879-84-1	5-amino-1,2,4-triazole-3-sulfonyl chloride		7	annual					
130014-38-9	trifluoropropylsilsesquioxane, dimethylhydrogensilyo		0.1	annual					
136797-56-3	fc-247		24	annual					
136816-75-6	atevirdane mesylate		16	annual					
139147-73-2	dicyclopentyldichlorosilane		0.1	annual					

CAS No.	Chemical	note	1º ITSL (µg/m³)	ITSL Avg Time	2º ITSL (µg/m³)	ITSL Avg Time	IRSL (µg/m³)	SRSL (µg/m³)	IRSL Avg Time
144669-03-4	hexenylsiloxane		16	annual					
144669-04-5	hexenylsiloxanes		16	annual					
166524-65-8	2-ethoxy-4,6-difluoropyrimidine		20	annual					
166524-75-0	2,2'-dithiobis(5-ethoxy-7-fluoro[1,2,4]triazolo(1,5-c)p		0.8	annual					
170557-43-4	dowanol tmh-deg borate ester		32	annual					

Screening Level Footnotes

1 The combined ambient impact of all petroleum hydrocarbon materials with Note #1 cannot exceed the ITSL of 3500 µg/m³ (8-hour average). If a chemical with this footnote has an ITSL other than 3,500 µg/m³, the ambient impact for that chemical also cannot exceed the chemical specific ITSL.

2 The combined ambient impact of all forms of xylene with Note #2 cannot exceed the initial threshold screening level (ITSL) of 100 µg/m³ (24-hour average).

3 These chemicals are very likely to meet the R 336.1103(c) definition of a carcinogen. The Air Quality Division has not evaluated the data to develop an IRSL/SRSL.

4 The combined ambient impact of all subtilisins cannot exceed the ITSL of 0.02 µg/m³ (1-hour average).

5 The polycyclic aromatic hydrocarbons (PAHs) with this footnote are carcinogenic and have relative potency factors (RPFs) to that of benzo(a)pyrene(CAS # 50-32-8). Air emission mixtures of carcinogenic PAHs, including asphalt fumes, should be evaluated additively using these RPFs and the benzo(a)pyrene IRSL and SRSL.

6 The ITSL applies to pure tungsten carbide only. The ITSL for cemented tungsten carbide having a Co content >2%, based on the ITSL for cobalt, is 0.2 µg/m³ based on an 8 hour averaging time. The IRSL for cemented tungsten carbide having a Co content <2% and a Ni content >0.3%, based on the IRSL for nickel, is 0.0042 µg/m³, based on an annual averaging time.

7 Besides the asessment of mercury ambient air impacts in comparison to the ITSLs, larger inidividual sources of mercury emissions undergoing permit review (e.g., greater than 5 to 10 lbs/yr) may be evaluated on a case-by-case basis to address concerns for deposition and bioaccumulation, taking into account site-specific factors such as the presence of nearby recreational fisheries and realistic exposure scenarios.

8 Alternate screening levels may be determined on a case-by-case basis depending on the source of PCB emissions and which PCB isomers are being emitted following EPA's guidance as described in IRIS.

9 This chemical meets the definition of a carcinogen per Rule 336.1103(c), but risk management considerations indicate that no IRSL should be derived. The combined ambient impacts of sulfuric acid, sulfur trioxide and oleum cannot exceed the ITSL of 10 µg/m³ (8- hour average).

10 The combined ambient impact of these glycol ethers must be evaluated together so that their hazard index does not exceed a value of one.

11 The combined ambient impact of all petroleum hydrocarbon materials with Note #11 cannot exceed the ITSL of 50 µg/m³ (8-hour average). If a chemical with this footnote has an ITSL other than 50 µg/m³, the ambient impact for that chemical also cannot exceed the chemical specific ITSL.

12 The combined ambient impact of DDT, p,p'-DDE and DDD that have Note #12 cannot exceed the IRSL of 0.01 µg/m³ (annual average) or SRSL of 0.1 µg/m³ (annual average).

13 This chemical has two ITSLs with different averaging times. Ambient air impacts cannot exceed either ITSL. Both ITSLs also apply for determinations of permit to install exemptions under R336.1290 (Rule 290).

14 The combined ambient impact of all trimethylbenzene isomers cannot exceed the ITSL of 220 µg/m³ (24-hour average).

15 The combined impact of t-butyl acetate and t-butanol must be evaluated together so that the hazard index does not exceed a value of one.

16 The asbestos IRSL and SRSL are based on a conservative conversion from the EPA-IRIS unit risk factor and one-in-one million cancer risk estimate of 4 E-6 fibers/mL (or 4 fibers/m³), to the units of µg/m³. Less restrictive screening levels may be derived on a case-by-case basis depending on the fiber density, as discussed in the EPA-IRIS database.

17 See specific trivalent and hexavalent chromium compounds.

18 The combined ambient impact of turpentine and monoterpenes (a-pinene, b-pinene, and d-carene) listed with Note #18 cannot exceed the ITSL of 1120 µg/m³ (8 hr. averaging time).

19 If the 4,6-dimethyl-2-heptanone is present as a component of commercial or technical grade diisobutyl ketone or DIBK (CAS # 108-83-8), then the ITSL of 0.1 µg/m3 for 4,6-dimethyl-2-heptanone does not apply. In this case, the combined impacts of the 4,6-dimethyl-2-heptanone, and DIBK cannot exceed the screening level for DIBK of 1500 µg/m3 (8-hour average).

20 The combined ambient impact of meta- and para-tolualdehyde cannot exceed the ITSL of 440 µg/m³ (24-hour average).

21 This chemical is very likely to meet the R336.1103(c) definition of a carcinogen. The Air Quality Division has evaluated the data and determined it to be inadequate for IRSL/SRSL development. However, the ITSL provides adequate protection against potential cancer effects.

22 The combined ambient impact of butane (CAS # 106-97-8) and isobutane (CAS # 75-28-5) should be evaluated together so that the combined impact does not exceed a hazard index value of one.

23 The combined ambient impact of all propylene glycol n-butyl ethers (CAS#s 5131-66-8, 15821-83-7, 29387-86-8, and 63716-40-5) cannot exceed the ITSL of 77 µg/m³ (annual average).

24 The combined ambient impact of all chemicals with footnote #24 cannot exceed the ITSL of 93 µg/m³ (annual average).

25 The combined ambient impact of all chemicals with footnote #25 cannot exceed the ITSL of 5600 µg/m³ (24-hour average)

26 This toxic air contaminant (TAC) is reasonably anticipated to exist as a particle in the ambient air. A toxicological review has determined that, in lieu of setting a screening level, the primary NAAQS for particluate matter (PM) are reasonable and appropriate health protective levels for the particulate. The combined ambient impact of all particulate TAC emissions from the process must be below the applicable PM primary NAAQS. The PM primary NAAQS may be used in permit to install exemption determinations for this TAC under Rule 290(a)(iii)(C).

27 The combined ambient impact of dimethyl adipate, dimethyl glutarate, and dimethyl succinate (collectively known as dibasic ester) cannot exceed the ITSL of 1 µg/m³ with annual averaging time.

28 The combined ambient impact of all amorphous silica compounds with the CAS numbers 60676-86-0, 61790-53-2, 69012-64-2, 112945-52-5, and 112926-00-8 cannot exceed the ITSL of 60 µg/m³ (8-hour averaging time).

29 The ITSL for manganese and manganese compounds is most appropriately applied to PM10-Mn data rather than TSP-Mn data.

30 The ITSL for mixed cresols (CAS# 1319-77-3) also applies to o-cresol (CAS# 95-48-7), p-cresol (CAS# 106-44-5), and m-cresol (CAS# 108-39-4).

31 Most processes that emit crystalline silica are exempt from the screening level requirement of Rule 225(1). Only sources of crystalline silica that are not exempt from the definition of a toxic air contaminant (see Rule 120(f)(XV)) need to comply with the ITSL.

32 The Chemical Abstract Service number (CAS#) has been changed to 12185-10-3. Since the original number 7723-14-0, is still used by many organizations, it is listed as the primary CAS#.

33 With regards to the health-based screening levels for tetrachlorodibenzo(p) dioxin (CAS# 1746-01-6), Rule 336.1225(6)(a) states that all polychlorinated dibenzodioxins and dibenzofurans shall be considered as one toxic air contaminant, expressed as an equivalent concentration of 2,3,7,8-tetrachlorodibenzo(p)dioxin based on the relative potency of the isomers emitted from the emission unit or units. The current toxic equivalency factors (TEFs) for use are those recommended by the World Health Organization (WHO, 2005), as provided in: Van den Berg, M. et al. 2006. The 2005 World Health Organization Reevaluation of Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-like Compounds. Toxicological Sciences 93(2): 223-241.

34 The combined ambient impact of all selenium and inorganic selenium compounds with the CAS# 7446-08-4, 7446-34-6, 7488-56-4, 7783-00-8, 10102-18-8, and 13410-01-0 cannot exceed 2 ug/m3 (8-hour averaging time).

35 The combined ambient impact of all barium and soluble barium compounds with the CAS# 543-80-6, 1304-28-5, 10022-31-8, 10361-37-2, 10553-31-8, 13477-00-4, 13718-50-8, 17194-00-2, and 2110--95-5 cannot exceed 5 ug/m3 (8-hour averaging time).

36 The combined ambient impact of these chlorosilanes must be evaluated together so that their hazard index (HI) does not exceed a value of one (1).

37 The combined ambient impact for potassium permanganate (CAS# 7722-64-7) and manganese and manganese compounds (CAS# 7439-96-5) cannot exceed the intial threshold screening level of 0.3 ug/m3, annual averaging time.

38 The combined ambient impact of magnesium (CAS No. 7439-95-4) and magnesium compounds, magnesium hydroxide, magnesium oxide, and magnesium nitrate (CAS Nos. 1309-42-8, 1309-48-4, and 10377-60-3, respectively), cannot exceed the ITSL of 100 ug/m3 (8 hour average).

39 The combined ambient impact of ammonia (CAS no. 7664-41-7) and ammonium hydroxide (CAS no. 1336-21-6) must be evaluated together so that their hazard index does not exceed the value of one.