

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

CAS No.	Chemical	note	1° ITSL (ug/m3)	ITSL Avg	2° ITSL (ug/m3)	ITSL Avg	IRSL (ug/m3)	SRSL (ug/m3)	IRSL Avg Time
3052-70-8	(1-methylethylidene)bis(1,1-dimethyl		0.1	annual					
6713-03-7	1-(2-hydroxyethylthio)propane		0.1	annual					
630-20-6	1,1,1,2-tetrachloroethane						0.1	1	annual
811-97-2	1,1,1,2-tetrafluoroethane		80000	24 hr					
460-73-1	1,1,1,3,3-pentafluoropropane		2000	24 hr					
79-34-5	1,1,2,2-tetrachloroethane						0.02	0.2	annual
- -0	1,1,2,4-tetramethyl-1-1-1-sila-2-aza-c		0.7	annual					
76-13-1	1,1,2-trichloro-1,2,2-trifluoroethane		19140	24 hr					
79-00-5	1,1,2-trichloroethane						0.06	0.6	annual
13879-32-8	1,1'[methylenebis(oxyethane-1,2-dilo		0.7	annual					
3006-86-8	1,1-di-(tert-butylperoxy)cyclohexane		0.1	annual					
1717-00-6	1,1-dichloro-1-fluoroethane		12800	24 hr					
75-34-3	1,1-dichloroethane		500	24 hr					
75-37-6	1,1-difluoroethane		40000	24 hr					
612-00-0	1,1-diphenylethane		0.8	annual					
26447-40-5	1,1'-methylene bisisocyanatobenzene		0.6	24 hr					
2403-89-6	1,2,2,6,6-pentamethyl-4-piperidinol		0.1	annual					
634-66-2	1,2,3,4-tetrachlorobenzene		120	24 hr					
634-90-2	1,2,3,5-tetrachlorobenzene		12	24 hr					
68002-20-0	1,2,3-triazine-2,4,6-triamine polymer		0.1	annual					
87-61-6	1,2,3-trichlorobenzene		27	24 hr					
96-18-4	1,2,3-trichloropropane		0.3	24 hr					
526-73-8	1,2,3-trimethylbenzene	14	50	annual	1200	8 hr			
95-94-3	1,2,4,5-tetrachlorobenzene		1	24 hr					
95-93-2	1,2,4,5-tetramethyl benzene		20	annual					
120-82-1	1,2,4-trichlorobenzene		4	24 hr					
95-63-6	1,2,4-trimethylbenzene	14	50	annual	1200	8 hr			
106-88-7	1,2-butylene oxide		20	24 hr			1.2	12	annual
540-49-8	1,2-dibromoethylene		0.1	annual					
95-50-1	1,2-dichlorobenzene		300	24 hr					
107-06-2	1,2-dichloroethane						0.04	0.4	annual
540-59-0	1,2-dichloroethylene		35	24 hr					
23410-40-4	1,2-ethanediamine, n-(3-(dimethoxy		0.1	annual					
1072-53-3	1,3,2-dioxathiolane,2,2-dioxide		0.1	annual					

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87-90-1	1,3,5-trichloroisocyanuric acid		2	annual					
108-67-8	1,3,5-trimethyl benzene	14	50	annual	1200	8 hr			
110839-13-9	1,3-benzenedimethanamine polymer		0.1	annual					
1477-55-0	1,3-bis(aminomethyl)benzenen		1	1 hr					
106-99-0	1,3-butadiene		2	24 hr			0.03	0.3	annual
77-48-5	1,3-dibromo-5,5-dimethylhydantoin		2	8 hr					
96-23-1	1,3-dichloro-2-propanol		3	24 hr			0.07	0.7	annual
118-52-5	1,3-dichloro-5,5-dimethylhydantoin		2	8 hr					
541-73-1	1,3-dichlorobenzene		3	annual					
542-75-6	1,3-dichloropropene		20	24 hr			0.2	2	annual
646-06-0	1,3-dioxolane		10	annual					
16883-83-3	1,3-pentanediol-2,2,4-trimethyl-3-(be		0.1	annual					
1120-71-4	1,3-propane sultone		2	annual					
110-63-4	1,4 butanediol		79	annual					
106-46-7	1,4-dichlorobenzene		800	24 hr			0.14	1.4	annual
123-91-1	1,4-dioxane		100	24 hr			0.04	0.4	annual
592-42-7	1,5-hexanediene		264	annual					
629-11-8	1,6-hexanediol		14	annual					
6674-22-2	1,8-diazabicyclo[5.4.0]undec-7-ene		0.1	annual					
58-36-6	10,10'-oxybisphenoxarsine oxide		0.2	annual					
- -0	100 sxl		0.1	annual					
13209-41-1	17,21-dihydroxy-16 alpha-methylpre		0.1	annual					
16079-88-2	1-bromo-3-chloro-5,5-dimethylhydan		2	8 hr					
109-70-6	1-bromo-3-chloropropane		0.1	annual					
109-65-9	1-bromobutane		9	annual					
75-68-3	1-chloro-1,1-difluoroethane		50000	24 hr					
88-73-3	1-chloro-2-nitrobenzene						0.21	2.1	annual
611-14-3	1-ethyl-2-methylbenzene		0.1	annual					
592-76-7	1-heptene		24	annual					
629-73-2	1-hexadecene		17	annual					
947-19-3	1-hydroxycyclohexyl phenyl ketone		0.1	annual					
123333-53-9	1-hydroxy benzotriazole		0.1	annual					
90-12-0	1-methyl naphthalene		250	24 hr			0.14	1.4	annual
108-03-2	1-nitropropane		900	8 hr					
1569-01-3	1-propoxy-2-propanol		86	24 hr					
1072-63-5	1-vinylimidazol		9	annual					

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- 0	2-(1-ethoxyethoxy)-6-(trifluoromethyl)		0.1	annual					
3731-51-9	2-(aminomethyl)pyridine		0.1	annual					
540-84-1	2,2,4-trimethyl pentane	1	3500	8 hr					
6846-50-0	2,2,4-trimethylpentanediol-1,3-diisob		106	annual					
366-18-7	2,2'-bipyridyl		0.8	annual					
77-76-9	2,2-dimethoxypropane		0.1	annual					
166524-75-0	2,2'-dithiobis(5-ethoxy-7-fluoro[1,2,4		0.8	annual					
1746-01-6	2,3,7,8-tetrachlorodibenzo(p)dioxin		0.000002	annual			2.3E-08	2.3E-07	annual
513-85-9	2,3-butanediol		15	annual					
526-75-0	2,3-dimethyl phenol		2	annual					
79-29-8	2,3-dimethylbutane		3500	8 hr					
565-59-3	2,3-dimethylpentane		3500	8 hr					
95-95-4	2,4,5-trichlorophenol		350	24 hr					
90-72-2	2,4,6-tri(dimethylaminomethyl)pheno		7	annual					
88-06-2	2,4,6-trichlorophenol						0.3	3	annual
3764-01-0	2,4,6-trichloropyrimidine		0.1	annual					
696-82-2	2,4,6-trifluoropyrimidine		0.1	annual					
25168-26-7	2,4-d, isooctyl ester		3	annual					
120-83-2	2,4-dichlorophenol		77	annual					
108-08-7	2,4-dimethylpentane		3500	8 hr					
105-67-9	2,4-dimethylphenol		70	24 hr					
51-28-5	2,4-dinitrophenol		7	24 hr					
121-14-2	2,4-dinitrotoluene		2	8 hr			0.009	0.09	annual
123-54-6	2,4-pentanedione		25	24 hr					
584-84-9	2,4-toluene diisocyanate		0.07	24 hr			0.03	0.3	annual
5779-94-2	2,5-dimethylbenzaldehyde		0.1	annual					
95-87-4	2,5-dimethylphenol		0.7	annual					
608-31-1	2,6-dichlorobenzamine		0.1	annual					
5509-65-9	2,6-difluoroaniline		2	annual					
18063-03-1	2,6-difluorobenzamide		11	annual					
385-00-2	2,6-difluorobenzoic acid		0.1	annual					
1897-52-5	2,6-difluorobenzonitrile		0.2	annual					
141-91-3	2,6-dimethyl morpholine		377	annual					
576-26-1	2,6-dimethyl phenol		2	24 hr					
108-82-7	2,6-dimethyl-4-heptanol		30	annual					
128-37-0	2,6-di-tert-butyl-p-cresol						1	10	annual

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87-62-7	2,6-xylidine						0.78	7.8	annual
124-68-5	2-amino-2-methyl-1-propanol		4	annual					
77820-58-7	2-amino-3-chlorobenzoic acid methyl		7	annual					
359-07-9	2-bromo-1,1-difluoro ethane		0.1	annual					
103-63-9	2-bromoethyl benzene		3	annual					
28476-83-7	2-butenedioic acid (z)-dibutyl ester, p		0.1	annual					
111-76-2	2-butoxyethanol	10	1600	24 hr					
111-75-1	2-butylaminoethanol		4	annual					
2837-89-0	2-chloro-1,1,1,2-tetrafluoroethane		5000	24 hr					
363-51-9	2-chloro-6-fluorobenzenamine		0.1	annual					
95-51-2	2-chloroaniline		10	24 hr					
95-57-8	2-chlorophenol		18	24 hr					
75-29-6	2-chloropropane		100	24 hr					
100-37-8	2-diethylaminoethanol (deae)		4	24 hr					
100-36-7	2-diethylaminoethylamine		9	annual					
166524-65-8	2-ethoxy-4,6-difluoropyrimidine		20	annual					
110-80-5	2-ethoxyethanol		200	24 hr					
97-95-0	2-ethyl butanol		40	annual					
94-96-2	2-ethyl-1,3-hexanediol		30	annual					
1758-88-9	2-ethyl-1,4-dimethyl benzene		0.1	annual					
10431-98-8	2-ethyl-2-oxazoline		53	annual					
110-73-6	2-ethylaminoethanol		1	annual					
3814-34-4	2-ethylbutyl bromide		0.1	annual					
123-05-7	2-ethylhexanal		10	annual					
149-57-5	2-ethylhexanoic acid		64	annual					
104-76-7	2-ethylhexanol		70	annual					
103-09-3	2-ethylhexyl acetate		15	annual					
103-11-7	2-ethylhexyl acrylate		18	annual					
104-75-6	2-ethylhexylamine		0.1	annual					
1070-10-6	2-ethylhexyltitanate		0.1	annual					
7473-98-5	2-hydroxy-2-methyl-1-phenyl-1-prop		0.1	annual					
56780-58-6	2-hydroxy-3-trimethylammoniopropy		0.1	annual					
68092-49-9	2-hydroxy-4(2'-hydroxy-3'dacyloxyp		0.1	annual					
68083-40-9	2-hydroxy-4(2'-hydroxy-3'octoxypro		0.1	annual					
868-77-9	2-hydroxyethyl methacrylate		10	annual					
- -0	2-mercapto-3-(trifluoromethyl)-phen		0.1	annual					

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1589-47-5	2-methoxy-1-propanol		660	24 hr					
70657-70-4	2-methoxy-1-propanol acetate		500	24 hr					
116-11-0	2-methoxy-1-propene		6	annual					
109-86-4	2-methoxyethanol		20	24 hr					
78-78-4	2-methyl butane		17700	8 hr					
624-41-9	2-methyl butyl acetate		1100	24 hr					
137-32-6	2-methyl-1-butanol		13	annual					
2682-20-4	2-methyl-4-isothiazolin-3-one		0.1	annual					
27646-80-6	2-methylamino-2-methyl-1-propanol		0.1	annual					
109-83-1	2-methylaminoethanol		38	annual					
591-76-4	2-methylhexane		3500	8 hr					
91-57-6	2-methylnaphthalene		10	annual					
107-83-5	2-methylpentane		17600	8 hr					
91-59-8	2-naphthylamine						0.00013	0.0013	annual
102-81-8	2-n-dibutylaminoethanol		28	24 hr					
79-46-9	2-nitropropane		20	24 hr			0.00037	0.0037	annual
111-13-7	2-octanone		20	annual					
626-38-0	2-pentyl acetate		2600	8 hr					
10215-30-2	2-propoxy-1-propanol		0.1	annual					
7580-85-0	2-tert-butoxyethanol		7	annual					
71945-54-5	3-(1,1-dimethylethoxy)-heptane		6	annual					
677-21-4	3,3,3-trifluoropropene		280	annual					
22431-89-6	3,3,6,6-tetramethyl-1,2-dioxane		0.1	annual					
6574-99-8	3,4-dichlorobenzonitrile		2	annual					
64248-62-0	3,4-difluorobenzonitrile		0.6	annual					
95-65-8	3,4-dimethyl phenol		3.5	24 hr					
68575-36-0	3,5-dichloro-a-methyl st		16	annual					
107-54-0	3,5-dimethyl-1-hexyn-3-o		0.1	annual					
108-68-9	3,5-dimethylphenol		0.8	annual					
35794-11-7	3,5-dimethylpiperidine		0.1	annual					
591-22-0	3,5-lutidine		0.1	annual					
16691-43-3	3-amino-5-mercapto-1,2,4-triazole		7	annual					
126-06-7	3-bromo-1-chloro-5,5-dimethylhydant		2	8 hr					
627-30-5	3-chloro-1-propanol		0.1	annual					
563-47-3	3-chloro-2-methylpropene						0.03	0.3	annual
117482-84-5	3-chloro-4-fluorobenzonitrile		2	annual					

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95-74-9	3-chloro-p-toluidine		2	annual					
4420-74-0	3-mercaptopropyltrimethoxysilane		2.4	annual					
56539-66-3	3-methoxy-3methyl-1butanol		13	annual					
103429-90-9	3-methoxy-3methyl-1butyl acetate		0.1	annual					
589-34-4	3-methylhexane		3500	8 hr					
96-14-0	3-methylpentane		3500	8 hr					
108-99-6	3-picoline		80	annual					
67812-17-3	3-trimethoxysilyl propylmethyl meth		0.1	annual					
28984-69-2	4,4-(5h)-oxazoledimethanol, 2-(hepa		0.1	annual					
1761-71-3	4,4'-diaminodicyclohexylmethane		6	annual					
5436-21-5	4,4-dimethoxy-2-butanone		20	annual					
101-14-4	4,4-methylenebis(2-chloroaniline)						0.03	0.3	annual
40758-65-4	4,6-dichloro-2-ethoxypyrimidine		0.1	annual					
1074-40-4	4,6-dichloro-2-methoxypyrimidine		0.1	annual					
27078-75-7	4,6-difluoro-2-methoxypyrimidine		0.1	annual					
19549-80-5	4,6-dimethyl-2-heptanone	19	0.1	annual					
103335-54-2	4-aza acid		17	annual					
- -0	4-chloro-2-ethoxy-6-fluoropyrimidi		0.1	annual					
110888-15-8	4-chloro-3-fluorobenzonitrile		0.1	annual					
65402-65-5	4-hydroxytetramethyl piperadine free		4	annual					
4652-27-1	4-methoxy-3-buten-2-one		0.1	annual					
100-06-1	4-methoxyacetophenone		0.1	annual					
622-97-9	4-methylstyrene		2	annual					
100-02-7	4-nitrophenol		0.7	annual					
4994-16-5	4-phenylcyclohexene		33	annual					
100-40-3	4-vinylcyclohexene		4	8 hr					
129879-84-1	5-amino-1,2,4-triazole-3-sulfonyl chl		7	annual					
97658-80-5	5-bp-bisensamine		10	annual					
26172-55-4	5-chloro-2-methyl-4-isothiazolin-3-o		0.1	annual					
91-44-1	7-diethylamino-4-methyl coumarin		16	annual					
83-32-9	acenaphthene		210	24 hr					
208-96-8	acenaphthylene		35	24 hr					
75-07-0	acetaldehyde		9	24 hr			0.5	5	annual
64-19-7	acetic acid		250	8 hr					
67-64-1	acetone		5900	8 hr					
75-05-8	acetonitrile		60	24 hr					

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98-86-2	acetophenone		490	8 hr					
75-36-5	acetyl chloride		0.1	annual					
107-02-8	acrolein	13	0.02	annual	5	1 hr			
79-06-1	acrylamide		6	24 hr			0.0008	0.008	annual
79-10-7	acrylic acid		1	24 hr					
107-13-1	acrylonitrile		2	24 hr			0.01	0.1	annual
814-68-6	acryloyl chloride		0.3	annual					
44992-01-0	acryloyloxyethyltrimethyl ammoniu		0.1	annual					
126-86-3	actylenic diol		0.1	annual					
- -0	ad acid		17	annual					
1330-86-5	adipate plasticizer		0.1	annual					
124-04-9	adipic acid		50	8 hr					
75782-86-4	alcohols c12-13		31	annual					
69013-18-9	alcohols c8-18 ethoxylated propoxyla		0.1	annual					
309-00-2	aldrin						0.0002	0.002	annual
3779-63-3	aliphatic polyisocyanate-1		0.1	annual					
68515-40-2	alkyl benzyl phthalate		0.1	annual					
107-18-6	allyl alcohol		18	24 hr					
300-57-2	allyl benzene		5	annual					
107-05-1	allyl chloride		1	annual	31	8 hr			
106-92-3	allyl glycidyl ether						0.1	1	annual
532-27-4	alpha chloroacetophenone		0.03	24 hr					
9000-90-2	alpha-amylase	4	0.02	1 hr					
552-45-4	alpha-chloro-ortho-xylene		0.1	annual					
319-84-6	alpha-hexachlorocyclohexane						0.0006	0.006	annual
98-83-9	alpha-methyl styrene		230	24 hr					
68037-76-3	alphamethylstyrene(dodecyl)polysilo		0.1	annual					
109-06-8	alpha-picoline		24	24 hr					
10482-56-1	alpha-terpineol		0.1	annual					
7446-70-0	aluminum chloride		20	8 hr					
24304-00-5	aluminum nitride		0.03	annual					
60304-36-1	aluminum potassium fluoride		0.2	annual					
140-31-8	aminoethylpiperazine		0.1	annual					
6419-19-8	aminotrimethylene phosphonic acid		0.1	annual					
7664-41-7	ammonia		100	24 hr					
7722-76-1	ammonium dihydrogen phosphate		0.1	annual					

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16919-31-6	ammonium hexafluorozirconate		0.1	annual					
1336-21-6	ammonium hydroxide		200	24 hr					
12054-85-2	ammonium molybdate		5	8 hr					
60676-86-0	amorphous fused silica		1	8 hr					
- -0	amyl acetate (mixture)		1100	24 hr					
71-41-0	amyl alcohol		120	annual					
110-58-7	amylamine		1	annual					
513-35-9	amylene		106	annual					
63-05-8	androstenedione		17	annual					
63937-30-4	anhydro-dimethylamino hexose reduc		0.6	annual					
62-53-3	aniline	3	1	annual	76	8 hr	0.6		annual
120-12-7	anthracene		1000	24 hr					
7440-36-0	antimony		0.2	24 hr					
28300-74-5	antimony potassium tartrate		5	8 hr					
10025-91-9	antimony trichloride		5	8 hr					
1309-64-4	antimony trioxide		0.2	24 hr					
1345-04-6	antimony trisulfide		0.2	24 hr					
68477-31-6	aromatic petroleum derivative solvent		13	annual					
7440-38-2	arsenic						0.0002	0.002	annual
7784-42-1	arsine		0.05	24 hr					
1332-21-4	asbestos	16					2.2E-05	0.00022	annual
136816-75-6	atevirdane mesylate		16	annual					
- -0	atlox 848		0.1	annual					
103-33-3	azobenzene						0.03	0.3	annual
9001-92-7	bacillus subtilis neutral protease	4	0.02	1 hr					
7440-39-3	barium		5	8 hr					
13701-59-2	barium metaborate monohydrate		0.1	annual					
7727-43-7	barium sulfate		50	8 hr					
147-24-0	benadryl hcl		50	annual					
56-55-3	benz(a)anthracene	5							annual
100-52-7	benzaldehyde						0.4	4	annual
71-43-2	benzene		30	annual	30	24 hr	0.1	1	annual
91-01-0	benzhydrol		16	annual					
92-87-5	benzidine						0.00002	0.0002	annual
50-32-8	benzo(a)pyrene	5					0.0005	0.005	annual
205-99-2	benzo(b)fluoranthene	5							annual

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191-24-2	benzo(g,h,i)perylene		12	24 hr					
207-08-9	benzo(k)fluoranthene	5							annual
694-87-1	benzocyclobutene		220	annual					
119-53-9	benzoin		32	24 hr					
95-16-9	benzothiazole		1	annual					
25973-55-1	benzotriazol dimethylpropyl phenol		0.1	annual					
100-51-6	benzyl alcohol		5000	24 hr					
100-44-7	benzyl chloride						0.02	0.2	annual
103-83-3	benzyl dimethylamine		30	annual					
100-46-9	benzylamine		0.1	annual					
100-85-6	benzyltrimethylammonium hydroxide		0.1	annual					
7440-41-7	beryllium		0.02	24 hr			0.0004	0.004	annual
64-04-0	beta phenylethylamine		0.1	annual					
126-99-8	beta-chloroprene		20	24 hr			0.002	0.02	annual
981-34-0	betamethasone 11		17	annual					
- -0	biosam tp-1.5	4	0.02	1 hr					
92-52-4	biphenyl	21	15	8 hr					
3033-62-3	bis (2-dimethylaminoethyl) ether		0.05	24 hr					
108-60-1	bis(2-chloroisopropyl)ether		140	24 hr					
102054-10-4	bis(2-methoxy-1-methylethy		6	annual					
542-88-1	bis(chloromethyl)ether						1.6E-05	0.00016	annual
13528-93-3	bis(me2clsilyl)ethane		0.1	annual					
41556-26-7	bis(pentamethylpiperdiny)sebacate		0.1	annual					
111-44-4	bis-2-chloroethylether						0.003	0.03	annual
60966-36-1	bisnoralcohol		17	annual					
25068-38-6	bisphenol a/epichlorohydrin resin		160	annual					
25085-99-8	bisphenol epoxy resin		0.1	annual					
2467-02-9	bisphenol f		0.1	annual					
10097-09-3	bis-urea accelerator		0.1	annual					
7637-07-2	boron trifluoride		0.7	24 hr					
68515-44-6	branched and linear diheptyl phthalat		0.1	annual					
111381-89-6	branched and linear heptyl nonyl pht		0.1	annual					
7726-95-6	bromine		7	8 hr					
108-86-1	bromobenzene		60	24 hr					
75-27-4	bromodichloromethane						0.06	0.6	annual
75-25-2	bromoform						0.9	9	annual

CAS No.	Chemical	note	1° ITSL (ug/m3)	ITSL Avg	2° ITSL (ug/m3)	ITSL Avg	IRSL (ug/m3)	SRSL (ug/m3)	IRSL Avg Time
56741-95-8	bropirimine		15	annual					
69102-90-5	butadiene homopolymer		0.1	annual					
106-97-8	butane	22	23800	8 hr					
4435-53-4	butoxyl		14	annual					
141-32-2	butyl acrylate		100	8 hr					
85-68-7	butyl benzyl phthalate		700	24 hr					
112-34-5	butyl carbitol		20	24 hr					
592-84-7	butyl formate		0.1	annual					
143-29-3	butylcarbitol formal		0.1	annual					
102-79-4	butyldiethanolamine		14	annual					
123-72-8	butyraldehyde		7	24 hr					
107-92-6	butyric acid		10	annual					
6408-78-2	c.i. acid blue 25		0.1	annual					
108419-35-8	c11-14 branched alkyl acetates		300	24 hr					
78330-21-9	c11-c14 isoalcohols, c14 rich, ethoxy		0.1	annual					
70914-20-4	c6-8 branched alcohols		13	annual					
7440-43-9	cadmium						0.0006	0.006	annual
7789-82-4	calcium molybdate		5	8 hr					
79-92-5	camphene		80	annual					
105-60-2	caprolactam		10	8 hr					
86-74-8	carbazole						0.4	4	annual
1333-86-4	carbon black		35	8 hr					
75-15-0	carbon disulfide		700	24 hr					
56-23-5	carbon tetrachloride		100	24 hr			0.17	1.7	annual
353-50-4	carbonyl fluoride		54	8 hr					
463-58-1	carbonyl sulfide		9	annual					
9004-32-4	carboxymethyl cellulose		300	annual					
13466-78-9	carene, delta	18	1120	8 hr					
8001-79-4	castor oil		50	8 hr					
103980-44-5	ceftiofur hydrochloride		166	annual					
7440-45-1	cerium		6	annual					
1306-38-3	cerium oxide		0.9	24 hr					
123-03-5	cetylpyridinium chloride		1.8	annual					
6004-24-6	cetylpyridinium chloride monohydrat		1.8	annual					
12789-03-6	chlordane (technical)		0.7	24 hr			0.01	0.1	annual
63449-39-8	chlorinated paraffins						0.03	0.3	annual

CAS No.	Chemical	note	1° ITSL (ug/m3)	ITSL Avg	2° ITSL (ug/m3)	ITSL Avg	IRSL (ug/m3)	SRSL (ug/m3)	IRSL Avg Time
7782-50-5	chlorine	13	0.3	annual	500	8 hr			
10049-04-4	chlorine dioxide		0.2	24 hr					
302-22-7	chlormadinone acetate		0.1	annual					
108-90-7	chlorobenzene		70	24 hr					
74-97-5	chlorobromomethane		10600	8 hr					
57-15-8	chlorobutanol		0.1	annual					
124-48-1	chlorodibromomethane						0.04	0.4	annual
75-45-6	chlorodifluoromethane		50000	24 hr					
668-45-1	chlorofluorobenzonitrile		0.1	annual					
67-66-3	chloroform						0.4	4	annual
7440-47-3	chromium	17							
1308-14-1	chromium (+3) hydroxide		0.5	24 hr					
1308-38-9	chromium 3 oxide		0.5	24 hr					
18540-29-9	chromium, hexavalent - mist		0.008	24 hr			8.3E-05	0.00083	annual
18540-29-9	chromium, hexavalent - particulate		0.1	24 hr			8.3E-05	0.00083	annual
16065-83-1	chromium, trivalent		5	8 hr					
218-01-9	chrysene	5							annual
18300-89-5	cinnamate		0.1	annual					
156-59-2	cis-1-2,dichloroethylene		7	24 hr					
627-20-3	cis-2-pentene		0.1	annual					
64741-62-4	clarified oils (petroleum), catalytic cr		12	annual					
24729-96-2	clindamycin phosphate		6	annual					
1702-17-6	clopyralid		15	annual					
7440-48-4	cobalt		0.2	8 hr					
136-52-7	cobalt 2-ethylhexanoate		0.1	annual					
27253-31-2	cobalt neodecanoate		1.4	8 hr					
61788-93-0	coco alkyldimethyl amines		0.1	annual					
8007-45-2	coke oven emissions						0.0016	0.016	annual
8050-09-7	colophony		1	1 hr					
7440-50-8	copper		2	8 hr					
147-14-8	copper phthalocyanine		21	annual					
7758-99-8	copper sulfate pentahydrate		10	8 hr					
7758-98-7	copper sulfate, anhydrous								
68132-02-5	coumarone indene resin		0.1	annual					
1319-77-3	cresol (mixed isomers)		100	8 hr					
64265-57-2	crosslinker cx100		10	annual					

CAS No.	Chemical	note	1° ITSL (ug/m3)	ITSL Avg	2° ITSL (ug/m3)	ITSL Avg	IRSL (ug/m3)	SRSL (ug/m3)	IRSL Avg Time
4170-30-3	crotonaldehyde		9	1 hr					
98-82-8	cumene		400	24 hr			0.1	1	annual
80-15-9	cumene hydroperoxide		6	24 hr					
142-71-2	cupric acetate								
57-12-5	cyanide		50	1 hr					
461-58-5	cyanoguanidine		0.1	annual					
- -0	cyclic (phme)2(me)2, d4		0.1	annual					
2370-88-9	cyclic methylhydrogensiloxane, d4		0.1	annual					
6166-86-5	cyclic methylhydrogensiloxane, d5		0.1	annual					
2374-14-3	cyclic methyltrifluoropropylsiloxane,		0.6	annual					
110-82-7	cyclohexane		6000	24 hr					
108-94-1	cyclohexanone		1000	8 hr					
12262-58-7	cyclohexanone peroxide		0.1	annual					
110-83-8	cyclohexene		10000	8 hr					
6975-71-9	cyclohexenylacetonitrile		3.5	annual					
3399-73-3	cyclohexenylethylamine		0.1	annual					
1122-82-3	cyclohexyl isothiocyanate		0.1	annual					
827-52-1	cyclohexylbenzene		0.1	annual					
287-92-3	cyclopentane		17200	8 hr					
142-29-0	cyclopentene		5	annual					
- -0	cyclopentylchlorosilane		0.1	annual					
14579-03-4	cyclopentyltrichlorosilane		0.1	annual					
147-94-4	cytarabine		0.1	annual					
72-54-8	ddd (tde)	12					0.01	0.1	annual
72-55-9	dde, p,p'	12					0.01	0.1	annual
50-29-3	ddt	12					0.01	0.1	annual
1163-19-5	decabromodiphenyl oxide		25	24 hr			5	50	annual
91-17-8	decahydronaphthalene						0.03	0.3	annual
541-02-6	decamethylcyclopentasiloxane		200	24 hr					
141-62-8	decamethyltetrasiloxane		0.1	annual					
8020-83-5	deodorized kerosene	1	24	annual					
64742-65-0	dewaxed heavy paraffinic mineral oil	11	50	8 hr					
6700-34-1	dextromethorphan hydrochloride		0.4	annual					
103-23-1	di (2-ethylhexyl) adipate						3	30	annual
123-42-2	diacetone alcohol		2375	8 hr					
131-17-9	diallyl phthalate						0.1	1	annual

CAS No.	Chemical	note	1° ITSL (ug/m3)	ITSL Avg	2° ITSL (ug/m3)	ITSL Avg	IRSL (ug/m3)	SRSL (ug/m3)	IRSL Avg Time
7783-28-0	diammonium hydrogen phosphate		0.1	annual					
2050-92-2	diamylamine		9	annual					
95481-62-2	dibasic ester		0.6	annual					
53-70-3	dibenz(a,h)anthracene	5							annual
132-64-9	dibenzofuran		0.1	annual					
96-12-8	dibromochloropropane	3	0.2	24 hr					
142-96-1	dibutyl ether		33	annual					
107-66-4	dibutyl phosphate	13	86	8 hr	170	1 hr			
84-74-2	dibutyl phthalate		50	8 hr					
77-58-7	dibutyl tin dilaurate		5	8 hr					
111-92-2	dibutylamine		23	annual					
91-94-1	dichlorobenzidine						0.002	0.02	annual
75-71-8	dichlorodifluoromethane		49500	8 hr					
4109-96-0	dichlorosilane		0.1	annual					
76-14-2	dichlorotetrafluoroethan		69000	8 hr					
62-73-7	dichlorvos	3	0.5	24 hr					
80-43-3	dicumyl peroxide		0.1	annual					
- -0	dicyclopentyldichlorosilane		0.1	annual					
60-57-1	dieldrin						0.0002	0.002	annual
68334-30-5	diesel fuel		70	annual					
111-42-2	diethanolamine		5	24 hr					
105-58-8	diethyl carbonate		5000	24 hr					
117-81-7	diethyl hexyl phthalate						0.2	2	annual
84-66-2	diethyl phthalate	13	50	8 hr	2800	24 hr			
64-67-5	diethyl sulfate		1	annual					
109-89-7	diethylamine		150	8 hr					
25340-17-4	diethylbenzene mixture		6	annual					
111-46-6	diethylene glycol		21000	24 hr					
1559-36-0	diethylene glycol mono-2-ethylhexyl		22	annual					
124-17-4	diethylene glycol monobutyl ether ac		25	24 hr					
111-90-0	diethylene glycol monoethyl ether		1750	24 hr					
112-15-2	diethylene glycol monoethyl ether ac	10	18	annual					
111-77-3	diethylene glycol monomethyl ether		190	24 hr					
104-68-7	diethylene glycol monophenyl ether		7	annual					
68610-11-7	diethylenetriamine reaction product		0.1	annual					
105-53-3	diethylmalonate		50	annual					

CAS No.	Chemical	note	1° ITSL (ug/m3)	ITSL Avg	2° ITSL (ug/m3)	ITSL Avg	IRSL (ug/m3)	SRSL (ug/m3)	IRSL Avg Time
2238-07-5	diglycidyl ether		5	8 hr					
25036-25-3	diglycidyl ether of bisphenol a		0.1	annual					
26142-30-3	diglycidyl ether of polyglycol		0.1	annual					
108-83-8	diisobutyl ketone		1500	8 hr					
107-39-1	diisobutylene		0.1	annual					
26761-40-0	diisodecyl ester phthalate		30	annual					
29733-18-4	diisodecyl glutarate		0.1	annual					
71888-89-6	diisoheptyl phthalate		100	24 hr					
28553-12-0	diisononyl phthalate		75	annual					
110-97-4	diisopropanolamine		4	annual					
108-20-3	diisopropyl ether		358	24 hr					
108-18-9	diisopropylamine		200	8 hr					
96-80-0	diisopropylaminoethanol		4	annual					
68390-56-7	diketene hydrogenated fatty acids		0.1	annual					
624-92-0	dimethyl disulfide		28	annual					
627-93-0	dimethyl adipate		0.1	annual					
616-38-6	dimethyl carbonate		300	annual					
106-79-6	dimethyl decanedioate		0.1	annual					
115-10-6	dimethyl ether		66	annual					
1119-40-0	dimethyl glutarate		0.1	annual					
756-79-6	dimethyl methyl phosphonate		700	24 hr					
106-65-0	dimethyl succinate		0.1	annual					
77-78-1	dimethyl sulfate		0.5	8 hr					
25988-97-0	dimethylamine-epichlorohydrin poly		0.1	annual					
108-16-7	dimethylamino-2-propanol		4	annual					
121-69-7	dimethylaniline						0.085	0.85	annual
1066-35-9	dimethylchlorosilane		2	annual					
28729-52-4	dimethylcyclopentane		0.1	annual					
75-78-5	dimethyldichlorosilane		6.2	annual					
1112-39-6	dimethyldimethoxysilane		90	annual					
2627-97-6	dimethyldiphenyldivynylsiloxane		0.1	annual					
108-01-0	dimethylethanolamine		16	24 hr					
996-35-0	dimethylisopropylamine		200	annual					
51200-87-4	dimethyloxazolidine		1	annual					
131-11-3	dimethylphthalate		50	8 hr					
1111-74-6	dimethylsilane		30	24 hr					

CAS No.	Chemical	note	1° ITSL (ug/m3)	ITSL Avg	2° ITSL (ug/m3)	ITSL Avg	IRSL (ug/m3)	SRSL (ug/m3)	IRSL Avg Time
75-18-3	dimethylsulfide		7	annual					
67-68-5	dimethylsulfoxide		20	annual					
513-37-1	dimethylvinyl chloride						0.008	0.08	annual
1719-58-0	dimethylvinylchlorosilane		0.1	annual					
534-52-1	dinitro-o-cresol		2	8 hr					
117-84-0	di-n-octyl phthalate		470	24 hr					
88-85-7	dinoseb		4	24 hr					
142-84-7	di-n-propylamine		1.5	annual					
838-85-7	diphenyl phosphoric acid		0.1	annual					
144-79-6	diphenylmethylchlorosilane		0.1	annual					
778-25-6	diphenylmethylsilanol		6	annual					
101-84-8	diphenyloxide		70	8 hr					
123-19-3	dipropyl ketone		250	24 hr					
25265-71-8	dipropylene glycol		242	annual					
111109-77-4	dipropylene glycol dimethyl ether		59	24 hr					
34590-94-8	dipropylene glycol methyl ether		720	24 hr					
88917-22-0	dipropylene glycol methyl ether aceta		930	24 hr					
29911-28-2	dipropylene glycol monobutyl ether		11	annual					
29911-27-1	dipropylene glycol monopropyl ether		5	annual					
51730-94-0	dipropylene glycol phenyl ether		0.1	annual					
4444-67-1	di-sec-butylamine		417	annual					
1590-87-0	disilane		0.1	annual					
- -0	disiloxane		0.1	annual					
123312-54-9	distearyldimethylammonium bisulfat		0.1	annual					
3843-16-1	distearyldimethylammonium methosu		0.1	annual					
64741-89-5	distillates (petroleum) solvent-refined	11	50	8 hr					
64742-30-9	distillates (petroleum), chemically ne	1	2	annual					
68410-00-4	distillates (petroleum), crude oil		19	annual					
64741-81-7	distillates (petroleum), heavy thermal		15	annual					
64741-82-8	distillates (petroleum), light thermal c	24	93	annual					
64741-59-9	distillates, (petroleum), light catalytic	24	93	annual					
68783-24-4	di-tallow alkylamines		0.1	annual					
330-54-1	diuron		7	24 hr					
98-84-0	dl-alpha phenylethylamine		3	annual					
5989-27-5	d-limonene		6250	24 hr					
540-97-6	dodecamethylcyclohexasiloxane		400	annual					

CAS No.	Chemical	note	1° ITSL (ug/m3)	ITSL Avg	2° ITSL (ug/m3)	ITSL Avg	IRSL (ug/m3)	SRSL (ug/m3)	IRSL Avg Time
63148-57-2	dow corning fluid 1107		30	annual					
35884-42-5	dowanol dpnb		0.1	annual					
170557-43-4	dowanol tmh-deg borate ester		32	annual					
145-73-3	endothall		35	24 hr					
106-89-8	epichlorohydrin		1	24 hr			0.8	8	annual
- -0	epoxy resin solution		6	annual					
50-28-2	estradiol		0.1	annual					
313-06-4	estradiol cypionate		0.1	annual					
- -0	ethomeen t/30		0.1	annual					
61791-28-4	ethoxy, tallow alcohol		0.1	annual					
68439-49-6	ethoxylated c16-18 alcohols		4	annual					
61791-12-6	ethoxylated castor oil			annual					
7085-85-0	ethyl 2-cyanoacrylate		10	8 hr					
141-78-6	ethyl acetate		3200	24 hr					
141-97-9	ethyl acetoacetate		46	annual					
140-88-5	ethyl acrylate		30	24 hr					
64-17-5	ethyl alcohol		19000	8 hr					
541-85-5	ethyl amyl ketone		220	24 hr					
75-00-3	ethyl chloride		10000	24 hr					
105-39-5	ethyl chloroacetate		0.1	annual					
105-56-6	ethyl cyanoacetate		0.1	annual					
60-29-7	ethyl ether		12000	8 hr					
109-94-4	ethyl formate		3000	8 hr					
97-64-3	ethyl lactate		20	annual					
106-68-3	ethyl sec-amyl ketone		1310	8 hr					
78-10-4	ethyl silicate		850	8 hr					
637-92-3	ethyl tertiary butyl ether		373	24 hr					
25550-14-5	ethyl toluene -mixture		0.1	annual					
109-92-2	ethyl vinyl ether		20	annual					
763-69-9	ethyl-3-ethoxypropionate		134	24 hr					
107-00-6	ethylacetylene		0.1	annual					
75-04-7	ethylamine		92	8 hr					
100-41-4	ethylbenzene		1000	24 hr			3	30	annual
68987-42-8	ethylenated benzene residues		6	annual					
74-85-1	ethylene		6240	24 hr					
142-59-6	ethylene bithiocarbamate disodium		1	annual					

CAS No.	Chemical	note	1° ITSL (ug/m3)	ITSL Avg	2° ITSL (ug/m3)	ITSL Avg	IRSL (ug/m3)	SRSL (ug/m3)	IRSL Avg Time
96-49-1	ethylene carbonate		30	annual					
107-15-3	ethylene diamine		0.03	annual					
106-93-4	ethylene dibromide		9	24 hr			0.002	0.02	annual
107-21-1	ethylene glycol		1000	1 hr					
112-48-1	ethylene glycol dibutyl ether		10	annual					
110-71-4	ethylene glycol dimethyl ether		24	24 hr					
1559-35-9	ethylene glycol mono-2-ethylhexyl et		37	annual					
112-07-2	ethylene glycol monobutyl ether acet	10	17600	24 hr					
111-15-9	ethylene glycol monoethyl ether acet		293	24 hr					
112-25-4	ethylene glycol monohexyl ether		8	annual					
110-49-6	ethylene glycol monomethyl ether ac		31	24 hr					
122-99-6	ethylene glycol monophenyl ether		8	annual					
2807-30-9	ethylene glycol monopropyl ether		30	annual					
75-21-8	ethylene oxide						0.03	0.3	annual
96-45-7	ethylene thiourea		0.28	24 hr			0.01	0.1	annual
64-02-8	ethylenediamine tetra-acetic acid, tetr		0.1	annual					
9004-58-4	ethylhydroxyethyl cellulose		50	8 hr					
78-07-9	ethyltriethoxysilane		44	annual					
5314-55-6	ethyltrimethoxysilane		3	annual					
7525-62-4	ethylvinyl benzene		0.1	annual					
64742-06-9	extracts (petroleum), middle distillate		2	annual					
108419-34-7	exxate 1000		17	annual					
108419-32-5	exxate 800 - octyl acetate		110	24 hr					
108419-33-6	exxate 900		17	annual					
68459-31-4	fatty acids c9-11 branched glycidyl e		0.1	annual					
136797-56-3	fc-247		24	annual					
24510-87-0	flumethasone 5		0.1	annual					
2476-74-6	flumethasone 6		0.1	annual					
98967-40-9	flumetsulam		26	annual					
206-44-0	fluoranthene		140	24 hr					
86-73-7	fluorene		140	24 hr					
69991-67-9	fomblin perfluorpolyether		0.1	annual					
50-00-0	formaldehyde		9	8 hr			0.08	0.8	annual
75-12-7	formamide		600	24 hr			0.2	2	annual
64-18-6	formic acid		2	24 hr					
110-00-9	furan		4	24 hr			0.0002	0.002	annual

CAS No.	Chemical	note	1° ITSL (ug/m3)	ITSL Avg	2° ITSL (ug/m3)	ITSL Avg	IRSL (ug/m3)	SRSL (ug/m3)	IRSL Avg Time
98-01-1	furfural						0.06	0.6	annual
98-00-0	furfuryl alcohol		1	24 hr			0.03	0.3	annual
- -0	fyre-zyme		0.15	annual					
96-48-0	gamma-butyrolactone		280	24 hr					
8006-61-9	gasoline						2	20	annual
1310-53-8	germanium dioxide		7	annual					
7782-65-2	germanium tetrahydride		6	8 hr					
111-30-8	glutaraldehyde	13	0.08	annual	0.2	1 hr			
56-81-5	glycerol		100	8 hr					
106-91-2	glycidyl methacrylate	13	0.8	annual	16	24 hr			
93-14-1	guaifenesin		5	annual					
64741-65-7	heavy alkylate naphtha	1	3500	8 hr					
64742-94-5	heavy aromatic solvent naphtha	1	70	24 hr					
64741-68-0	heavy catalytic reformed naphtha		70	annual					
68551-17-7	heavy naphtha	1	3500	8 hr					
76-44-8	heptachlor						0.0008	0.008	annual
- -0	heptamethyl-1-vinyl-1,7-dichlorotetr		0.1	annual					
1873-88-7	heptamethyltrisiloxane		0.1	annual					
142-82-5	heptane		3500	8 hr					
118-74-1	hexachlorobenzene						0.002	0.02	annual
87-68-3	hexachlorobutadiene						0.05	0.5	annual
77-47-4	hexachlorocyclopentadiene		0.2	24 hr					
13465-77-5	hexachlorodisilane		0.1	annual					
67-72-1	hexachloroethane		3.5	24 hr			0.3	3	annual
12021-95-3	hexafluorozirconium acid		0.1	annual					
1009-93-4	hexamethylcyclotrisilazane		0.1	annual					
541-05-9	hexamethylcyclotrisiloxane		50	annual					
999-97-3	hexamethyldisilazane		206	annual					
107-46-0	hexamethyldisiloxane		240	annual					
822-06-0	hexamethylene diisocyanate		0.01	24 hr					
100-97-0	hexamethylenetetramine		100	annual					
66-25-1	hexanaldehyde		2	annual					
69696-98-6	hexane 1,6-bis(tributyl ammonium br		0.1	annual					
144669-03-4	hexenylsiloxane		16	annual					
144669-04-5	hexenylsiloxanes		16	annual					
107-41-5	hexylene glycol		1210	1 hr					

CAS No.	Chemical	note	1° ITSL (ug/m3)	ITSL Avg	2° ITSL (ug/m3)	ITSL Avg	IRSL (ug/m3)	SRSL (ug/m3)	IRSL Avg Time
431-89-0	hfc-227ea	13	130000	annual	5560000	1 hr			
68037-88-7	high molecular weight sili		0.1	annual					
68037-58-1	high molecular wt. silicon		0.1	annual					
63148-62-9	high molecular wt. silicon		2	annual					
68918-22-9	high molecular wt. silicon		0.1	annual					
70131-67-8	high molecular wt. silicon		0.1	annual					
69430-24-6	high molecular wt. silicon		30	annual					
68083-19-2	high molecular wt. silicon		0.1	annual					
302-01-2	hydrazine						0.0002	0.002	annual
10034-93-2	hydrazine sulfate						0.0008	0.008	annual
68956-56-9	hydrocarbons, terpene processing by-		0.1	annual					
50-03-3	hydrocortisone acetate		15	annual					
64742-81-0	hydrodesulfurized kerosene	24	2	annual					
64742-80-9	hydrodesulfurized middle distillate		2	annual					
10035-10-6	hydrogen bromide		70	1 hr					
7647-01-0	hydrogen chloride	13	20	annual	2100	1 hr			
74-90-8	hydrogen cyanide	13	0.8	annual	50	1 hr			
7664-39-3	hydrogen fluoride	13	14	annual	240	1 hr			
7722-84-1	hydrogen peroxide		14	8 hr					
7783-06-4	hydrogen sulfide		2	annual	100	24 hr			
64742-48-9	hydrotreated heavy naphth	1	3500	8 hr					
64742-52-5	hydrotreated heavy naphthenic distill	11	50	8 hr					
64742-54-7	hydrotreated heavy paraffinic mineral	11	50	8 hr					
64742-47-8	hydrotreated light distillate	1	24	annual					
64742-49-0	hydrotreated light naphtha	1	3500	8 hr					
64742-53-6	hydrotreated light naphthenic distillat	11	50	8 hr					
64742-55-8	hydrotreated light paraffinic distillate	11	50	8 hr					
64742-46-7	hydrotreated middle distillate	1	2	annual					
79-14-1	hydroxyacetic acid/ glycolic acid		4	annual					
34375-28-5	hydroxymethylamino ethanol		0.1	annual					
10096-91-0	hydroxyphenylbenzotriazole		0.1	annual					
9016-45-9	igepal co-630		18	annual					
193-39-5	indeno(1,2,3-cd)pyrene	5							annual
7553-56-2	iodine		10	1 hr					
15321-61-6	iron oxalate		0.1	annual					
123-92-2	isoamyl acetate		5250	8 hr					

CAS No.	Chemical	note	1° ITSL (ug/m3)	ITSL Avg	2° ITSL (ug/m3)	ITSL Avg	IRSL (ug/m3)	SRSL (ug/m3)	IRSL Avg Time
123-51-3	isoamyl alcohol		360	8 hr					
5888-33-5	iso-bornyl acrylate		14	annual					
75-28-5	isobutane	22	23800	8 hr					
110-19-0	isobutyl acetate		480	8 hr					
78-83-1	isobutyl alcohol		1500	8 hr					
97-85-8	isobutyl isobutyrate		300	annual					
97-86-9	isobutyl methacrylate		600	annual					
115-11-7	isobutylene		21	annual					
18395-30-7	isobutyltrimethoxysilane		200	annual					
78-84-2	isobutyraldehyde		160	24 hr					
79-31-2	isobutyric acid		0.9	annual					
338-98-7	isoflupredone acetate		0.01	annual					
26952-21-6	isooctanol		2700	8 hr					
90622-57-4	isopar h		128	annual					
78-59-1	isophorone		280	1 hr			3.7	37	annual
53880-05-0	isophorone diisocyanate polymer		0.1	annual					
78-79-5	isoprene						0.02	0.2	annual
108-21-4	isopropyl acetate		4200	8 hr					
67-63-0	isopropyl alcohol		220	24 hr					
75-31-0	isopropylamine		120	8 hr					
121-93-7	isopropyl-diethanolamine		0.1	annual					
109-56-8	isopropylethanolamine		0.1	annual					
590-86-3	isovaleraldehyde		800	annual					
1332-58-7	kaolin		20	8 hr					
50-21-5	lactic acid		7	annual					
2627-86-3	l-alpha-phenylethylamine		0.1	annual					
39464-66-9	lauryl alcohol, phosphated		20	annual					
10190-55-3	lead molybdate		30	8 hr					
64741-66-8	light alkylate naphtha		138	annual					
64742-95-6	light aromatic solvent naphtha (petrol	1	61	annual					
859-18-7	lincomycin hydrochloride		75	24 hr					
141-63-9	linear dimethylsiloxanes,md3m(&hig		0.1	annual					
68083-20-5	linear methylvinylsiloxane ppolymer		0.1	annual					
67762-41-8	linear primary alcohol		0.1	annual					
7439-93-2	lithium		35	24 hr					
21324-40-3	lithium hexafluorophosphate		0.1	annual					

CAS No.	Chemical	note	1° ITSL (ug/m3)	ITSL Avg	2° ITSL (ug/m3)	ITSL Avg	IRSL (ug/m3)	SRSL (ug/m3)	IRSL Avg Time
1310-66-3	lithium hydroxide		0.25	8 hr					
1345-05-7	lithopone		0.1	annual					
66071-86-1	lv 837/821		0.1	annual					
7439-95-4	magnesium		100	8 hr					
546-93-0	magnesium carbonate		50	8 hr					
7786-30-3	magnesium chloride		5	annual					
1309-42-8	magnesium hydroxide		100	8 hr					
10377-60-3	magnesium nitrate		100	8 hr					
1309-48-4	magnesium oxide		100	8 hr					
557-04-0	magnesium stearate		100	8 hr					
108-31-6	maleic anhydride		0.01	24 hr					
6915-15-7	malic acid		5	annual					
591-27-5	m-aminophenol		390	annual					
15956-58-8	manganese 2-ethylhexanoate		0.3	24 hr					
7439-96-5	manganese and compounds		0.05	annual					
27253-32-3	manganese neodecanoate		0.3	24 hr					
10034-96-5	manganese sulfate monohydrate		0.15	24 hr					
26544-20-7	mcpa 2-ehe (2-methyl-4-chloropheno		90	annual					
644-62-2	meclofenamic acid		0.1	annual					
108-78-1	melamine						1.5	15	annual
2919-66-6	melengesterol acetate		2	24 hr					
7439-97-6	mercury	7							
141-79-7	mesityl oxide		400	8 hr					
79-41-4	methacrylic acid		30	24 hr					
75-75-2	methane sulfonic acid		1.4	annual					
3144-09-0	methanesulfonamide		44	annual					
67-56-1	methanol		3250	1 hr					
79-20-9	methyl acetate		6100	8 hr					
74-99-7	methyl acetylene		16500	8 hr					
96-33-3	methyl acrylate		70	24 hr					
108-11-2	methyl amyl alcohol		1000	8 hr					
93-58-3	methyl benzoate		4	annual					
74-83-9	methyl bromide	3	5	24 hr					
115-19-5	methyl butynol		6.5	annual					
74-87-3	methyl chloride		90	24 hr			1.6	16	annual
71-55-6	methyl chloroform		6000	24 hr					

CAS No.	Chemical	note	1° ITSL (ug/m3)	ITSL Avg	2° ITSL (ug/m3)	ITSL Avg	IRSL (ug/m3)	SRSL (ug/m3)	IRSL Avg Time
17639-93-9	methyl chloropropionate		6	annual					
78-93-3	methyl ethyl ketone		5000	24 hr					
1338-23-4	methyl ethyl ketone peroxide		15	1 hr					
107-31-3	methyl formate		1250	8 hr					
60-34-4	methyl hydrazine		0.03	24 hr			0.0087	0.087	annual
110-12-3	methyl isoamy ketone		2300	8 hr					
108-10-1	methyl isobutyl ketone		3000	24 hr					
74-93-1	methyl mercaptan		10	1 hr					
80-62-6	methyl methacrylate		700	24 hr					
1184-85-6	methyl methane sulfonamide		0.1	annual					
110-43-0	methyl n-amyl ketone		2330	8 hr					
591-78-6	methyl n-butyl ketone		30	24 hr					
9003-11-6	methyl oxirane (pluronic p103)		0.1	annual					
82919-37-7	methyl pentamethyl-4-piperidinyl est		0.1	annual					
53-36-1	methyl predisolone acetate		43	annual					
107-87-9	methyl propyl ketone		5300	8 hr					
124-63-0	methyl sulfonyl chloride		2	annual					
1634-04-4	methyl t-butyl ether		3000	24 hr					
74-89-5	methylamine		64	8 hr					
593-51-1	methylamine hydrochloride		64	8 hr					
108-87-2	methylcyclohexane		16000	8 hr					
96-37-7	methylcyclopentane		700	24 hr					
75-54-7	methylchlorosilane		4	annual					
105-59-9	methyl-diethanolamine		6	annual					
16881-77-9	methyl-dimethoxysilane		92	annual					
75-09-2	methylene chloride		2000	annual	14000	1 hr	60	600	annual
101-68-8	methylene diphenyl diisocyanate		0.6	24 hr					
96-29-7	methylethylketoxime						2.5	25	annual
992-94-9	methylsilane		30	24 hr					
4253-34-3	methyl-triacetoxysilane		0.1	annual					
75-79-6	methyl-trichlorosilane		109	annual					
2031-67-6	methyl-triethoxysilane		23	annual					
50791-87-2	methyl-vinylbis(n-methylace		4	annual					
124-70-9	methyl-vinyl-dichlorosilane		6	annual					
16753-62-1	methyl-vinyl-dimethoxysilane		100	annual					
8012-95-1	mineral oil	11	50	8 hr					

CAS No.	Chemical	note	1° ITSL (ug/m3)	ITSL Avg	2° ITSL (ug/m3)	ITSL Avg	IRSL (ug/m3)	SRSL (ug/m3)	IRSL Avg Time
64475-85-0	mineral spirits	1	3500	8 hr					
1330-20-7	mixed xylenes	2	100	24 hr					
7439-98-7	molybdenum		30	8 hr					
18868-43-4	molybdenum dioxide		30	8 hr					
1317-33-5	molybdenum disulfide		30	8 hr					
1313-27-5	molybdenum trioxide		5	8 hr			0.12	1.2	annual
46438-39-5	monobutyl monophenyl phosphoric a		0.1	annual					
1623-15-0	monobutyl phosphoric acid		15	annual					
95-49-8	monochlorotoluene		70	24 hr					
78-96-6	monoisopropanolamine		15	annual					
701-64-4	monophenyl phosphoric acid		3	annual					
28729-54-6	m-propyl toluene		0.1	annual					
620-23-5	m-tolualdehyde	20	440	24 hr					
98-17-9	m-trifluoromethylphenol		0.08	annual					
108-38-3	m-xylene	2	100	24 hr					
126803-73-4	n-(2,6-dichloro-3-methylphenyl)-5,7-		0.1	annual					
113171-12-3	n-(2,6-difluorophenyl)-5-amino-1h-1,		0.1	annual					
98967-55-6	n-(2,6-difluorophenyl)-7-methyl-1h-1		0.1	annual					
1760-24-3	n-(3-(trimethoxysilyl)propyl)-ethylen		8	annual					
104-78-9	n,n-diethyl-1,3-propanediamine		140	annual					
606-46-2	n,n-diethyl-o-toluene		0.1	annual					
613-48-9	n,n-diethyl-p-toluidine		0.1	annual					
124-28-7	n,n-dimethyl octadecylamine		0.1	annual					
80-73-9	n,n'-dimethylethyleneurea		0.1	annual					
68-12-2	n,n-dimethylformamide		30	24 hr					
99-97-8	n,n-dimethyl-p-toluidine		28	annual					
110-30-5	n,n'-ethylene bis-octadecanamide		0.1	annual					
628-63-7	n-amyl acetate		1100	24 hr					
8030-30-6	naphtha	1	3500	8 hr					
64742-82-1	naphtha (petroleum) hydrodesulfuriz		14	annual					
64741-55-5	naphtha (petroleum), light catalytic cr	25	5600	24 hr					
64741-41-9	naphtha heavy straight run	1	3500	8 hr					
68955-35-1	naphtha, catalytic reformed		350	24 hr					
64741-64-6	naphtha, full range alkylate	1	3500	8 hr					
64741-42-0	naphtha, full range straight run		18	annual					
64741-54-4	naphtha, heavy catalytic cracked		115	annual					

CAS No.	Chemical	note	1° ITSL (ug/m3)	ITSL Avg	2° ITSL (ug/m3)	ITSL Avg	IRSL (ug/m3)	SRSL (ug/m3)	IRSL Avg Time
64741-83-9	naphtha, heavy thermal cracked	25	5600	24 hr					
64741-63-5	naphtha, light catalytic reformed		100	annual					
91-20-3	naphthalene		3	24 hr			0.08	0.8	annual
71-36-3	n-butanol		350	24 hr					
63716-40-5	n-butoxy propanol (mixed isomers)	23	77	annual					
123-86-4	n-butyl acetate		7100	8 hr					
109-69-3	n-butyl chloride		1500	24 hr					
2426-08-6	n-butyl glycidyl ether		300	1 hr					
97-88-1	n-butyl methacrylate		569	annual					
590-01-2	n-butyl propionate		102	annual					
104-51-8	n-butylbenzene		30	annual					
- -0	n-butylglucamine		6.4	annual					
- -0	n-chloro-2,6-difluorobenzamide		0.1	annual					
112-55-0	n-dodecyl mercaptan		8	8 hr					
1405-10-3	neomycin sulfate		280	annual					
126-30-7	neopentyl glycol		0.1	annual					
17557-23-2	neopentyl glycol diglycidyl ether		0.1	annual					
112-06-1	n-heptyl acetate		16	annual					
110-54-3	n-hexane		700	24 hr					
7440-02-0	nickel						0.0042	0.042	annual
12035-72-2	nickel subsulfide						0.0021	0.021	annual
21348-59-4	niobium oxalate		0.1	annual					
1313-96-8	niobium oxide		0.1	annual					
7697-37-2	nitric acid		50	8 hr					
15245-12-2	nitric acid, ammonium calcium salt		0.1	annual					
98-95-3	nitrobenzene		9	24 hr			0.025	0.25	annual
79-24-3	nitroethane		60	24 hr					
7783-54-2	nitrogen trifluoride		100	8 hr					
75-52-5	nitromethane		70	24 hr			0.1	1	annual
107-68-6	n-methyl taurine		17	annual					
626-67-5	n-methylpiperidine		8	annual					
872-50-4	n-methylpyrrolidone		700	24 hr					
836-30-6	n-nitrodiphenylamine		1	annual					
1116-54-7	n-nitrosodiethanolamine						0.0012	0.012	annual
62-75-9	n-nitrosodimethylamine						0.00007	0.0007	annual
621-64-7	n-nitroso-di-n-propylamine						0.0005	0.005	annual

CAS No.	Chemical	note	1° ITSL (ug/m3)	ITSL Avg	2° ITSL (ug/m3)	ITSL Avg	IRSL (ug/m3)	SRSL (ug/m3)	IRSL Avg Time
684-93-5	n-nitroso-n-methylurea						1.7E-06	1.7E-05	annual
111-84-2	n-nonane		550	24 hr					
25154-52-3	nonyl phenol (mixed isomers)		30	24 hr					
64771-72-8	norpar 12		0.1	annual					
303-81-1	novobiocin		40	24 hr					
624-54-4	n-pentyl proprionate		21	annual					
109-60-4	n-propyl acetate		8350	8 hr					
71-23-8	n-propyl alcohol		730	annual					
16369-21-4	n-propylethanolamine		28	annual					
103-99-1	n-stearoyl-4-aminophenol		0.1	annual					
88-12-0	n-vinylpyrrolidinone						0.04	0.4	annual
68309-52-4	nylen 5		0.1	annual					
1-06-4	o-(1-ethoxyethyl)-2-(propylthio)-3-(t		0.1	annual					
3020-12-0	o-(1-ethoxyethyl)-3-(trifluoromethyl)		0.1	annual					
134-29-2	o-ansidine hydrochloride						0.04	0.4	annual
88-65-3	o-bromobenzoic acid		0.1	annual					
118-91-2	o-chlorobenzoic acid		0.1	annual					
95-48-7	o-cresol		100	8 hr					
124-26-5	octadecanamide		0.1	annual					
627-83-8	octadecanoic acid, 1,2-ethanediyl est		0.1	annual					
27668-52-6	octadecyldimethyl (3-(trimethoxysily		170	annual					
556-67-2	octamethylcyclotetrasiloxane		75	24 hr					
107-51-7	octamethyltrisiloxane		0.1	annual					
124-07-2	octanoic acid		33	annual					
26530-20-1	octylisothiazolone		2	annual					
68990-79-4	oils, vegetable, mixed with animal oil		0.1	annual					
112-80-1	oleic acid		242	annual					
93-83-4	oleoyl diethanolamine		3	annual					
8014-95-7	oleum	9,13	1	annual	120	1 hr			
90-43-7	o-phenylphenol						1.1	11	annual
2530-85-0	organofunctional silane		0.1	annual					
95-53-4	o-toluidine						0.07	0.7	annual
19666-30-9	oxadiazon						0.05	0.5	annual
144-62-7	oxalic acid		10	8 hr					
9063-06-3	oxirane, methyl-, polymer with oxira		0.1	annual					
90438-79-2	oxo-heptyl acetate		41	annual					

CAS No.	Chemical	note	1° ITSL (ug/m3)	ITSL Avg	2° ITSL (ug/m3)	ITSL Avg	IRSL (ug/m3)	SRSL (ug/m3)	IRSL Avg Time
88230-35-7	oxo-hexyl acetate		81	annual					
95-47-6	o-xylene	2	100	24 hr					
95-38-5	oyel hydroxyethylimidazoline		2	annual					
7440-05-3	palladium		0.1	annual					
8002-74-2	paraffin wax fume		20	8 hr					
98-56-6	p-chlorobenzotrifluoride		70	24 hr					
82-68-8	pentachloronitrobenzene		11	24 hr					
87-86-5	pentachlorophenol		20	24 hr			0.009	0.09	annual
363-72-4	pentafluorobenzene		10	annual					
109-66-0	pentane		17700	8 hr					
19430-93-4	perfluorobutylethylene		340	annual					
38436-16-7	perfluorobutylethylmethyldichlorosil		0.1	annual					
382-21-8	perfluoroisobutylene		0.8	1 hr					
93-59-4	peroxybenzoic acid		0.1	annual					
622-96-8	p-ethyl toluene		350	24 hr					
64742-14-9	petroleum distillates, acid treated	1	24	annual					
68476-86-8	petroleum gases, liquefied, sweetene		0.1	annual					
1194-02-1	p-fluorobenzonitrile		0.5	annual					
85-01-8	phenanthrene		0.1	annual					
10551-21-0	phenethyl alpha picolinium bromide		0.1	annual					
108-95-2	phenol		600	1 hr					
122-79-2	phenyl acetate		0.1	annual					
122-60-1	phenyl glycidyl ether						0.1	1	annual
617-94-7	phenyl isopropanol (2-phenyl-2-prop		4	annual					
120-07-0	phenyldiethanolamine		3	annual					
98-13-5	phenyltrichlorosilane		0.1	annual					
2996-92-1	phenyltrimethoxysilane		60	annual					
57-41-0	phenytoin						0.07	0.7	annual
75-44-5	phosgene		0.3	24 hr					
7803-51-2	phosphine		0.3	24 hr					
7664-38-2	phosphoric acid		10	24 hr					
7723-14-0	phosphorus (total)		1	8 hr					
1328-53-6	phthalocyanine pigment green		0.1	annual					
26952-20-5	picloram, isooctyl ester		0.1	annual					
80-56-8	pinene, alpha	18	1120	8 hr					
127-91-3	pinene, beta	18	1120	8 hr					

CAS No.	Chemical	note	1° ITSL (ug/m3)	ITSL Avg	2° ITSL (ug/m3)	ITSL Avg	IRSL (ug/m3)	SRSL (ug/m3)	IRSL Avg Time
2981-10-4	piperdinocyclohexene		2	annual					
110-89-4	piperidine		140	annual					
61477-94-9	pirmenol hydrochloride		3	annual					
99-87-6	p-isopropyltoluene		10	annual					
7440-06-4	platinum soluble salt		0.02	8 hr					
4221-98-1	p-mentha-1,5-diene		0.1	annual					
9016-87-9	polmeric methylene diphenyl diisocy		0.6	24 hr					
26780-96-1	poly(1,2-dihydro-2,2,4-trimethylquin		35	24 hr					
9003-13-8	polyalkylene glycol monobutyl ether/		160	annual					
68003-28-1	polyamide		0.1	annual					
1336-36-3	polychlorinated biphenyls	8					0.002	0.02	annual
- -0	polycyclic aromatic hydrocarbons (pa	5							annual
26062-79-3	polydimethyl diallyl ammonium chlo		1000	24 hr					
25322-68-3	polyethylene glycol		8	annual					
9004-74-4	polyethylene glycol methyl ether		13	annual					
27274-31-3	polyethylene glycol monoallyl ether		6	annual					
37251-67-5	polyethylene polypropylene glycol		0.1	annual					
35176-78-4	polyethylene terephthalate (uncoated)		0.1	annual					
68410-23-1	polyethylenepolyamine reaction prod		0.1	annual					
69029-39-6	polyglycol 26-2		0.1	annual					
- -0	polyglycol 26-3		16	annual					
24938-91-8	polyglycol 59-13		7	annual					
9002-92-0	polyoxyethylene lauryl ether		12	annual					
25322-69-4	polypropylene glycol		49	annual					
63148-65-2	polyvinyl butyral		0.1	annual					
9002-86-2	polyvinyl chloride		5	annual					
9003-39-8	polyvinyl pyrrolidone		4	annual					
9003-22-9	polyvinylchloride/polyvinylacetate		50	annual					
24937-79-9	polyvinylidene fluoride		0.1	annual					
9011-17-0	polyvinylidene fluoride		0.1	annual					
7789-23-3	potassium fluoride		76	8 hr					
1310-58-3	potassium hydroxide		20	1 hr					
7758-05-6	potassium iodate		1	annual					
12136-45-7	potassium oxide		0.1	annual					
7722-64-7	potassium permanganate		0.1	24 hr					
12037-29-5	praseodymium oxide		0.1	annual					

CAS No.	Chemical	note	1° ITSL (ug/m3)	ITSL Avg	2° ITSL (ug/m3)	ITSL Avg	IRSL (ug/m3)	SRSL (ug/m3)	IRSL Avg Time
57-83-0	progesterone		0.1	annual					
3986-89-8	progesterone 4		0.1	annual					
98516-30-4	propanol, 1(or 2) ethoxy, acetate isop		0.1	annual					
123-38-6	propionaldehyde		8	24 hr					
79-09-4	propionic acid		300	8 hr					
106-94-5	propyl bromide		49	annual					
106-36-5	propyl propionate		84	annual					
107-10-8	propylamine		112	annual					
103-65-1	propylbenzene		20	annual					
115-07-1	propylene		1500	24 hr					
108-32-7	propylene carbonate		700	24 hr					
78-87-5	propylene dichloride		4	24 hr					
57-55-6	propylene glycol		6000	annual					
19089-47-5	propylene glycol monoethyl ether (al		23	annual					
1569-02-4	propylene glycol monoethyl ether (be		240	annual					
52125-53-8	propylene glycol monoethyl ether (mi		23	annual					
1320-67-8	propylene glycol monomethyl ether		2000	24 hr					
107-98-2	propylene glycol monomethyl ether		2000	24 hr					
108-65-6	propylene glycol monomethyl ether a		3000	24 hr					
41593-38-8	propylene glycol monophenyl ether		0.1	annual					
5131-66-8	propylene glycol n-butyl ether (alpha	23	77	annual					
15821-83-7	propylene glycol n-butyl ether (beta i	23	77	annual					
770-35-4	propylene glycol phenyl ether		8	annual					
57018-52-7	propylene glycol tert-butyl ether		329	annual					
29387-86-8	propylene glycol, n-butyl ether (mixe	23	77	annual					
75-56-9	propylene oxide		30	24 hr			0.3	3	annual
1067-25-0	propyltrimethoxysilane		1000	annual					
104-87-0	p-tolualdehyde	20	440	24 hr					
104-15-4	p-toluenesulfonic acid		0.1	annual					
6192-52-5	p-toluenesulfonic acid monohydrate		0.1	annual					
106-49-0	p-toluidine						0.03	0.3	annual
- -0	purafect 4000g	4	0.02	1 hr					
106-42-3	p-xylene	2	100	24 hr					
129-00-0	pyrene		100	24 hr					
110-86-1	pyridine		3.5	24 hr					
84632-65-5	pyrrolo[3,4-c]pyrrole-1,4-dione,3,6-b		0.1	annual					

CAS No.	Chemical	note	1° ITSL (ug/m3)	ITSL Avg	2° ITSL (ug/m3)	ITSL Avg	IRSL (ug/m3)	SRSL (ug/m3)	IRSL Avg Time
1047-16-1	quinacridone pigment		0.1	annual					
82586-54-7	quinapril step 8		2	annual					
91-22-5	quinoline						0.001	0.01	annual
64742-62-7	residual oils (petroleum) solvent-dew	11	50	8 hr					
64741-56-6	residues, (petroleum), vacuum		16	annual					
108-46-3	resorcinol		27	24 hr					
1314-28-9	rhenium oxide		0.1	annual					
90-02-8	salicylaldehyde		30	annual					
106917-31-1	sanduvor 3068 liquid		52	annual					
3081-01-4	santoflex 14		0.1	annual					
78-92-2	sec-butanol		3000	8 hr					
13952-84-6	sec-butylamine		5	annual					
135-98-8	sec-butylbenzene		6	annual					
7782-49-2	selenium		2	8 hr					
112926-00-8	silica - precipitated		100	8 hr					
69012-64-2	silica amorphous fume		20	8 hr					
112945-52-5	silica, amorphous, crystalline free, fu		20	8 hr					
10026-04-7	silicon tetrachloride		1100	annual					
7783-61-1	silicon tetrafluoride		0.2	annual					
7803-62-5	silicon tetrahydride		30	24 hr					
67762-90-7	siloxanes and silicones(silica filled p		0.1	annual					
7440-22-4	silver - soluble		0.1	8 hr					
15096-52-3	sodium aluminum fluoride		270	8 hr					
7631-90-5	sodium bisulfite		50	8 hr					
7647-15-6	sodium bromide		140	24 hr					
630-93-3	sodium dilantin						0.04	0.4	annual
128-04-1	sodium dimethyl dithiocarbamate		0.1	annual					
7681-49-4	sodium fluoride		60	8 hr					
31138-65-5	sodium glucoheptonate		0.1	annual					
13007-85-7	sodium glucoheptonate		0.1	annual					
1310-73-2	sodium hydroxide		20	1 hr					
7681-52-9	sodium hypochlorite		16	8 hr					
10039-56-2	sodium hypophosphite monohydrate		0.1	annual					
7681-82-5	sodium iodide		0.1	annual					
14960-06-6	sodium lauriminodipropionate		0.1	annual					
124-41-4	sodium methylate		0.1	annual					

CAS No.	Chemical	note	1° ITSL (ug/m3)	ITSL Avg	2° ITSL (ug/m3)	ITSL Avg	IRSL (ug/m3)	SRSL (ug/m3)	IRSL Avg Time
7631-95-0	sodium molybdate		5	8 hr					
12401-86-4	sodium monoxide		0.1	annual					
7632-00-0	sodium nitrite		10	annual					
7632-04-4	sodium perborate		8	annual					
68608-26-4	sodium petroleum sulfonate		0.1	annual					
16893-85-9	sodium silicofluoride		250	8 hr					
67701-11-5	sodium soap 900602		6	annual					
67701-10-4	sodium soap 903923		6	annual					
7757-83-7	sodium sulfite		0.028	annual					
1300-72-7	sodium xylenesulfonate		0.1	annual					
109265-71-6	solsperse 12000		0.1	annual					
86753-78-8	solsperse 5000		0.1	annual					
68458-91-3	solvar & Iv 820		0.1	annual					
8005-02-5	solvent black		0.1	annual					
64742-96-7	solvent naphtha (petroleum) heavy ali		24	annual					
64742-89-8	solvent naphtha light aliphatic	1	3500	8 hr					
64742-88-7	solvent naphtha medium aliphatic	1	3500	8 hr					
64741-88-4	solvent refined heavy paraffnic distill	11	50	8 hr					
67784-80-9	soybean oil, methyl esters		15	annual					
68071-85-2	spenkel f34		0.1	annual					
- -0	sponto 11		0.1	annual					
- -0	sponto 723		0.1	annual					
30705-14-7	sr 1153		0.1	annual					
1912-83-0	stannous octoate		1	8 hr					
57-11-4	stearic acid		100	8 hr					
7803-52-3	stibine		5	8 hr					
8052-41-3	stoddard solvent	1	3500	8 hr					
64741-44-2	straight run middle distillate		36	annual					
7440-24-6	strontium		2000	24 hr					
100-42-5	styrene		1000	24 hr			1.7	17	annual
9003-55-8	styrene-butadiene polymer		0.1	annual					
505-48-6	suberic acid		17	annual					
110-61-2	succinonitrile		0.8	annual					
5329-14-6	sulfamic acid		4	annual					
7704-34-9	sulfur (elemental)		30	8 hr					
7446-11-9	sulfur trioxide	9,13	1	annual	120	1 hr			

CAS No.	Chemical	note	1° ITSL (ug/m3)	ITSL Avg	2° ITSL (ug/m3)	ITSL Avg	IRSL (ug/m3)	SRSL (ug/m3)	IRSL Avg Time
7664-93-9	sulfuric acid	9,13	1	annual	120	1 hr			
68516-16-5	sulfuric acid c6-10 alkyl esters		0.1	annual					
64741-86-2	sweetened middle distillate	1	2	annual					
14807-96-6	talc						0.8	8	annual
61790-33-8	tallow alkylamines		0.1	annual					
75-65-0	t-butanol	15	1890	24 hr					
107-71-1	t-butyl peroxyacetate		0.06	annual					
75-64-9	t-butylamine		60	annual					
4620-70-6	t-butylaminoethanol		5	annual					
98-29-3	t-butylcatechol		9	annual					
2160-93-2	t-butyl-diethanolamine		9	annual					
3006-82-4	t-butylperoxy-2-ethylhexanoate		0.1	annual					
9036-19-5	t-det c08		0.1	annual					
- -0	t-det c-40		0.1	annual					
9014-92-0	t-det dd-14		0.1	annual					
68131-40-8	tergitol 15-s-3		290	24 hr					
540-88-5	tert-butyl acetate	15	9500	8 hr					
98-06-6	tert-butylbenzene		10	annual					
1333-13-7	tert-butyl-m-cresol		0.1	annual					
994-05-8	tertiary amyl methyl ether		62	24 hr					
2157-45-1	tetra-2-methoxyethoxy-silane		0.1	annual					
136-47-0	tetracaine hydrochloride		0.3	annual					
20536-16-7	tetrachlorodisilane		0.1	annual					
127-18-4	tetrachloroethylene		40	24 hr			4	40	annual
10469-09-7	tetrachloropicolinic acid		21	annual					
116-14-3	tetrafluoroethylene						0.4	4	annual
109-99-9	tetrahydrofuran		18	24 hr			0.5	5	annual
97-99-4	tetrahydrofuryl methanol		52	annual					
9014-85-1	tetramethyl decyndiol		0.1	annual					
632-22-4	tetramethyl urea	13	0.8	annual	230	24 hr			
22407-51-8	tetramethylchlorovinyl-disiloxane		0.1	annual					
3277-26-7	tetramethyldihydrogendisiloxane		120	annual					
7691-02-3	tetramethyldivinyl-disila		30	annual					
2627-95-4	tetramethyldivinyl-disiloxane		16	annual					
75-76-3	tetramethylsilane		1300	annual					
509-14-8	tetranitromethane		0.4	8 hr			6.6E-05	0.00066	annual

CAS No.	Chemical	note	1° ITSL (ug/m3)	ITSL Avg	2° ITSL (ug/m3)	ITSL Avg	IRSL (ug/m3)	SRSL (ug/m3)	IRSL Avg Time
3982-82-9	tetraphenyldimethyl-2-dimethyltrisilo		0.1	annual					
3390-61-2	tetraphenyldimethyl-2-phenylmethylt		0.1	annual					
807-28-3	tetraphenyldimethyldisiloxane		0.1	annual					
6904-66-1	tetraphenylhexamethyltetrasiloxane		0.1	annual					
25265-77-4	texanol		55	annual					
1314-32-5	thallic oxide		0.2	24 hr					
7440-28-0	thallium		0.2	24 hr					
64485-82-1	thiazole ester		17	annual					
137-26-8	thiram		17.5	24 hr					
7440-31-5	tin		20	8 hr					
1643-19-2	t-n-butyl ammonium bromide		0.1	annual					
1156-19-0	tolazamide		17	annual					
108-88-3	toluene		5000	24 hr					
26471-62-5	toluene diisocyanate		0.07	24 hr			0.03	0.3	annual
8001-35-2	toxaphene						0.003	0.03	annual
156-60-5	trans-1-2-dichloroethylene		70	24 hr					
102-76-1	triacetin		20	annual					
28961-43-5	triacrylate ester		0.1	annual					
621-77-2	triethylamine		0.1	annual					
126-73-8	tributyl phosphate		22	8 hr					
102-82-9	tributylamine		7	annual					
79-01-6	trichloroethylene		2	annual	10000	24 hr	0.2	2	annual
75-69-4	trichlorofluoromethane		56200	1 hr					
10025-78-2	trichlorosilane		8	annual					
68526-86-3	tridecanol		2	annual					
102-71-6	triethanolamine		50	8 hr					
77-93-0	triethyl citrate		290	annual					
121-44-8	triethylamine		7	24 hr					
- -0	triethylammonium suleptanate		17	annual					
1559-37-1	triethylene glycol mono-2-ethyhexyl		0.1	annual					
112-50-5	triethylene glycol monoethyl ether		100	annual					
112-24-3	triethylene tetramine		8	annual					
280-57-9	triethylenediamine		6	annual					
76-05-1	trifluoroacetic acid		8	annual					
358-67-8	trifluoropropylmethyl dimethoxysilan		100	annual					
130014-38-9	trifluoropropylsilsesquioxane, dimeth		0.1	annual					

CAS No.	Chemical	note	1° ITSL (ug/m3)	ITSL Avg	2° ITSL (ug/m3)	ITSL Avg	IRSL (ug/m3)	SRSL (ug/m3)	IRSL Avg Time
592-09-6	trifluoropropyltrichlorosilane		0.1	annual					
122-20-3	triisopropanolamine (tipa)		19	annual					
121-43-7	trimethoxyborine		18	annual					
1185-55-3	trimethoxymethylsilane		80	annual					
3236-53-1	trimethyl hexamethylenediamine		0.1	annual					
75-50-3	trimethylamine		120	8 hr					
25551-13-7	trimethylbenzenes (mixed isomers)	14	50	annual	1200	8 hr			
75-77-4	trimethylchlorosilane		6	annual					
1445-45-0	trimethyl-o-acetate		24	annual					
3290-92-4	trimethylolpropane trimethacrylate		20	annual					
149-73-5	trimethylorthoformate		800	annual					
993-07-7	trimethylsilane		340	annual					
1066-40-6	trimethylsilanol		65	annual					
76-83-5	triphenyl methyl chloride		17	annual					
102-69-2	tripropylamine		0.2	annual					
42978-66-5	tripropylene glycol diacrylate		22	annual					
25498-49-1	tripropylene glycol methyl ether		11	annual					
20324-33-8	tripropylene glycol methyl ether, dow		10	annual					
55934-93-5	tripropylene glycol n-butyl ether		116	24 hr					
126-72-7	tris(2,3-dibromopropyl) phosphate						0.002	0.02	annual
9002-93-1	triton x100		0.15	annual					
88851-61-0	trospetomycin sulfate		0.1	annual					
51811-38-2	tryfac 5556		0.1	annual					
12070-12-1	tungsten carbide	6	50	8 hr					
8006-64-2	turpentine	18	1120	8 hr					
110-62-3	valeraldehyde		1760	8 hr					
3153-26-2	vanadium oxide bis (2,4-pentanedion		0.1	annual					
1314-62-1	vanadium pentoxide		0.5	1 hr					
68990-52-3	vegetable oil fatty acid methyl ester		0.1	annual					
108-05-4	vinyl acetate		200	24 hr					
593-60-2	vinyl bromide	3	3	24 hr					
75-01-4	vinyl chloride		100	24 hr			0.11	1.1	annual
5906-75-2	vinyl dimethylsilanol		0.1	annual					
25013-15-4	vinyl toluene		6	24 hr					
30030-25-2	vinylbenzylchloride		2	annual					
872-36-6	vinylene carbonate		0.1	annual					

CAS No.	Chemical	note	1° ITSL (ug/m3)	ITSL Avg	2° ITSL (ug/m3)	ITSL Avg	IRSL (ug/m3)	SRSL (ug/m3)	IRSL Avg Time
75-35-4	vinylidene chloride (1,1-dichloroethy		200	24 hr					
75-38-7	vinylidene fluoride		30	24 hr					
5507-44-8	vinylmethyldiethoxysilane		0.1	annual					
75-94-5	vinyltrichlorosilane		7	annual					
2768-02-7	vinyltrimethoxysilane		10	annual					
8032-32-4	vm & p naphtha	1	3500	8 hr					
8042-47-5	white mineral oil	11	50	8 hr					
- -0	witconol al 69-66		0.1	annual					
8002-09-3	yarmor pine oil		10	annual					
7440-65-5	yttrium		10	8 hr					
1314-13-2	zinc oxide		50	8 hr					
557-05-1	zinc stearate		50	8 hr					

**SCREENING LEVEL FOOTNOTES**

Note #	Definition
1.	The combined ambient impact of all petroleum hydrocarbon materials with Note #1 cannot exceed the ITSL of 3500 µg/m <sup>3</sup> (8-hour average). If a chemical with this footnote has an ITSL other than 3,500 µg/m <sup>3</sup> , 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/m <sup>3</sup> (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/m <sup>3</sup> (1-hour average).
5.	The seven carcinogenic polycyclic aromatic hydrocarbons (PAHs) should be evaluated additively, utilizing the comparative potency estimates approved by the AQD Scientific Advisory Panel (July 20, 1995), compared to the screening level for benzo(a)pyrene (CAS # 50-32-8). See the Scientific Advisory Panel (July 20, 1995) memo at the Air Toxics Screening Levels – Procedure for the carcinogenic PAH's of footnote 5.
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/m <sup>3</sup> 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/m <sup>3</sup> , based on an annual averaging time.
7.	The former ITSL of 0.3 µg/m <sup>3</sup> (24 hour average) only addressed exposure from direct inhalation. Due to the highly bioaccumulative nature of mercury, and potential exposure through other routes of exposure, emissions of mercury will be evaluated on a case-by-case basis. Because of the expected increased exposure via these indirect pathways, mercury emissions do not qualify for exemption from a permit to install under Rule 290.
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/m <sup>3</sup> (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/m <sup>3</sup> (8-hour average). If a chemical with this footnote has an ITSL other than 50 µg/m <sup>3</sup> , 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/m <sup>3</sup> (annual average) or SRSL of 0.1 µg/m <sup>3</sup> (annual average).
13.	Acrolein (107-02-8) has two ITSLs with different averaging times: 0.02 µg/m <sup>3</sup> (annual average) and 5 µg/m <sup>3</sup> (one-hour average). Ambient impacts cannot exceed either ITSL.
14.	The combined ambient impact of all trimethylbenzene isomers cannot exceed the ITSL of 220 µg/m <sup>3</sup> (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/m <sup>3</sup> ), to the units of µg/m <sup>3</sup> . 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 (α-pinene, β-pinene, and d-carene) listed with Note #18 cannot exceed the ITSL of 1120 µg/m <sup>3</sup> (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/m <sup>3</sup> 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/m <sup>3</sup> (8-hour average).
20.	The combined ambient impact of meta- and para-tolualdehyde cannot exceed the ITSL of 440 µg/m <sup>3</sup> (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/m <sup>3</sup> (annual average).
24.	The combined ambient impact of all chemicals with footnote #24 cannot exceed the ITSL of 93 µg/m <sup>3</sup> (annual average).
25.	The combined ambient impact of all chemicals with footnote #25 cannot exceed the ITSL of 5600 µg/m <sup>3</sup> (24-hour average)